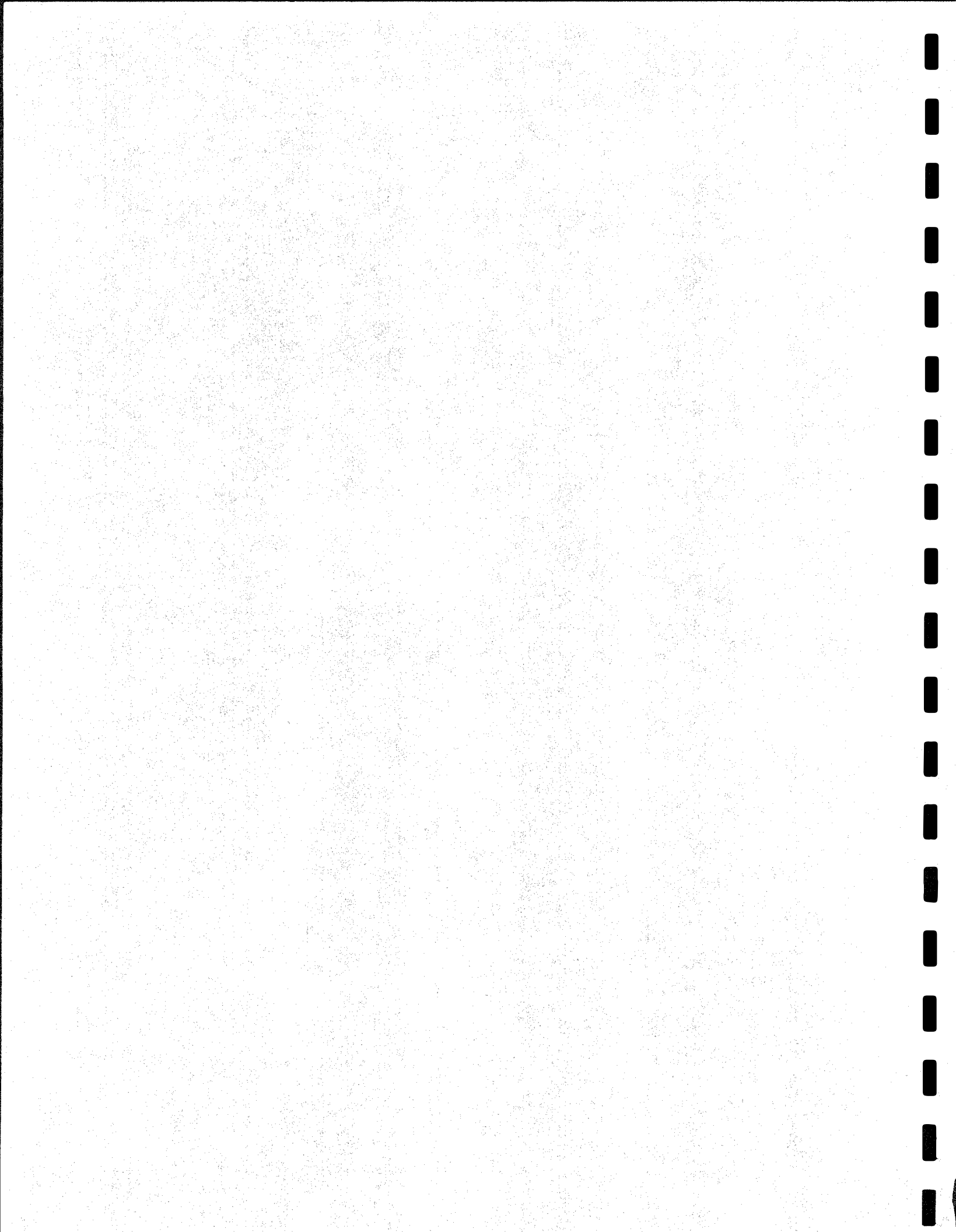


Class 21—Electrical Machines

**CLASS 21
ELECTRICAL MACHINES**

**INCLUDES: MOTORS, GENERATORS, STARTERS,
MOTOR-GENERATOR SETS,
ROTARY CONVERTERS
DYNAMOTORS**

**NOTE: COMBINED ENGINE DRIVEN GENERATOR
SETS COVERED BY CLASS 73.**



Class 21—Electrical Machines

3.21-1

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBA 21000	KU-1		CAE 21008	KD-1		CG-21016	TBA-1a	
DYNAMOTOR			STARTER			ROTOR CONVERTER & FAN		
			7-1/2 H.P. - 220 VOLTS			MOTOR. INPUT: 230 VOLTS D.C. OUTPUT: 75 V.A. AT 715 LINE VOLTAGE - 30 CYCLES.		
12/21/31	FO-1		12/31/31			6/16/32		N-5011386
NOV. 41			NOV. 41			NOV. 41		
CG-21001	TBB	XA-8138	CAE 21009	KE-2		CG-21017	TBA-1	
STARTER			STARTER			MOTOR		
6 H.P. - 115 VOLTS - 64 AMPS.			4 H.P. - 220 VOLTS			9 H.P. - 1800 R.P.M. - 220 VOLTS, 3 PHASE. 60 CYCLES.		
* DL-4386698-G-2/K-4577229/K-4377230.			12/31/31			6/16/32	5K324-B905	
12/28/31 CR-5230		* SEE ABOVE	NOV. 41			NOV. 41		
NOV. 41			CG-21002	TBB	XA-8138	CG-21018	TBA-1	
			STARTER			GENERATOR - PLATE		
						3.8 KW - 1800 R.P.M. - 3000/1500 VOLTS		
* DL-438672-G-2/K-3614266 PT.1/K-4908897			* DL-438672-G-2/K-3614266 PT.1/K-4908897			* DL-438672-G-2/K-3614266 PT.1/K-4908897		
12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
CG-21003	TBB	XA-8138	CG-21010	* SEE BELOW		CG-21019	TBA-1	
STARTER			STARTER			GENERATOR - BIAS		
			8 H.P. - 190/310 V. D.C. #26A600			0.3 KW - 1800 R.P.M. - 500 VOLTS.		
* DL-4386611-G-2/K-3614269-3/K-4908895.			* DL-4386611-G-2/K-3614269-3/K-4908895.			* DL-4386611-G-2/K-3614269-3/K-4908895.		
12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
CG-21004	TBB	XA-8138	CG-21011	TBB		CG-21020	TBA-1	
STARTER			EXCITER			GENERATOR - EXCITER & FILAMENT. 1/2 KW - 1800 R.P.M. - 230 VOLTS WITH SLIP RINGS, TO DELIVER 164 VOLTS - 3.05 AMPS.		
			1 KW.					
* DL-4386610-G-2/K-2670523-5.			* DL-4386610-G-2/K-2670523-5.			* DL-4386610-G-2/K-2670523-5.		
12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
CG-21005	TBB	XA-8138	CG-21012	TBB		CG-21021	TBA-1a	
STARTER			EXCITER			MOTOR		
			1 KW.			9 H.P. - 1500 R.P.M. - 440 VOLTS, 3 PHASE. 25 CYCLES.		
* DL-4386610-G-3/K-2670523-5.			* DL-4386610-G-3/K-2670523-5.			* DL-4386610-G-3/K-2670523-5.		
12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE	12/28/31 CR-5230-87		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
CG-21006	TBC	XA-8139	CG-21014	TBA-1	XA-8268	CG-21022	TBA-1a	
EXCITER			STARTER - AUTOMATIC			GENERATOR - PLATE		
			230 VOLTS D.C. - 8 H.P. - 31 AMPS.			3.8 KW - 1500 R.P.M. - 3000/1500 VOLTS. (MODEL 49A699).		
* W-7350403-G-1/P-7760182.			* W-7350403-G-1/P-7760182.			* W-7350403-G-1/P-7760182.		
12/29/31 RT-43A		* SEE ABOVE	12/29/31 RT-43A		* SEE ABOVE	12/29/31 RT-43A		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
CG-21007	TBC	XA-8139	CG-21015	GF		CG-21023	TBA-1a	
STARTER			DYNAMOTOR - FILTER UNIT			GENERATOR - BIAS		
220-VOLT, 3-PHASE, 60 CYCLE.			INPUT: 12 VOLTS (WITH FILTER) OUTPUT: 210 VOLTS.			0.3 K.W. - 1500 R.P.M. - 500 VOLTS WITH SLIP RINGS TO DELIVER 164 VOLTS - 3.05 AMPS.		
* DL-3656846-G-2/K-3808700.			* DL-3656846-G-2/K-3808700.			* DL-3656846-G-2/K-3808700.		
12/29/31 CR-7051-K5		* SEE ABOVE	12/29/31 CR-7051-K5		* SEE ABOVE	12/29/31 CR-7051-K5		* SEE ABOVE
NOV. 41			NOV. 41			NOV. 41		
			5/11/52			6/16/32	5B204B995	
			NOV. 41			NOV. 41		

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Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21024	TBA-1A		CG-21032	TAQ-3		CAY 21040	TBF	CAY-T-112
GENERATOR - EXCITER & FILAMENT. 1/2 K.W. - 1500 R.P.M. - 230 VOLTS.			EXCITER 150 WATT - 230 VOLT D.C. - 2000 R.P.M.			MOTOR - FAN 160 VOLT - 60 CYCLE - TYPE CF - FRAME X-85Y.		
6/16/32	5BT129A1		8/29/32	5B202B992	M-4831943 (3809)	8/19/32	ESY-202961	14-C-561
NOV. 41			NOV. 41			NOV. 41		
CBP 21025	RAA - RAB	CBP-R-116	CG-21033	TAQ-3		CG-21041	TAQ-3	
MOTOR 7-1/2 H.P. - 1800 R.P.M. - 110 TO 120 VOLTS D.C. - 58 AMPS.			GENERATOR - PLATE 5.625 K.W. - 2000 R.P.M. - 2250/1125 VOLTS. COMPOUND WOUND - SEPARATELY EXCITED AT 230 VOLTS.			STARTER 10 H.P. - 230 VOLT D.C. (SAME AS CG-3849 EXCEPT MAIN LINE FUSES HAVE BEEN ADDED.)		
8/8/32	U42		8/29/32	MODEL 49A696		8/27/32	CR-523087	DL-4381161-G-2
NOV. 41			NOV. 41			NOV. 41		
CBP 21026	RAA - RAB	CBP-R-116	CG-21034	TAQ-3		CAE 21042	TAJ-3	
MOTOR 7-1/2 H.P. - 1800 R.P.M. - 220 TO 240 VOLTS D.C.			MOTOR 10 H.P. - 2000 R.P.M. - 230 VOLTS D.C.			STARTER 115 VOLT - HEAVY DUTY - DRIP PROOF - NON-REVERSE SERIES RELAY - TWO-STEP TYPE.		
8/8/32	U42		8/29/32	MODEL 55A529		9/7/32		
NOV. 41			NOV. 41			NOV. 41		
CBP 21027	RAA - RAB	CBP-R-116	CAY 21035	TBF	CAY-T-112	CAE 21043	TAJ-3	
GENERATOR 110 VOLT - 60 CYCLE - SINGLE PHASE - 115 VOLT SERIES FIELD - 1800 R.P.M. - WITH 115 VOLT EXCITER. 5KVA			MOTOR 3-1/2 H.P. - 1750 R.P.M. - 230 VOLTS D.C. - 13.5 AMPS. 40°C. - 58 CYCLES SHUNT WOUND - 250 WATTS A.C. FRAME XF-225.			STARTER 230 VOLT - HEAVY DUTY - DRIP-PROOF NON-REVERSE SERIES RELAY - TWO-STEP TYPE.		
8/8/32	U43		8/19/32	SK-L-284371-A		9/7/32		
NOV. 41			NOV. 41			NOV. 41		
CBP 21028	RAA - RAB	CBP-R-116	CAY 21036	TBF	CAY-T-112	CC-21044	TAJ-3	
GENERATOR 110 VOLT - 60 CYCLE - SINGLE PHASE - 230 VOLT SERIES FIELD - 1800 R.P.M. - WITH 115 VOLT EXCITER.			GENERATOR 0.163 KW CONTINUOUS LOAD (KEY LOCKED) 250/1250 VOLTS .15/.10 AMPS. - 1750 RPM 230 VOLT FIELD - COMPOUND WOUND - FRAME X-185.			MOTOR-GENERATOR (SINGLE UNIT). MOTOR: 115 VOLTS - 3.5 K.W. GENERATOR: 1.85 K.W. - 3000 VOLTS D.C. SLIP RINGS FOR 175 V.A. AT 80 CYCLES - 75% LINE VOLTAGE.		
8/8/32	U43		8/19/32	FK-L-284378-A		9/7/32		
NOV. 41			NOV. 41			NOV. 41		
CBP 21029	RAA - RAB	CBP-R-116	CAY 21037	TBF	CAY-T-112	CC-21045	TAJ-3	
REGULATOR - SPEED ROTARY TYPE FOR USE WITH TYPE 21025 AND 21026 MOTORS. REPLACEMENT CAPACITOR: AERVOX #3403 (.25/.25 MFD. - 600 V.)			GENERATOR 1.8 KW - 2000/3000 VOLTS - 0.375/0.35 AMPS. - 40°C. - 1750 R.P.M. - FIELD 230 VOLTS - 0.65 AMPS. FRAME X-220 - TYPE SK - COMPOUND WOUND.			MOTOR-GENERATOR (SINGLE UNIT). MOTOR: 230 VOLT - 3.5 K.W. GENERATOR: 1.85 K.W. - 3000 VOLTS D.C. SLIP RINGS FOR 175 V.A. AT 80 CYCLES - 75% LINE VOLTAGE.		
8/8/32	U43		8/19/32	L-284577-A		9/7/32		
NOV. 41			NOV. 41			NOV. 41		
CAO 21030	RAA - RAB	CBP-R-116	CAY 21038	TBF	CAY-T-112	CG-21046	KE-3	
CONTROLLER 110 TO 120 VOLT D.C. FOR TYPE 21025 MOTOR.			STARTER 3-1/2 H.P. - 230 VOLTS D.C. (42A852)			MOTOR-GENERATOR MOTOR: 5 H.P. - SLIP RING INDUCTION 3150 R.P.M. GENERATOR "A": 115 VOLTS D.C. - 2 K.W. GENERATOR "B": 115 VOLTS 1050 CYCLES - 1 K.W.		
8/8/32	U43		8/19/32	37A970		9/27/32		
NOV. 41			NOV. 41			NOV. 41		
CAO 21031	RAA - RAB	CBP-R-116	CAY 21039	TBF	CAY-T-112	CAE 21047	KE-3	
CONTROLLER 220 TO 240 VOLTS D.C. FOR TYPE 21026 MOTOR.			DYNAMOTOR 2500 R.P.M. - 40°C. - OPEN SHUNT WOUND; INPUT: 230 VOLTS D.C. - 0.35 AMPS. OUTPUT: 11 VOLTS D.C. - 3.25 AMPS. (378786)			STARTER FOR REPLACEMENT USE CAE-24056.		
8/8/32	U43		8/19/32	ESY-202957		9/27/32		
NOV. 41			NOV. 41			NOV. 41		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

Class 21—Electrical Machines

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAE 21048	KE-3		CC-21056	TAU-1	XA-8443	CC-21064	* SEE BELOW	
STARTER - REMOTE CONTROL FOR TYPE 21046 MOTOR-GENERATOR.			GENERATOR - PLATE 3.375 K.W. - 2250/1125 VOLTS - 115 VOLTS EXCITATION - 1800 R.P.M. - SHUNT.			STARTER 125 VOLTS D.C. - 8.5 H.P.		
9/27/32			12/7/33	D47HX		* TU - NOS-30071.		
NOV. 41			NOV. 41			2/25/33		
NOV. 41			NOV. 41			NOV. 41		
CBN 21049	KE-3		CC-21057	TAU-1	XA-8443	CC-21065	TBA-1a	
REGULATOR - FREQUENCY.			GENERATOR - BIAS 0.120 K.W. - 400 VOLTS - 0.3 AMPS. 115 VOLTS EXCITATION - 1800 R.P.M. - SHUNT.			ROTARY CONVERTER 75 VOLTAMPERES - 1.0 POWER FACTOR - 3600 R.P.M. 230 V. D.C./160 V. A.C. - 60 CYCLES - SINGLE PHASE. FRAME #54.		
9/27/32			12/7/33	D13NX		3/11/33	TYPE H	K-4256043
NOV. 41			NOV. 41			NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CAY 21050	TAB-2		CC-21058	TAU-1	XA-8443	CEA 21066	GF & RU-2	
STARTER 10 H.P. - 440 VOLT - 3 PHASE - 25 CYCLE 2-STEP TYPE (TO REPLACE TYPE CAY-3451 AT DARIEN, C.Z.)			GENERATOR - PLATE 3.375 K.W. - 2250/1125 VOLTS - 230 VOLTS EXCITATION - 1800 R.P.M. - SHUNT.			DYNAMOTOR INPUT: 12 VOLTS D.C. OUTPUT: 210 VOLTS D.C.		
10/13/32	11-400A6	11-A-817	12/7/33	D47HX		5/1/33		
NOV. 41		11-D-665	NOV. 41			NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CAY 21051	NOS-28513	XA-8420	CC-21059	TAU-1	XA-8443	CC-21067	T8G	
DYNAMOTOR - AIRCRAFT 12 WATTS - 200 VOLTS - 60 M.A. WEIGHT 6 LBS. - FRAME 34A.			GENERATOR - BIAS 0.120 K.W. - 400 VOLTS - 0.3 AMPS. 230 VOLTS EXCITATION - 1800 R.P.M.			MOTOR MOTOR: 230 VOLTS D.C. - 3 H.P. - 2400 R.P.M. 230 VOLT EXCITATION WINDING; SHUNT WITH SPEED REGULATOR.		
10/17/32	ADS		12/7/33	D13NX		5/9/33	D-225X	N-14387
NOV. 41			NOV. 41			NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CC-21052	TAU-1	XA-8443	21060	GH & G1	RE13A455	CC-21068	T8G	
MOTOR 6.5 H.P. - 1750 R.P.M. - 115 VOLTS D.C. SLIP RINGS: 4 AMPS. - 60 CYCLES - 80 VOLTS.			ALTERNATOR - AIRCRAFT 800 CYCLES - 600 WATTS, SLIPPING CLUTCH TYPE.			MOTOR MOTOR: 115 VOLTS D.C. - 3 H.P. - 2400 R.P.M. 115 VOLT EXCITATION WINDING; SHUNT WITH SPEED REGULATOR.		
11/21/32	D45RNX	D-1621L-83	(4178)			5/9/33	D-225X	N-14387
NOV. 41			NOV. 41			NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CAE 21053	TAU-1	XA-8443	CC-21061	* SEE BELOW		CAO 21069	T8G	
STARTER 6.5 H.P. - 115 VOLTS D.C. ONE STEP.			MOTOR 125 VOLTS D.C. - 8.5 H.P. - 2400 R.P.M. SHUNT WOUND.			STARTER 230 VOLTS D.C. - 3 H.P. DYNAMIC BRAKE.		
11/21/32	A643883A1	D-1621L-81	* TU/ NOS-30071.			5/9/33		M-409517
NOV. 41			2/25/33	MODEL 28A792		NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CC-21054	TAU-1	XA-8443	CC-21062	* SEE BELOW		CAO 21069-A	T8L	CRV-T-134
MOTOR 6.5 H.P. - 1800 R.P.M. - 230 VOLTS D.C. SLIP RINGS: 2 AMPS. - 60 CYCLES - 160 VOLTS.			GENERATOR - PLATE 4.6 K.W. - 2000 VOLTS - 2400 R.P.M. - SHUNT WOUND.			STARTER 230 VOLTS - 3-1/2 H.P. DYNAMIC BRAKE (230-VOLT COIL) IN ACCORDANCE WITH 17M9C		
12/7/32	D45RNX	D-1621L-83	* TU, NOS-30071.			4/25/35		CAO:12199.4
NOV. 41			2/25/33	MODEL 48A890		NOV. 41		
NOV. 41			NOV. 41			NOV. 41		
CAE 21055	TAU-1	XA-8443	CC-21063	* SEE BELOW		CAO 21070	T8G	
STARTER 6.5 H.P. - 230 VOLTS D.C. ONE STEP.			EXCITER 125 VOLTS D.C. - 150 WATTS.			STARTER 115 VOLTS D.C. - 3 H.P. DYNAMIC BRAKE.		
12/7/32	A643883C6		* TU - NOS-30071.	(3197)(3809)(3812)		5/9/33		M-409517
NOV. 41			2/25/33	SD 1248		NOV. 41		
NOV. 41			NOV. 41			NOV. 41		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAO 21070-A	TBL	CRY-T-134 SHEET 34	CAY 21078	TBF	CAY-T-112	CAO 21086	TBF	CAY-T-112
STARTER			GENERATOR - PLATE			STARTER		
115 VOLTS - 3-1/2 H.P. DYNAMIC BRAKE.			2000/3000 VOLTS - 0.375/0.35 AMP. - 1450			440 VOLTS - 3 PHASE - 25 CYCLES - 5 H.P.		
IN ACCORDANCE WITH 17H9C.			R.P.M. 115 VOLTS EXCITATION - FRAME					
			X220-SK: WAF-14C482.					
10/4/35	CAO:12199.4		5/16/33	11J30		6/12/33	11-200-HD-1	863594
NOV. 41			NOV. 41			NOV. 41		
CAY 21071	TBF	CAY-T-112	CAY 21079	TBF	CAY-T-112	CAY 21087	TAY-2	CAY-T-113
GENERATOR - PLATE			GENERATOR - BIAS			GENERATOR		
2000/3000 VOLTS - 0.375/.35 AMPS. - 1750			250/1250 VOLTS - 0.15/0.1 AMP. - 1450			205 WATTS - 500/10.5 VOLTS - 3400 R.P.M.		
R.P.M. 115 VOLTS EXCITATION - FRAME			R.P.M. 115 VOLTS EXCITATION - FRAME			FOR USE WITH TYPE 18000 GAS ENGINE OR		
X-220-SK: WAF-14C482.			X185-SK: WAF-9C464.			TYPE 10006 HAND DRIVE UNIT. 22 LBS.		
5/16/33	11J30		5/16/33	22A84		7/24/33		
NOV. 41			NOV. 41			NOV. 41		
CAY 21072	TBF	CAY-T-112	CAY 21080	TBF	CAY-T-112	CAO 21088	TBH	
GENERATOR - BIAS.			EXCITER			STARTER		
250/1250 VOLTS - 0.15/0.1 AMP. -1750			250 WATTS - 115 VOLTS D.C./250 WATTS			4 H.P. - 230 VOLTS D.C. TWO STEP		
R.P.M. 115 VOLTS EXCITATION - FRAME			48 CYCLES A.C. 1450 R.P.M. - FRAME			NON-REVERSING TYPE.		
X185-SK: WAF-9C464.			XW224-SK: WAF-230550.					
5/16/33	22A84		5/16/33	22A240		9/2/33		12287.1
NOV. 41			NOV. 41			NOV. 41		
CAY 21073	TBF	CAY-T-112	CAY 21081	TBF	CAY-T-112	CC-21089	TBC	
MOTOR			MOTOR			GENERATOR		
115 VOLTS D.C. - 3.5 H.P. - 1750 R.P.M.			440 VOLTS - 3 PHASE - 25 CYCLES - 4.5			2700/700 (OR 2000/700) VOLTS; .4/.255		
SLIP RINGS 250 WATTS - 58 CYCLE - 115			H.P. - 1450 R.P.M. - FRAME W324-CS.			(OR .4/.655) AMP; 1.2585 KW - 2400 R.P.M		
VOLTS. FRAME XF225-SK: WAF-14D931.						250 VOLTS EXCITATION. COMMUTATORS IN		
						SERIES AS USED IN MODEL TBC. NOT IN		
						SERIES WHEN USED AS 2000/700 VOLT		
						GENERATOR.		
5/16/33	11J29		5/16/33	41A386		11/18/33	D-224X	N-14388
NOV. 41			NOV. 41			NOV. 41		
CBP 21074	TBH		CAY 21082	TBF	CAY-T-112	CC-21090	TBC	
MOTOR			DYNAMOTOR			GENERATOR		
230 VOLTS D.C. - 4 H.P. - 1800 R.P.M.			115/11 VOLTS - 0.8/3.25 AMPS. - 115			2700/700 (OR 2000/700) VOLTS; .4/.255		
			VOLTS D.C. DRIVE. FRAME X125FK:			(OR .4/.655) AMPS.; 1.2585 KW - 2400		
			WAF-14C547.			R.P.M.; 115 VOLTS EXCITATION. COM-		
						MUTATORS IN SERIES AS USED IN MODEL TBC.		
						NOT IN SERIES WHEN USED AS 2000/700		
						VOLT GENERATOR.		
9/2/33	FB6F86	2125R	5/16/33	37B786		11/18/33	D-224X	N-14388
NOV. 41			NOV. 41			NOV. 41		
CBP 21075	TBH		CAY 21083	TBF	CAY-T-112	CBP 21091	KE-4	
GENERATOR			MOTOR - FAN			MOTOR-GENERATOR		
220 VOLTS - 60 CYCLES - 3-PHASE. 2.5 KW			80 VOLTS - SINGLE PHASE.					
905 P.P. - 2.78 KVA.								
9/2/33	FB6F86	2125R	5/16/33	14C561		1/11/34		
NOV. 41			NOV. 41			NOV. 41		
CAY 21076	TBF	CAY-T-112	CAY 21084	TBF	CAY-T-112	CAE 21092	KE-4	
EXCITER			STARTER			STARTER		
250 WATTS - 115 VOLTS O.C. / 250 WATTS			115 VOLTS D.C. - 3.5 H.P.					
58 CYCLES A.C. 1750 R.P.M. - FRAME								
XW224-SK: WAF-230550.								
5/16/33	22A240		5/16/33	42A833		1/11/34		
NOV. 41			NOV. 41			NOV. 41		
CAY 21077	TBF	CAY-T-112	CAY 21085	TBF	CAY-T-112	CBP 21093	QB	
MOTOR			STARTER			MOTOR-GENERATOR		
220 VOLTS - 3 PHASE - 60 CYCLES - 4.5			220 VOLTS - 3 PHASE - 60 CYCLES - 5 H.P.					
H.P. - 1750 R.P.M. FRAME W254-CS.			COMBINATION LINE STARTER AND MOTOR					
			CONTROL					
5/16/33	41A386		6/12/33	11-204-HF	26-A-391	2/1/34		
NOV. 41			NOV. 41			NOV. 41		

Class 21—Electrical Machines

3.21-5

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CHE 21094	QC	55RE21Z1436A	CAE 21102	NH-1		CW-21109-A	GF-11, RU-16	
MOTOR - A.C.			STARTER			DYNAMOTOR - FILTER UNIT		
220 VOLTS A.C. - SYNCHRONOUS.						INPUT: 14 VOLTS AT 8 AMP. OUTPUT: 425 VOLTS AT 163 MILLIAMPS. DIFFERS FROM BASIC NUMBER IN THAT RESISTOR ELEMENT IS 140 OHMS INSTEAD OF 105 OHMS; RESISTORS ARE MECHANICALLY INTERCHANGEABLE.		
2/1/34	"A"		3/21/34			10/23/41		
NOV. 41			NOV. 41			NOV. 41		
CAE 21095	QC	55RE21Z1433A	CAY 21103	TAY-1		CHE 21110	HA	
CONTROLLER - MOTOR			STARTER			GENERATOR - SYNCHRONOUS		
2/1 H.P. - 220 VOLTS - 3 PHASE - 60 CYCLES.			2 H.P. - 120 VOLTS D.C.			TRANSMITTER. (SELSYN) 440 V. SINGLE PHASE 60 CYCLES.		
2/19/34	1528		4/12/34			7/7/34	10-458-4	
NOV. 41			NOV. 41			NOV. 41		
CST 21096	QC	55RE21J1438A	CAY 21104	TAY-1		CAE 21111	QC-1	
MOTOR - A.C.			STARTER			STARTER		
2 H.P. - 220 VOLTS - 3 PHASE - 60 CYCLES 30 MIN. DUTY, 1700 R.P.M. - SEMI-ENCLOSED.			2 H.P. - 220 VOLTS - 3 PHASE - 60 CYCLES					
2/19/34	N-224		4/12/34			8/1/34	589	
NOV. 41			NOV. 41			NOV. 41		
CST 21097	QC-1	55RE21J1439A	CG-21105	TU-2		CAE 21112	QC-1&QB-1& 19RE21J1466	
MOTOR - A.C.			GENERATOR - BIAS			STARTER PUSH BUTTON		
1 H.P. - 220 VOLTS - 3 PHASE - 60 CYCLES 30 MIN. DUTY. TWO SPEED - 1100/280 R.P.M. - SEMI-ENCLOSED.			125 VOLTS - 150 WATTS - FRAME 48; INTERCHANGEABLE WITH SO-1248. (REQH. 962-34 FOR ONE FOR USS MELVILLE)			STATION. TWO ELEMENT WITH SIGNAL LAMPS. (FOR REPLACEMENT USE -24060)		
2/19/34	MT-252-23		5/9/34	BC		8/1/34	521G	
NOV. 41			NOV. 41			NOV. 41		
CAY 21098	TAL (MOD.)		CAY 21106	TAT-1		CBP 21113	QC-1	
MOTOR			MOTOR - A.C.			MOTOR-GENERATOR		
10 H.P. - 440 VOLTS - 3 PHASE - 25 CYCLES. 13.7 AMPS. - 710 R.P.M. - FRAME MS-366.			220 VOLTS - 3 PHASE - 60 CYCLES - 2.75 H.P. - 1750 RPM. FRAME #M-254.					
3/8/34	CS		5/10/34	CS	12-J-661	8/1/34	562F	
NOV. 41			NOV. 41			NOV. 41		
CAY 21099	TAL (MOD.)		CAY 21107	TAY-1		CC-21114	UB	
FREQUENCY CHANGER			MOTOR-GENERATOR - D.C.			MOTOR		
PRIMARY: 440 VOLTS - 3 PHASE - 25 CYCLES - 13.9 AMPS. 710 R.P.M. SECONDARY 11 KVA - 10 KW - 220 VOLTS - 3 PHASE - 60 CYCLES - 23 AMPS. - 90 P.F. - FRAME: WR-444.			MOTOR: 120 VOLTS D.C. - 18 AMPS. - 2 H.P. - 1750 R.P.M. FRAME #23. GENERATOR: 2200 VOLTS - 0.455 AMP. - 1 KW - 1750 R.P.M. - FRAME 23.			7-1/2 H.P. - 230 VOLTS - 60 CYCLES - SINGLE PHASE - 1750 R.P.M. - REPULSION START - INDUCTION RUN.		
3/8/34	CU		5/10/34	SK	12-J-661	8/1/34	R-324	
NOV. 41			NOV. 41			NOV. 41		
CAY 21100	TAL (MOD.)		CBY 21108	RU-3		CC-21115	UB	
STARTER			DYNAMOTOR UNIT:			GENERATOR		
10 H.P. - 440 VOLTS - 3 PHASE - 25 CYCLES.			INPUT 14 VOLTS, 8 AMPS. OUTPUT 360 VOLTS. 0.1 AMP.			2500 VOLTS - 1.0 AMPERE.		
3/16/34	11-200-A-7		6/14/34			8/1/34	039HX	
NOV. 41			JUNE 42			NOV. 41		
CBP 21101	NH-1		CBY 21109	RU-3a		CC-21116	UB(4CKL)	
MOTOR-GENERATOR			DYNAMOTOR UNIT:			GENERATOR		
230 VOLTS D.C.			INPUT 14 VOLTS, 8 AMPS. OUTPUT 425 VOLTS. 0.163 AMPS.			TWO WINDINGS: 200 VOLTS - 2.5 AMPERE. 800 VOLTS - 0.8 AMPERE.		
3/21/34	562U		6/14/34			8/1/34	021NP	
NOV. 41			JUNE 42			NOV. 41		
			ASSIGNED			ASSIGNED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CC-21117 UB STARTER 230 VOLTS - 60 CYCLES - SINGLE PHASE.			CG-21125 TBJ STARTER FOR FILAMENT MOTOR-GENERATORS.			CAY21130B		
8/1/34 NOV. 41			10/29/34 CR-5130-85 NOV. 41		T-4937871 DL-4983228			
CG-21118 TAQ-4 MOTOR 12 WATTS - 100 VOLTS - 60 CYCLES - SINGLE PHASE, 1550 R.P.M.			CG-21126 TBJ MOTOR 1 H.P. - 220 VOLTS - 3-PHASE - 60 CYCLES 1750 R.P.M. - SEMI-ENCLOSED - DOUBLE SHAFT EXTENSION.			CAY 21131 TBK-3 MOTOR 115 VOLTS D.C. - 1/75 H.P. - 3000 R.P.M. FRAME #12.		
9/21/34 KSP-61FA-21 NOV. 41		K-5008865	10/29/34 5K-204A-352 NOV. 41		K-4852306	11/14/34 S#900784 NOV. 41		52-B-146 ASSY #1
CG-21119 TBJ MOTOR - INDUCTION 15 H.P. - 1750 R.P.M. - 220 VOLTS - 3 PHASE - 60 CYCLES. 40° C. CONT. - BALL BEARING, 4-POLE.			CG-21127 TBJ MOTOR 1 H.P. - 125 VOLTS D.C. - SHUNT WOUND 1750 R.P.M. SEMI-ENCLOSED.			CAY 21131-A * SEE BELOW MOTOR: (BLOWER) 115 VOLTS DC; 1/75 H.P.; 3000 R.P.M.		
9/24/34 6K3268842 NOV. 41		K-4850805	10/29/34 5B-204A-810 NOV. 41		K-4852305	Ø 73-B-524 & T-7604968 PT. 143. * TBK-3, 5, 6 & TBL-2. 8/31/36 S#952446 Ø SEE ABOVE NOV. 41		
CG-21120 TBJ GENERATOR - B1AS. 7.5 KW - 500 VOLTS - 1750 RPM - 4-POLE - 40° C. CONT. - BALL-BEARING.			CG-21128 TAM-1 MOTOR 1 H.P. - 440 VOLTS - 3-PHASE - 25 CYCLES 1450 R.P.M. SEMI-ENCLOSED - DOUBLE SHAFT EXTENSION.			CAY 21131-B * SEE BELOW MOTOR BLOWER: 115 V DC, 1/75 HP, 3150 RPM. SAME AS -21131A EXCEPT FOR FOLLOWING CHANGES: LEADS ATTACHED AFTER VARNISH TREATING AND BAKING OF FIELD COILS AND STATOR WINDINGS. STEEL WASHER MOUNTED ON * REPLACEMENT FOR TBL-5, TBL-6 11/6/41 MAR. 43		
9/24/34 MODEL 49A664 NOV. 41		K-4850805	11/1/34 K-224-2 NOV. 41		K-4852304			
CG-21121 TBJ MOTOR - SYNCHRONOUS. 225 H.P. - 0.8 P.F. - 1200 R.P.M. - 220 VOLTS - 3-PHASE; 60 CYCLES - 40° C. CONT BALL-BEARING - 6-POLE.			CG-21129 TAM-1 MOTOR 1 H.P. - 125 VOLTS D.C. - SHUNT WOUND SEMI-ENCLOSED.			ARMATURE SHAFT BETWEEN CAY 21131-B SHOULDER AND BALL BEARINGS. "CHANNEL WEDGES" IN ARMATURE SLOT.		
9/29/34 MODEL 6C637 NOV. 41		P-4264176	11/1/34 B-204-2 NOV. 41		K-4852305			
CG-21122 TBJ ALTERNATOR 150 KW - 0.9 P.F. - 1200 R.P.M. - 220 VOLTS - SINGLE PHASE, 60 CYCLES - 40° C. CONT. - BALL BEARING - 6-POLE.			CAY 21130 TBK MOTOR 110 VOLTS A.C. 60 CYCLES.			CAY 21132 TBK-3 MOTOR 230 VOLTS D.C. - 1/75 H.P. - 3,000 R.P.M. FRAME #12.		
9/29/34 MODEL 6C314 NOV. 41		P-4264176	11/14/34 S#901049 NOV. 41		27-C-74	11/14/34 S#901030 NOV. 41		52-B-146 ASSY #1
CG-21123 TBJ EXCITER 125 VOLTS - FLAT COMPOUND - 40° C. CONT.			CAY 21130-A * SEE BELOW MOTOR: (BLOWER) 110 VOLTS 60 CYCLES AC; 1/75 H.P. 3000 R.P.M. (IMPROVED TYPE -21130)			CAY 21132-A * SEE BELOW MOTOR: (BLOWER) 230 VOLTS D.C. (SAME AS 21131A EXCEPT VOLTAGE).		
9/29/34 MODEL 16G377 NOV. 41		P-4264176	* TBL-3 & TBK-7. 3/24/38 S#954111 NOV. 41		73-B-951	Ø 73-B-524 & T-7604968 PT. 11. * TBK-3, 5, 6, & TBL-2. 8/31/36 S#952734 Ø SEE ABOVE NOV. 41		
CG-21124 TBA-2 MOTOR 1/30 H.P. - 3450 R.P.M. - 110 VOLTS - 60 CYCLES.			CAY 21130B *SEE BELOW MOTOR (BLOWER): 110/1/60; 1/75 HP, 3150 RPM. SAME AS 21130A EXCEPT FOR FOLLOWING CHANGES: LEADS ATTACHED AFTER VARNISH TREATING AND BAKING OF FIELD COILS AND STATOR WINDINGS. STEEL WASHER MOUNTED ON ARMATURE SHAFT BETWEEN *TBL-3, TBK-7, TBL-6 11/6/41 S#954111, MAR. 43 LX 5642			CAY 21132-B * SEE BELOW MOTOR, BLOWER SAME AS -21131B EXCEPT FOR 230 VOLTS DC OPERATION. * REPLACEMENT FOR TBL-2. 11/6/41 S#952734 73-B-524 MAR. 42		
10/1/34 KH-250 NOV. 41		M-7461721						

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CG-21133	TAN-1		CG-21140	TBJ		CBP 21148	NC-2 & QB-1	
MOTOR			STARTER			MOTOR-GENERATOR		
10 H.P. - VOLTS - 25 CYCLES - 3-PHASE			(CANCELLED - SAME AS CG-21139)					
1450 R.P.M. 40° C. CONT.								
11/15/34		5K326C961	11/24/34		CR-5130-F4 GEN-575C	12/14/34		
NOV. 41			NOV. 41			NOV. 41		
CG-21134	TAN-1		CG-21141	TBJ		CAE 21149	NC-2 & QB-1	
GENERATOR			STARTER			STARTER		
5 KW - 500 VOLTS - 10 AMPS. - 1450 R.P.M.			(CANCELLED - SAME AS CG-21139)					
40° C. CONT.								
11/15/34		49A-661	11/24/34		CR-5130-F4 GEN-575C	12/14/34		
NOV. 41			NOV. 41			NOV. 41		
CWE 21135	NA		CG-21142	TBJ		CBP 21150	NM-1a	
MOTOR - INDICATING.			STARTER			MOTOR-GENERATOR		
440 VOLTS, 60 CYCLES, SINGLE PHASE,			1 H.P. - 220 VOLTS - 3 PHASE - 60 CYCLES			115 VOLTS D.C.		
SYNCHRONOUS.			CAT. #4983651-G-2.					
11/23/34		10-45B-5	11/24/34		CR-5130-F4 GEN-538C	12/20/34		562J
NOV. 41			NOV. 41			NOV. 41		
CBP 21136	NA		CG-21143	TAN-1		CAE 21151	NM-1a	
MOTOR			MOTOR			STARTER		
440 VOLTS - 3-PHASE - 60 CYCLES. TWO			440 VOLTS - 3-PHASE - 25 CYCLES - 1440			115 VOLTS D.C.		
WINDINGS: #1 - 1 H.P. - 1150 R.P.M. -			R.P.M. - 7-1/2 H.P. BALL BEARING - 40°					
1-9 AMPS. #2 - 1/4 H.P. - 290 R.P.M.			C. CONTINUOUS.					
2-3 AMPS.								
11/23/34		BH535	11/28/34		5KF326C960 K-4850774	12/20/34		434M
NOV. 41			NOV. 41			NOV. 41		
CBP 21137	NA		CG-21144	TAN-1		CAE 21152	QC-1	
MOTOR			MOTOR			MOTOR CONTROLLER		
440 VOLTS - 3-PHASE - 60 CYCLES - 4.7			440 VOLTS - 3-PHASE - 25 CYCLES - 1440					
AMPS. 1800 R.P.M. - 2.5 H.P.			R.P.M. - 15 H.P. BALL BEARING - 40° C.					
			CONTINUOUS.					
11/23/34		BF51	11/28/34		5KF3650G1 M-4322921	12/21/34		565C
NOV. 41			NOV. 41			NOV. 41		
CAE 21138	NA		CG-21145	TAN-1		CHE 21153	QC & QC-1	55RE21Z1437
MOTOR CONTROLLER			MOTOR - SYNCHRONOUS			MOTOR - A.C.		
FOR HOISTING AND TRAINING UNIT; DUPLEX			440 VOLTS - 3-PHASE - 25 CYCLES - 750			220 VOLTS A. C. - SYNCHRONOUS.		
			R.P.M. - 150 H.P. - 4-POLE - BALL					
			BEARING - 0.8 P.F. - DL-4982332.					
11/23/34		CBN-585B	11/28/34		TS-AA T-4972112	1/3/35		"M"
NOV. 41			NOV. 41			NOV. 41		
CHE 21138-A	NA-2		CG-21146	TAN-1		CC-21154	TBL	CRV-T-134
CONTROLLER, AC MAGNETIC -			GENERATOR			MOTOR		SHEET 33
2 MOTOR; IE: 2-1/2 H.P. & 1 H.P.			100 KW - 220 VOLTS - 25 CYCLES - SINGLE			115 VOLTS D.C., 3-1/2 H.P., 2400 R.P.M.		
440 VOLTS, 3 PHASE, 60 CYCLES. SAME AS			PHASE - 750 R.P.M. 4 POLES - 0.9 P.F.			SHUNT WINDING WITH SPEED REGULATOR, 40°		
21138 EXCEPT 3 SEPARATE PUSH BUTTONS			BALL BEARING - DL-4982333.			C CONTINUOUS		
FOR RESET INSTEAD OF 1.								
4/24/36		1886A	11/28/34		AS1-AA T-4972112	*SPEC N-18606 SHEET 34.		
NOV. 41		CL40:568:150	NOV. 41			1/9/35 D254X		CRY:K-823206
						NOV. 41		CRY:GE52A3 *SEE ABOVE
CG-21139	TBJ		CG-21147	TAN-1		CC-21154-A	TBL	
STARTER			EXCITER			MOTOR		
15 H.P. - 220 VOLTS - 3 PHASE - 60			7 KW - 125 VOLTS D.C. - 750 R.P.M. - 4			SAME AS CC-21154 EXCEPT TERMINAL BOX ON		
CYCLES. CAT. #4983492-G-2.			POLES.			TOP OF MOTOR.		
11/24/34		CR-5130-F4	11/28/34		16C-652 T-4972112	5/1/35		K-823206
NOV. 41		GEN-575C	NOV. 41			NOV. 41		
			ASSIGNED			ASSIGNED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

RESTRICTED

NAVSHIPS 900,109

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Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CC-21155 TBL MOTOR 230 VOLTS D.C., 3-1/2 H.P., 13.8 AMP., 2400 R.P.M. SHUNT WINDING WITH SPEED REGULATOR, 40° C CONTINUOUS.		CRY-T-134 SHEET 29	CAY 21160 TBK-3 MOTOR 3.5 H.P., 115 VOLTS D.C., 1750 R.P.M.			CBP 21168 QC-1 MOTOR-GENERATOR GENERATOR: 230 VOLTS, 3-PHASE, 60 CYCLES, 7-1/2 KVA. MOTOR: 230 VOLTS DC		61RE21J1450
*SPEC DWG. N-18601 SHEET 29. 1/9/35 D254X NOV. 41 CRY:GE52A2		CRY:K-823206 *SEE ABOVE	1/15/35 NOV. 41	11-J-801		1/29/35 NOV. 41		
CC-21155-A TBL MOTOR SAME AS CC-21155 EXCEPT TERMINAL BOX ON TOP OF MOTOR.			CAY 21161 TBK-3 MOTOR 3.5 H.P., 230 VOLTS D.C., 1750 R.P.M.			CAE 21169 QC-1 CONTROLLER 10 H.P., 230 VOLTS D.C.		19RE21J1448
5/1/35 NOV. 41	K-823206		1/15/35 NOV. 41	11-J-802		1/29/35 434-K NOV. 41		
CC-21156 TBL GENERATOR - PLATE. 600/2850 VOLTS DC, 0.35/0.44 AMPS. 0.21/1.254 KILOWATT, COMPOUND WINDING, 40°C CONTINUOUS 2400 R.P.M. EXCITATION FROM BIAS GEN. *CRY:GE52A2 & GE52A3. **SPEC DWG. N-18602 SHEET 30. 1/9/35 D224X NOV. 41 *SEE ABOVE		CRY-T-134 SHEET 30	CG-21162 TBJ STARTER 1 H.P., 125 VOLTS D.C.			CBX 21170 RH-3 & QC-3 MOTOR, A.C. 110 VOLTS, 60 CYCLES, SERIES WOUND UNIVERSAL, FORM R GOVERNOR, SHAFT SPEED 240 R.P.M., DOUBLE INTERNAL REDUCTION GEAR 17 TO 1.		
		CRY:K-823206 **SEE ABOVE	1/24/35 DL-4983769G2 NOV. 41	K-3614247 PT. 1		3/19/35 CRG-3 NOV. 41		2055-15
CC-21156-A TBL GENERATOR - PLATE SAME AS CC-21156 EXCEPT TERMINAL BOX ON TOP OF GENERATOR.			CG-21163 TAW-1 STARTER 10 H.P., 440 VOLTS, 3-PHASE.			CG-21171 TAW-1 MOTOR, A.C. 220 VOLTS, 3-PHASE, 25 CYCLES, 1500 R.P.M., 2 POLE, 1/2 H.P.		
5/1/35 NOV. 41	K-823206		1/24/35 DL-4983492G5 NOV. 41	GEM575C		3/25/35 5K2028865 NOV. 41		K-4855478
CC-21157 TBL GENERATOR - BIAS 250 VOLTS DC, 0.2 AMPS., 0.4 KILOWATTS SHUNT WINDING, 2400 R.P.M., 40° C CONT. SLIP RING OUTPUT - 110 V. 275 VA; SELF EXCITATION. *CRY:GE52A2 & GE52A3. **SPEC DWG. N-18603 SHEET 31. 1/9/35 *SEE ABOVE NOV. 41 D224XR		CRY-T-134 SHEET 31	CG-21164 TAW-1 STARTER 7-1/2 H.P., 440 VOLTS, 3-PHASE.			CG-21172 TBJ MOTOR, A.C. 220 VOLTS, 3-PHASE, 60 CYCLES, 1800 R.P.M., 1/2 H.P.		
		CRY:K-823206 **SEE ABOVE	1/24/35 DL-4983651G4 NOV. 41	GEM538C		3/25/35 5K202A551 NOV. 41		K-4855478
CC-21157-A TBL GENERATOR - BIAS SAME AS CC-21157 EXCEPT TERMINAL BOX ON TOP OF GENERATOR.			CG-21165 TAW-1 STARTER 15 H.P., 440 VOLTS, 3-PHASE.			CEA 21173 RAJ DYNAMOTOR UNIT INPUT: 6 VOLTS D.C.		
5/1/35 NOV. 41	K-823206		1/24/35 DL-4983492G6 NOV. 41	GEM575C		4/23/35 AD-10M-3182 NOV. 41		
CAY 21158 TBK-3 STARTER 3.5 H.P. - 115 VOLTS D.C.			CG-21166 TAW-1 STARTER 1 H.P., 440 VOLTS, 3-PHASE.			CST 21174 HB MOTOR, TRAINING 1.5 H.P., 300/1200 R.P.M. 440 VOLTS, 3-PHASE, 60 CYCLES.		60RE21J1440
1/15/35 NOV. 41	42A-833		1/24/35 DL-4983651G3 NOV. 41	GEM538C		5/3/35 NOV. 41		14195
CAY 21159 TBK-3 STARTER 3.5 H.P. - 230 VOLTS D.C.			CG-21167 TAW-1 STARTER 150 H.P., 440 VOLTS, 25 CYCLES, 3-PHASE.			CST 21175 HB MOTOR, HOISTING 2.5 H.P., 1800 R.P.M., 440 VOLTS, 3-PHASE, 60 CYCLES.		60RE21J1441
1/15/35 NOV. 41	42A-832		1/24/35 DL-4983643 NOV. 41	K-5189034		5/3/35 NOV. 41		14135

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Class 21—Electrical Machines

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBE 21176	HB	19RE21J1445	CBW 21184	QC-2		0.040" TO 0.066".		CAY 21187c
CONTROLLER, DUPLEX, FOR HOISTING AND TRAINING MOTORS. 440-VOLT, 3-PHASE, 60 CYCLES (FOR 2 MOTORS), ONE-2-1/2 H.P. AND ONE 1-1/2 H.P., 2 SPEEDS.			MOTOR, SYNCHRONOUS REPEATING. 440 VOLT SINGLE PHASE 60 CYCLE OPERATION.					
5/23/35		A821226	8/23/35					
NOV. 41			NOV. 41					
CBP 21177	QC-1	61RE21J1451A	CBM 21185	QC-1a		CAO 21188	CXL	
MOTOR, TRAINING 230 VOLTS, 3-PHASE, 60 CYCLES, 2-SPEED, 1 H.P.			REMOTE CONTROL CABINET (21185A SAME EXCEPT INCORPORATES RUBBER MOUNTED)			STARTER 3 H.P., 115 VOLTS D.C., 24 AMPS.		
6/12/35			8/23/35			10/16/35	13220	13220
NOV. 41			NOV. 41			NOV. 41		
CBP 21178	QC-1		CEA 21186	GH-1		CAO 21189	CXL	
MOTOR, HOIST 230 VOLTS, 3-PHASE, 60 CYCLES, 1 SPEED, 2 H.P.			DYNAMOTOR UNIT.			STARTER 3 H.P., 230 VOLTS D.C., 12 AMPS.		
6/12/35		61RE21J1452A	9/30/35			10/16/35	13220	13220
MAR. 44			NOV. 41			NOV. 41		
CLA 21179	QC-1a		CAY 21187	TBM-1		CC-21190	CXL	
MOTOR, PUMP 3 H.P., 230 VOLTS, 3-PHASE, 60 CYCLES, SQUIRREL CAGE.			MOTOR: 0.008 H.P., 110 VOLTS, SINGLE PHASE, 26 CYCLES, 2700 R.P.M.			MOTOR 3 H.P., 115 VOLTS D.C., SLIP RINGS DELIVER 300 WATTS AT 60 CYCLES. FRAME M225X.		
7/9/35		LA-19434 & E12286	10/7/35	ES-259755	52-B-146	10/16/35		
NOV. 41			AUG. 42	S#950685	ASSY. #1	NOV. 41		
CYI 21180	QC-1a		CAY 21187-A	TBM-6		CC-21191	CXL	
GENERATOR, SYNCHRONOUS TRANSMITTER. 230 VOLT 60 CYCLE OPERATION.			BLOWER MOTOR .008 H.P.; 110 VOLTS, SINGLE PHASE, 25 CYCLES; 2700 R.P.M.; SAME AS NAVY TYPE CAY-21187 EXCEPT FOR IMPROVEMENTS OF COMPONENTS.			MOTOR 3 H.P., 230 VOLTS D.C. SLIP RINGS DELIVER 300 WATTS AT 60 CYCLES. FRAME M225X.		
7/12/35			8/23/40	S#95F399-A	4-B-2644 SUB 3	10/16/35		
NOV. 41			NOV. 41			NOV. 41		
CYI 21181	QC-1a		CAY 21187-B	REPLACEMENT		CBP 21192	QC-1a	
MOTOR, SYNCHRONOUS REPEATING. 230 VOLT 60 CYCLE OPERATION.			MOTOR BLOWER 0.008 H.P., 110 VOLTS, SINGLE PHASE, 25 CYCLES, 2700 R.P.M. SAME AS CAY-21187 EXCEPT LEADS ARE ATTACHED AFTER VARNISH TREATING AND BAKING OF FIELD COILS AND STATOR WINDINGS. STEEL WASHER MOUNTED ON ARMATURE SHAFT BETWEEN SHOULDER AND BALL			MOTOR-GENERATOR (MOIST & TRAIN). MOTOR: 115 VOLTS D.C. GENERATOR: 220 VOLTS, 60 CYCLES, 3-PHASE, 3.9 KVA.		
7/12/35			11/25/41	S#950685	52-B-146	11/4/35		
NOV. 41			AUG. 42		ASSY. #1	NOV. 41		
CHE 21182	QB-1 & JK-2		BEARINGS, CHANNEL WEDGES	CAY 21187-B		CBP 21193	QC-1a	
BEARING REPEATER INDICATOR. 230 VOLTS 60 CYCLE OPERATION. REPLACE WITH TYPE -22263.			IN ARMATURE SLOT.			MOTOR-GENERATOR (MOIST & TRAIN). MOTOR: 115 VOLTS D.C. GENERATOR: 220 VOLTS, 60 CYCLES, 3-PHASE, 7.5 KVA.		
8/14/35		SS178-S68-01				11/4/35		
NOV. 41		10-839 ALT 0				NOV. 41		
CHE 21183	QB-1 & JK-2		CAY 21187c	TBM-6, TBM-11		CBP 21194	WM-2a	
ANGLE TRANSMITTER 230 VOLT 60 CYCLE OPERATION.			BLOWER MOTOR: .008 HP, 110/1/25, 2700 RPM. SAME AS CAY-21187B EXCEPT A FILLISTER HEAD ASSEMBLY SCREW IS USED TO REPLACE A STUO AND NUT, NAVY SPECIFICATION CADMIUM PLATING ADDED FOR SOME PARTS. SHAFT END PLAY CHANGED FROM 0.045" TO 0.065" TO 4/22/42 CAY: S#957399-B CAY: 4-B-2644			MOTOR-GENERATOR. MOTOR: 115 VOLTS D.C. GENERATOR: 440 VOLTS, 60 CYCLES, 3-PHASE, 3.9 KVA.		
8/14/35		SS172-S68-02	ASSIGNED			11/4/35		
NOV. 41		10-840 ALT 0	ISSUED			NOV. 41		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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NAVSHIPS 900,109

3.21-10

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21195	MM-2a		CAY 21203	TBM-3		CAE 21209	QC-5, QC5B	
MOTOR-GENERATOR. MOTOR: 230 VOLTS D.C. GENERATOR: 440 VOLTS, 60 CYCLES, 3-PHASE, 3.9 KVA.			MOTOR 1/75 H.P., 230 VOLTS AC/DC, 3000 R.P.M. (SAME AS CAY-21187 EXCEPT ELECTRICAL CHARACTERISTICS.)			MOTOR STARTER. FOR 3 H.P., 440 V., 3 PHASE MOTOR, 100% 15 MIN OVERLOAD - HYDRAULIC PUMP.		
11/4/35 NOV. 41			1/13/36 NOV. 41			2/26/36 589B NOV. 41		
CAE 21196	QC-1a		CAE 21204	QC-4	19RE21J1466A	CAE 21210	QC-5a	
CONTROLLER, MOIST 115 VOLTS D.C., 11 H.P.			AUTOMATIC CONTROLLER FOR CBP-21205 MOTOR-GENERATOR.			MOTOR STARTER. SAME AS 21209 EXCEPT 220 V. SUPPLY.		
11/4/35 NOV. 41			12/10/35 (CBN) #434H NOV. 41			2/26/36 589C NOV. 41		
CC-21197	TBM-1		CBP 21205	QC-4	19RE21J1467A	CAE 21211	QC-5	
MOTOR-GENERATOR. TWO-BEARING. MOTOR END: 115 VOLTS D.C. GENERATOR END: 220 VOLTS, 60 CYCLES, 3-PHASE.			MOTOR-GENERATOR SET: A SINGLE UNIT MOTOR-GENERATOR & A H V GENERATOR. SINGLE UNIT MOTOR GENERATOR: MOTOR: 1800 R.P.M.; 168 TO 312 VOLTS DC, 20/11 AMPS. GENERATOR: 110 VOLTS DC, 3.15 AMPS & 230 VOLTS 60 CYCLES, 1 PHASE, 2.9 AMPS. HV. GENERATOR: 1250/625			MASTER STARTING SWITCH 2 BUTTON, 440 V. WITH INDICATING LIGHT.		
12/4/35 D37-D37P NOV. 41		C-1175D	12/10/35 CBM:552L NOV. 41	T41.5:T40 & F42		2/26/36 521F NOV. 41		
CAO 21198	TBM-1		VOLTS DC., .77.15 AMPS, 90% POWER FACTOR.	21205		CBN 21212	* SEE BELOW	
STARTER 115 VOLTS D.C., 4 H.P.						REMOTE CONTROL CABINET HAS BEARING REPEATER AND TRANSMITTING SELSYN FOR DISTANT CONTROL TRAINING OF HYDRAULIC SYSTEM, 440 VOLT.		
12/4/35 13076.4 NOV. 41		13076.4				* QC-5, MC SERIES, QC5B. 2/26/36 586B NOV. 41		
CBP 21199	TBM-3		CBP 21206	QB-1a	61RE21J1470	CLA 21213	QC-5, QC-5b	
MOTOR 230 VOLTS D.C., 1800 R.P.M., 10 H.P., WITH SPEED REGULATOR.			MOTOR-GENERATOR MOTOR: 190-310 VOLTS DC. GENERATOR: 230 VOLTS, 60 CYCLES, SINGLE PHASE.			PUMP MOTOR. 3 H.P., 440 VOLT, 3 PHASE, 60 CYCLE 1200 R.P.M.		
12/4/35 Q-3 NOV. 41		4274	12/10/35 562-K NOV. 41			2/28/36 CLA:20265 NOV. 41	LA20265 & RF1687	
CBP 21200	TBM-3		CC-21207	* SEE BELOW		CVI 21214		
GENERATOR, TWO-UNIT, TWO-BEARING. 440 VOLTS, 3-PHASE, 60 CYCLES, 3.5 KVA, 90% P.F., 1800 R.P.M., 220 VOLTS, SINGLE PHASE, 60 CYCLES, 2.1 KVA, 90% P.F. SEPARATELY EXCITED BY CBP-21201.			MOTOR-GENERATOR UNIT, TWO-BEARING. MOTOR END: 90-130 VOLTS D.C., 1800 RPM. GENERATOR END: 115 VOLTS - 60 CYCLES, SINGLE PHASE, 250 WATTS.			CANCELLED.		
12/4/35 W-3/U-1 NOV. 41		4274	* RECEIVERS GENERAL. 2/14/36 NOV. 41			NOV. 41		
CBP 21201	TBM-3		CC-21207-A	GENERAL USE		CEY 21215	RU-4	
EXCITER 125 VOLTS, 800 WATTS, 1800 R.P.M.			MOTOR GENERATOR UNIT, 2 BEARING; MOTOR 115 (90 TO 130) V DC, 4.6 AMP, 0.5 HP, 1800 RPM. GENERATOR 115/1/60, 2.17 AMP, 0.250 KVA, 250 WATTS AT UNITY POWER FACTOR. SAME AS TYPE -21701 EXCEPT FOR INPUT VOLTAGE. SIMILAR TO -21990, -21991.			DYNAMOTOR - FILTER UNIT. DYNAMOTOR UNIT SUPPLIED BY ECLIPSE AVIATION CORP. FOR OPERATION FROM 12 TO 14 VOLT DC SUPPLY		
12/4/35 LF-5 NOV. 41		4274	1/24/40 D20-DS15-4 MAR. 43	C-27129 REV 0		3/6/36 NOV. 41		
CAY 21202	TBM-3		CBP 21208	* SEE BELOW		CBY 21215-A	RU-11	
STARTER 10 H.P., 230 VOLTS D.C., TWO STEP TYPE.			MOTOR-GENERATOR - TWO BEARING. MOTOR END: 90-130 VOLTS DC - 1800 RPM. GENERATOR END: 115 VOLTS - 60 CYCLES - SINGLE PHASE - 500 WATTS. (NOS - 46800; 54568; 65758; 70252.)			DYNAMOTOR - FILTER UNIT DYNAMOTOR UNIT SUPPLIED BY CONTINENTAL ELECTRIC CO. FOR OPERATION FROM 12 TO 14 VOLT DC SUPPLY.		
12/4/35 NOV. 41		59-D-195	* RECEIVERS GENERAL. 2/14/36 NOV. 41			1/6/38 NOV. 41		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 21—Electrical Machines

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAE 21216	QB-1a	19RE21J1471	CAE 21224	NM-6	19RE21J1473	CC-21229B		
CONTROLER. 2 H.P., 240 V DC.			STARTER - 120 VOLT D.C. SUPPLY. 3.5 H.P.			INSTEAD OF SELF-ALIGNING TYPE. DRIP-PROOF, SEMI-ENCLOSED.		
3/14/36	434R		4/23/36	434T				
NOV. 41			NOV. 41					
CBM 21217	NM-7		CAE 21225	NM-6a	19RE21J1474	CC-21230	TBL-2	
CONTROL UNIT - 32 VOLT DC CONTROLS MG SPEED & OUTPUT.			STARTER - 240 VOLT D.C. SUPPLY. 3.5 H.P.			MOTOR - 230 VOLTS D.C. (+45%-23%) 3-1/2 H.P. (SAME AS CAT-21229 EXCEPT VOLTAGE)		
4/23/36	725	725	4/23/36	434-U		5/15/36		N-22046
NOV. 41			NOV. 41			NOV. 41		
CBM 21218	NM-6		CBM 21226	QC-5 & 5a		CC-21230-A	TBL-3	
CONTROL UNIT-240 VOLT DC. CONTROLS MG SPEED & OUTPUT.			REMOTE CONTROL CABINET. SAME AS 21212 EXCEPT 220 V. INPUT.			MOTOR - 230 V. D.C. SAME AS -21230 EXCEPT MODIFICATION IN SAME PARTS AS -21229A.		
4/23/36	725A	725A	4/23/36	686C	686C	6/6/38	D254X	N-23504
NOV. 41			NOV. 41			NOV. 41		
CBM 21219	NM-6a		CM-21227	RAM		CC-21230-B	TBL-6	
CONTROL UNIT-240 VOLT DC. CONTROLS MG SPEED & OUTPUT.			DYNAMOTOR & FILTER UNIT.			DC MOTOR 230 VOLTS V DC, 13.8 AMP, 3.5 HP, 1780 RPM, 40° C. CONTINUOUS. SAME AS CC-21230A EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. ELECTRICALLY & MECHANICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR ALL REPLACEABLE PARTS. 10/3/41 MAR. 43		
4/23/36	725B	725B	4/24/36			CC-21230-B		
NOV. 41			NOV. 41			230 VOLTS V DC, 13.8 AMP, 3.5 HP, 1780 RPM, 40° C. CONTINUOUS. SAME AS CC-21230A EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. ELECTRICALLY & MECHANICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR ALL REPLACEABLE PARTS. 10/3/41 MAR. 43		
CBP 21220	NM-7		CVI 21228	* SEE BELOW		USES SINGLE ROW RADIAL	CC-21230-B	
MOTOR GENERATOR MOTOR: 32 VOLT SUPPLY D.C. 5 H.P. GENERATOR: 1500 V. D.C./ 115 V. D.C./ 115 V. A.C.			BEARING TRANSMITTER UNIT 440 VOLT SINGLE PHASE 60 CYCLE OPERATION SIMILAR TO 21180 EXCEPT HAS GE MK - 11 MOD. 2 SYNCHRONOUS GENERATOR IN LIEU OF ARMATURE.			BEARINGS INSTEAD OF SELF-ALIGNING BEARINGS. DRIP-PROOF, SEMI-ENCLOSED.		
4/23/36	562AC		* QC-5, a, b, & c. 5/7/36 NOV. 41					
NOV. 41								
CBP 21221	NM-6		CC-21229	TBL-2		CC-21231	TBL-2	
MOTOR GENERATOR MOTOR: 120 VOLT SUPPLY D.C. 5 H.P. GENERATOR: 1500 V. D.C./ 115 V. D.C./ 115 V. A.C.			MOTOR - 115 VOLTS D.C. (+45% - 23%). 1780 R.P.M. - 40° C RISE CONTINUOUS - 3-1/2 H.P. BALL BEARING. MOTOR EQUIPT. WITH AUTOMATIC SPEED REGULATOR TO CONTROL SPEED TO ± 3% FOR LINE VOLTAGE CHANGES OF (+45%-23%)			MOTOR 440 VOLT - 3 PHASE 60 CYCLE. SQUIRREL CAGE INDUCTION MOTOR FOR OPERATION AT 1780 R.P.M. 40° C CONT.		
4/23/36	562AD		6/15/36		N-22045	5/15/36		N-22044
NOV. 41			NOV. 41			NOV. 41		
CBP 21222	NM-6a		CC-21229-A	TBL-3		CC-21231-A	TBL-3	
MOTOR GENERATOR MOTOR: 240 VOLT SUPPLY D.C. - 5 H.P. GENERATOR: 1500 V. D.C./ 115 V. D.C./ 115 V. A.C.			MOTOR - 115 V. D.C. SAME AS -21229 EXCEPT FOLLOWING: (1) SPEED REGULATOR BRUSHES; (2) SPEED REGULATOR BRUSH HOLDER; (3) INTER-POLE COILS; (4) SPEED REGULATOR CONTACTS (5) ARMATURE.			MOTOR - 220/440 VOLTS. 3 PHASE, 60 CYCLES. 3.5 H.P.; 220/440 VOLTS, 10.4/5.2 AMPS, 3 PHASE, 60 CYCLES CONTINUOUS DUTY, 40° C RISE; SQUIRREL CAGE; 1780 R.P.M. SAME AS TYPE CAT-21231 EXCEPT ALSO USABLE AT 220 VOLTS. 6/6/38 NOV. 41		
4/23/36	562AE		6/5/38	D254X	N-23505	6/6/38	M254X	N-23506
NOV. 41			NOV. 41			NOV. 41		
CAE 21223	NM-7	19RE21J1472	CC 21229B	TBL-6		CC-21231-B	TBL-6	
STARTER - 32 VOLT D.C. SUPPLY. 2.25 H.P.			DC MOTOR: 115 VOLTS DC, 27 AMPS, 3.5 HP, 1780 RPM, 40° C CONTINU- OUS. SAME AS CC-21229A EXCEPT FOR SUBSTI- TUTION OF STEEL FOR CAST IRON. ELECTRI- CALLY AND MECHANICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR ALL REPLACEABLE PARTS. USES SINGLE ROW RADIAL BEARINGS 10/3/41 MAR. 43			AC MOTOR 220/440 VOLTS, 10.4/5.2 AMP., 3 PHASE, 60 CYCLES, 3.5 HP, 1780 RPM, 40° C. CONTINUOUS. SAME AS CC-21231A EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. ELECTRICALLY & MECHANICALLY INTERCHANGE- ABLE AS A UNIT AS WELL AS FOR ALL 10/3/41 MAR. 43		
4/23/36	434-S		4/23/36	434-S		4/23/36	434-S	
NOV. 41			NOV. 41			NOV. 41		

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Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
REPLACEABLE PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING TYPE. DRIP-PROOF, SEMI-ENCLOSED.	CC-21231-B		CAY 21234	TBL-2	STARTER 115 VOLTS D.C. - 3.5 H.P. 17-1/2" HIGH 12-1/2" WIDE - 11-1/2" DEEP (BOX ONLY) 20-1/2" HIGH, 14-1/2" WIDE, 13" DEEP. (OVERALL)	CEA 21239	CP-3	BLOWER MOTOR: 60 VOLTS, 800 CYCLES, SINGLE PHASE, 6700 RPM. FOR USE WITH CAPACITOR NAVY TYPE-48205A WEMCO S#867350.
	5/15/36 NOV. 41			22-J-318 SUB 3			1/23/37	N-3460 . D-55512 NOV: 41 WEMCO S#867350
CC-21232	TBL-2	GENERATOR - D.C. COMBINED WITH -21233 & MOTOR. 1.4 KW-2000 VOLTS D.C. - 40° C RISE CONTINUOUS 1780 R.P.M.; SEPARATELY EXCITED AT 250 VOLTS D.C. SELF ALIGNING BALL BEARING MACHINE.	CAY 21234-A	TBL-3	STARTER 115 V. D.C. 3.5 H.P. SIMILAR TO -21234.	CEA 21239-A	CP-4 & CP-5	BLOWER MOTOR. 0.002 H.P., 60 VOLTS, 800 CYCLES, SINGLE PHASE FOR USE WITH CAPACITOR NAVY TYPE NUMBER 48205A, IDENTICAL TO BASIC NUMBER, EXCEPT FOR STAINLESS STEEL BEARINGS
	5/15/36 NOV. 41	N-22043 N-23507		3/4/38 NOV. 41	23-J-694 REV 0			*#3460 WITH STAINLESS STEEL BEARINGS. 3/5/40 *SEE ABOVE CAY:P-7706230-1 NOV. 41 SUB 6
CC-21232A	TBL-6	GENERATOR-DC: 1.4 KW, 2000 VOLTS DC, 0.7 AMP, 1780 RPM, 40° C CONTINUOUS. SEPARATELY EXCITED AT 250 VOLTS DC. SAME AS CC-21232 EXCEPT FOR SUBST. OF STEEL FOR CAST IRON. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE, AS A UNIT AS WELL AS FOR ALL	CAY 21235	TBL-2	STARTER 230 VOLTS D.C. - 3.5 H.P. SAME AS CAY-21234 EXCEPT VOLTAGE. (SEE 21251)			21239B ASB-5 BLOWER MOTOR: 0.002 HP, 60 V 800 C SINGLE PHASE, FOR USE WITH NAVY TYPE -48205A CAPACITOR. SAME AS BASIC NUMBER, EXCEPT HAS STAINLESS STEEL BALL BEARINGS AND COVER PLATE Ø CAY TYPE FL, MOTOR S#957895 CEA TYPE 867350 9/12/42 Ø SEE ABOVE CRR:C591968 OCT. 42
	10/3/41 JUNE 42	N-30144		5/15/36 AUG. 44	22-J-519 SUB 3			AND THREE RUBBER SHOCK MOUNTING FEET ARE OMITTED. 21239B
REPLACEABLE PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF ALIGNING TYPE.	CC-21232A		CAY 21235-A	TBL-3	STARTER 230 V. D.C. 3.5 H.P. SIMILAR TO -21235.			
				3/4/38 NOV. 41	23-J-693 REV 0			
CC-21233	TBL-2	GENERATOR - AC/DC COMBINED WITH 21232 & MOTOR. 1000 VOLTS DC AT 0.2 AMP (.200 KW); 250 VOLTS DC AT 0.85 AMP (.213 KW); 220 VOLTS, 1.02 AMPS, 1 PHASE, 60 CYCLES (.225 KW) CONTINUOUS DUTY, 40° C RISE.	CAY 21236	TBL-2	STARTER 440 VOLTS - 60 CYCLES - 3 PHASE, 3.5 HP. 14" HIGH - 10" WIDE - 8" DEEP; (BOX ONLY) 17" HIGH, 12" WIDE, 9-1/2" DEEP. (OVERALL)	CAY 21240	TBK-5 & 6	CAY-T-150-25 GENERATOR (MAIN PLATE) 17-G-78 3000 VOLTS, 0.350 AMPS D.C. 1.77 KW. 2000 VOLTS, 0.360 AMPS D.C. 1750 TO 1800 R.P.M., 250 VOLTS D.C. FIELD EXCITATION FROM CAY-21241. (286 LBS.)
	5/15/36 DEC. 41	N-22042		5/15/36 AUG. 44	22-J-321 SUB 2			9/30/36 FR.X225. 75-A-316 NOV. 41 TYPE SK 75-A-317
CC-21233-A	TBL-3	GENERATOR - LOW VOLTAGE AND BIAS. SAME AS -21233 EXCEPT HAS CURRENT CARRYING CAPACITY OF 1.35 AMP FOR 250 VOLT WINDING. THE SPARES DIFFER IN H.V. COMMUTATOR BRUSH HOLDER, MAIN FIELD COILS & ARMATURE.	CAY 21236-A	TBL-3	STARTER 440 VOLTS, 3 PHASE 60 CYCLE 3.5 H.P. SIMILAR TO -21236.	CAY 21241	TBK-5 & 6	CAY-T-130-27 GENERATOR (NO PLATE & BIAS). 1000 VOLTS, 0.1 AMPS D.C. 0.35 KW., 250 VOLTS 1.0 AMPS D.C. 1750 TO 1800 R.P.M., 250 VOLTS D.C. FIELD EXCITATION. 155 LBS.
	5/5/38 NOV. 41	N-23508		3/4/38 NOV. 41	23-J-695 REV 0			9/30/36 FR. X225; 75-A-316 NOV. 41 TYPE SK 75-A-317
CC-21233-B	TBL-6	GENERATOR, AC/DC 1000 VOLTS DC AT 0.2 AMP (0.2 KW), 250 V DC AT 0.85 AMP (0.213 KW), 220/1/60, 1.02 A (0.225 KW), 40° C CONTINUOUS. SAME AS CC-21233 EXCEPT NO CAST IRON PARTS & SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING, ELECTRICALLY &	CBP 21237	NM-4	MOTOR-GENERATOR SAME AS CBP:21206 EXCEPT USING 115 V. DC MOTOR.	CAY 21242	TBK-5 & 6	CAY-T-130-22 MOTOR (DRIVING) 17-M-10 3-3/4 H.P. - 220/440 VOLTS, 3 PHASE, 60 CYCLES 9/4.5 AMPS 1750 R.P.M. SQUIRREL CAGE INDUCTION MOTOR. (140 LBS.)
	10/6/41 MAR. 43	CC:N-30145		5/20/36 NOV. 41	562-L. AF SK3120			9/30/36 FR. F-225T 75-A-317 NOV. 41 TYPE CS
MECHANICALLY INTER-CHANGEABLE AS A UNIT. DRIP-PROOF, SEMI-ENCLOSED.	CC-21233-B		CAE 21238	NM-4	CONTROLLER - 115 V. D.C. FOR CBP-21237 M.C.	CAY 21243	TBK-5	CAY-T-130-20 MOTOR (DRIVING) 3-3/4 H.P. - 115 VOLTS D.C.; 30 AMPS.; 1800 R.P.M.; WITH 250 WATTS APPROX. 61 VOLTS 60 CYCLE POWER FROM SLIP RINGS.
				5/20/36 NOV. 41	434N.V			9/30/36 NOV. 41 75-A-316

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 21244	TBK-5 & 6	CAY-T-130-21	CAY 21252	TBK-6	CAY-T-130-35	CBP 21260	* SEE BELOW	CBP-R-133
MOTOR (DRIVING). 3-3/4 H.P. - 230 VOLTS D.C. - 15 AMPS. -1800 R.P.M. WITH 250 WATTS APPROX. 162 VOLTS 60 CYCLE POWER FROM SLIP RINGS. (175 LBS).		17-M-9C MOD.	STARTER 220 VOLTS 3 PHASE 60 CYCLES - 3.75 H.P. APPROX. 18-3/4 HIGH, 9 WIDE, 10-5/8 DEEP 30 LBS.		17-C-10	GENERATOR 110 VOLT, 60 CYCLE, SINGLE PHASE, 1800 RPM WITH 24 VOLT EXCITER WITH PULLEY FOR BELT DRIVE 3.5 KVA. (RAA & RAB)		
9/30/36	FR. X225	75-A-316	9/30/36	11-200FN	14-J-395	* NOS-51736 ITEM 2H. 12/2/36 U43:F843 NOV. 41		
NOV. 41	TYPE SK		NOV. 41					
CAY 21245	TBK-6	CAY-T-130-23	CAY 21253	TBK-6	CAY-T-130-36	CBP 21261	* SEE BELOW	CBP-R-133
MOTOR (DRIVING) 3-3/4 H.P. - 220 VOLTS, 2 PHASE - 4 WIRE 60 CYCLE (8.9 AMPS - 1750 R.P.M., SQUIRREL CAGE INDUCTION MOTOR. (170 LBS).			STARTER 220 VOLTS, 2 PHASE, 60 CYCLES - 3.75 H.P. APPROX. 18-3/4 HIGH, 9 WIDE, 10-5/8 DEEP 30 LBS.		17-C-10	MOTOR - SYNCHRONOUS 6-1/2 HP, 1500 RPM, 220/440 VOLT, 25 CYCLE, 3 PHASE SYNCHRONOUS, 2 POLES.		
9/30/36	FR. F225Y.	75-A-317	9/30/36	11-200FN	14-J-396	* NOS-51736 ITEM 2H 12/2/36 BPRS NOV. 41		
NOV. 41	TYPE CS		NOV. 41					
CAY 21246	TBK-6	CAY-T-130-26	CAY 21254	TBK-6	CAY-T-130-37	CAO 21262	* SEE BELOW	CBP-R-133
GENERATOR (MAIN PLATE) SAME CHARACTERISTICS AS CAY-21240 EXCEPT FREQUENCY WHICH IS 1455 R.P.M. 286 LBS.		17-G-7B	STARTER 440 VOLTS, 3 PHASE, 25 CYCLES - 3.75 H.P. APPROX. 18-3/4 HIGH, 9 WIDE, 10-5/8 DEEP 30 LBS.		17-C-10	CONTROLLER 220 VOLT, 3 PHASE, 25 CYCLES (AC CONTACTOR TYPE) (FOR USE WITH CBP-21260 & 21261).		
9/30/36	FR. X225.	75-A-318	9/30/36	11-200FN	14-J-397	* NOS-51736 ITEM 2H. 12/2/36 DMC. 13827.2 NOV. 41		
NOV. 41	TYPE SK		NOV. 41					
CAY 21247	TBK-6	CAY-T-130-28	CG-21255	TAJ-6		CBF 21263	T80	
GENERATOR (NO PLATE & BIAS). SAME CHARACTERISTICS AS CAY-21241 EXCEPT FREQUENCY WHICH IS 1455 R.P.M. 155 LBS.		17-G-7B	MOTOR 4 HP - 60 CYCLE - 5.45 AMP. 440 VOLT- 3 PHASE 1755 RPM 40° C CONTINUOUS; BALL BEARINGS PART OF M.G. SET 12A601.			GENERATOR - HAND OR ENGINE DRIVEN (LESS CLAMPS & CRANKS). 500/12.6 VOLTS, .0657.06 AMPS DC AT 60 RPM (50 TO 70 RPM).		
9/30/36	FR. X225.	75-A-318	10/14/36	5K254B1927	M-5506052 REV 2	12/29/36	GH	CC:K-7872324
NOV. 41	TYPE SK		NOV. 41			NOV. 41		REV 2
CAY 21248	TBK-6	CAY-T-130-24	CG-21256	TAJ-6		CBF 21263-A	EF-1 & TBX	17G7(INT)
MOTOR (DRIVING) 3-3/4 H.P. 220/440 VOLTS, 3 PHASE, 25 CYCLES 4.3 AMPS - 1455 R.P.M. - SQUIRREL CAGE INDUCTION MOTOR. (220 LBS)		17-M-10	GENERATOR DC 2 POLE - 1.875 KW, 1755 RPM, 1500/3000 VOLTS COMPOUND WINDING - SEPARATELY EXCITED AT 115 VOLT, 40° C CONTINUOUS, BALL BEARINGS; PART OF MG SET 12 A 601.			GENERATOR, WITH BUILT IN 10/15/36 FILTER (LESS CLAMPS & CRANKS). 12.5 VOLTS AT 0.86 AMPS AND 500 VOLTS AT 0.065 AMPS. INCLUDES PARTS FORMERLY CONTAINED IN TYPE -53058 FILTER, HAND DRIVE 60 RPM, POWER DRIVE 2100 RPM. *CBF DMC 31543 REV 0, CC:P-7762209 REV 0 7/18/39 *SEE ABOVE		
9/30/36	FR. #W-284.	75-A-318	10/14/36	SBY134A1	M-5506052 REV 2	NOV. 41		
NOV. 41	TYPE CS		NOV. 41					
CAY 21249	TBK-5	CAY-T-130-33	CG-21257	TAJ-6		CBF-21263-B	T8X-8	
STARTER 440 VOLTS; 3 PHASE, 60 CYCLES, 3.75 H.P. APPROX. 18-3/4 HIGH, 9 WIDE, 10-5/8 DEEP 30 LBS.			GENERATOR - DC 2 POLE - 4.25 WATTS - 1755 RPM, 115/1200 VOLTS - 2.65/175 AMPS COMPOUND WINDING 40° C CONTINUOUS, PART OF MG SET 12 A 601			DC GENERATOR 500-550V DC AT 0.085 AMPS MAX. 12.6V DC AT 2.0 AMPS. MAX. SIMILAR TO CBF-21263-A EXCEPT HAS IMPROVED FILTER.		
9/30/36		14-J-392	10/14/36	SBY133A1	M-5506052 REV 2	9/11/44		
NOV. 41			NOV. 41			NOV. 44		
CAY 21250	TBK-5	CAY-T-130-32	CG-21258	TAJ-6		CG-21264	CRY-20053	
STARTER 115 VOLTS D.C. - 3.75 H.P. APPROX. 28-1/2 HIGH, 14-1/2 WIDE, 15-1/4 DEEP, 90 LBS. SAME AS 21235 EXCEPT FOR AN EXTRA INTERLOCK AND TERMINAL MARKINGS.			STARTER 440/3/60 FOR USE WITH TAJ-6 MG SET (12 A 601) 21255-21256 & 21257.			DYNAMOTOR PRI. INPUT: 6.3 VOLTS; SEC. OUTPUT: 250 VOLTS. 50 MILLIAMPS MINIMUM EFFICIENCY 40%.		
9/30/36		14-J-395	10/14/36	CATALOG NO.	11K322 REV 3	1/6/36	5DP68TA8	CRY:M-420035
NOV. 41			NOV. 41	DL-4989380		NOV. 41		REV 2
CAY 21251	TBK-5&TBK-6	CAY-T-130-34	CAY 21259	TBK-6	CAY-T-130-62	CG-21265	* SEE BELOW	
STARTER 250 VOLTS D.C. - 3.75 H.P. APPROX. 28-1/2 HIGH, 14-1/2 WIDE, 15-1/4 DEEP, 90 LBS. SAME AS 21235 EXCEPT FOR AN EXTRA INTERLOCK AND TERMINAL MARKINGS.		17-M-9C	STARTER 220 VOLTS, 3 PHASE, 25 CYCLE. SAME AS 21252 EXCEPT CONTACTOR COIL DESIGNED FOR 25 - 30 LBS.		17-C-10	DYNAMOTOR EQUIPMENT. INPUT: 11.5 VOLTS, OUTPUT: 500 VOLTS AT 0.065 AMPS; ASSIGNMENT INCLUDES -10925 SHIPPING BOX, -49044 GENERATOR CABLE, 2 SETS OF BRUSHES, 3 SETS OF 250 V, 15 AMP FUSES AND A PADLOCK. * FOR USE WITH T80 & T80-1. 2/2/37 5BY32A3 K-7871277 REV 1 NOV. 41		
9/30/36		14-J-394	12/1/36	11-200FN	22-J-176	NOV. 41		
NOV. 41			NOV. 41					

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

Class 21—Electrical Machines

3.21-15

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21287	* SEE BELOW	6RE21J1496B SYNCHRONOUS REPEATING MOTOR. ROTOR SUPPLY: 115 VOLTS, SINGLE PHASE, 60 CYCLES. THREE PHASE STATOR TO BE CONNECTED DIRECT TO THREE PHASE STATOR OF NAVY TYPE -21285 SYNCHRONOUS TRANSMITTING GENERATOR (CBM TYPE 757-94) * CBM-23118 (HD). 12/7/37 TYPE 5F NOV. 41 DL-4961772	CGP 21295	QCH/NM-10	61RE21J1501A GENERATOR 1250/625 VOLTS DC AT .77-.15 AMPS - 1800 RPM USED IN CONNECTION WITH TYPE -21294 MOTOR GENERATOR. 2/7/38 F42 NOV. 41	CG-21298-A		ABLE WITH -21763.
CBP 21288	CBM-23118	61RE21J1498A GENERATOR TRAINING CONTROL GENERATOR (HAND OPERATED) 500 VOLT DC, .010 AMP, 1500 RPM. 200 VOLT DC EXCITATION (SUBSIC NO 757-53). 12/7/37 NA2-B NOV. 41	CG-21296	TAJ-7	MOTOR: 4-POLE 1750 RPM 220/440 VOLTS, 3 PHASE, 60 CYCLES, 40° C CONTINUOUS. DRIP PROOF, BALL BEARINGS. SIMILAR TO TYPE -21255 EXCEPT SHAFT EXTENSION ON ONE SIDE ONLY. Ø CG:MM-5539600 REV 0 SPEC K-1069765 2/28/38 5K25481:439-4 Ø SEE ABOVE APR. 42	CG-21299	* SEE BELOW GENERATOR & STARTING MOTOR ALTERNATOR: 115 VOLT, 60 CYCLES AC, 14.6 KVA, 1 PHASE, .9 PF, 40° C CONTINUOUS DUTY; EXCITER: 7.5 VOLTS DC, 20 AMPS, .15 KVA, 40° C CONTINUOUS DUTY, 1800 RPM; STARTING MOTOR: 6 VOLT, 300 AMPS, * CG-73000 (TBR.1). 6/16/38 5LY107A1 NOV. 41	M-5513059 REV 5 (PRELIMINARY)
CAO 21289	QCH	42RE21J1500A CONTROLLER (MOTOR STARTER) 4 MP, 16 AMP, 75 TO 335 VOLT DC. 2/1/38 CBP NO 765A NOV. 41	CG-21296A	TAJ-10	17 M 10 A AC MOTOR: 4 HP 1750 RPM 220/440 VOLTS, 3 PHASE, 60 CYCLES, 40° C CONTINUOUS. DRIP PROOF, BALL BEARINGS. SAME AS BASIC TYPE -21296 EXCEPT STEEL END BRACKETS INSTEAD OF IRON. 2/18/41 5K25482705 APR. 42	CG-21299	* SEE BELOW GENERATOR & STARTING MOTOR ALTERNATOR: 115 VOLT, 60 CYCLES AC, 14.6 KVA, 1 PHASE, .9 PF, 40° C CONTINUOUS DUTY; EXCITER: 7.5 VOLTS DC, 20 AMPS, .15 KVA, 40° C CONTINUOUS DUTY, 1800 RPM; STARTING MOTOR: 6 VOLT, 300 AMPS, * CG-73000 (TBR.1). 6/16/38 5LY107A1 NOV. 41	M-5513059 REV 5 (PRELIMINARY)
CHE 21290	-22262	66RE21F1502A MOTOR - SELF SYNCHRONOUS 115 VOLT, 60 CYCLE, SINGLE PHASE OPERATION. 2/3/38 TYPE M NOV. 41	CG-21297	TAJ-7	GENERATOR DC: 2 POLE 1.6 KW, 1750 RPM, 1500/3000 VOLTS, .535 AMP, COMPOUND WINDING. EXTERNALLY EXCITED AT 115 V, 40° C CONTINUOUS. BALL BEARINGS. Ø CG:MM-5539600 REV 0 SPEC K-1069766 2/28/38 5BY134A2 Ø SEE ABOVE APR. 42	CG-21300	TBS MOTOR GENERATOR: SINGLE UNIT, SHUNT WINDING; MOTOR 120 VOLTS DC, 1 HP 3600 RPM, STARTING CURRENT 125 AMPS FULL LOAD CURRENT 7.5 AMPS, BALL BEARINGS, INSULATION TEST 1500 VOLTS, 40° C Ø CG:MM-5050272 G-1 REV 6; CRV:M-420603 REV 1 7/20/38 58C 66AB-786 Ø SEE ABOVE MAR. 44 5LY 57A 84	40° RATED FOR DUTY OF 1 MIN. 21299 EVERY 30 MIN.
CHE 21291	-22263	66RE21F1503A MOTOR - SELF SYNCHRONOUS 230 VOLT, 60 CYCLE, SINGLE PHASE OPERATION. 2/3/38 TYPE M NOV. 41	CG-21297-A	TAJ-10	17G7(INT) HIGH VOLTAGE DC GENERATOR 3/1/39 2 POLE, 1.6 KW, 1750 RPM, 1500/3000 VOLTS, 0.535 AMP, COMPOUND WOUND, 40° C CONTINUOUS. SEPARATELY EXCITED AT 115 VOLTS DC. BALL BEARING. SAME AS BASIC NUMBER EXCEPT USES STEEL END BRACKETS INSTEAD OF IRON. ARMATURE INTERCHANGE- 2/18/41 5BY134A5 SEPT 43	CG-21300	TBS MOTOR GENERATOR: SINGLE UNIT, SHUNT WINDING; MOTOR 120 VOLTS DC, 1 HP 3600 RPM, STARTING CURRENT 125 AMPS FULL LOAD CURRENT 7.5 AMPS, BALL BEARINGS, INSULATION TEST 1500 VOLTS, 40° C Ø CG:MM-5050272 G-1 REV 6; CRV:M-420603 REV 1 7/20/38 58C 66AB-786 Ø SEE ABOVE MAR. 44 5LY 57A 84	CONTINUOUS. GENERATOR CG-21300 306 WATTS, .350 AMP. 875 VOLTS AND 60 WATTS, .200 AMP, 300 VOLTS, SHUNT WINDING, INSULATION TEST 2750 VOLTS. BALL BEARINGS, 40° C CONTINUOUS. AC TAKEOFF FROM DC MOTOR, 170 WATTS, .78 AMP, 220 VOLTS, SIMILAR TO TYPE -211127.
CHE 21292	-65000	66RE21F1504A GENERATOR - SELF SYNCHRONOUS. 115 VOLT, 60 CYCLE, SINGLE PHASE OPERATION. 2/3/38 TYPE A NOV. 41	CG-21297-A	TAJ-10	17G7(INT) HIGH VOLTAGE DC GENERATOR 3/1/39 2 POLE, 1.6 KW, 1750 RPM, 1500/3000 VOLTS, 0.535 AMP, COMPOUND WOUND, 40° C CONTINUOUS. SEPARATELY EXCITED AT 115 VOLTS DC. BALL BEARING. SAME AS BASIC NUMBER EXCEPT USES STEEL END BRACKETS INSTEAD OF IRON. ARMATURE INTERCHANGE- 2/18/41 5BY134A5 SEPT 43	CG-21300-A	TBS-1 MOTOR GENERATOR (SINGLE UNIT): SAME AS CG-21300 EXCEPT EQUIPPED WITH A 400 OHM RESISTOR IN SERIES WITH THE FIELD OF THE KV DC GENERATOR IN LIEU OF NON MAGNETIC SHIMS. 5/13/40 5LY57AB6 NOV. 41	CRV:KX 285601
CHE 21293	-65001	66RE21F1505A GENERATOR - SELF SYNCHRONOUS. 230 VOLT, 60 CYCLE, SINGLE PHASE OPERATION. 2/3/38 TYPE A NOV. 41	CG-21298	TAJ-7	GENERATOR DC: 2 POLE 350 WATTS 1750 RPM 115/1200 V 2/0.1 AMP, COMPOUND WINDING, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. Ø CG:MM-5539600 REV 0 SPEC K-1069767 2/28/38 5BY135A2 Ø SEE ABOVE APR. 42	CG-21301	TBS MOTOR GENERATOR: SINGLE UNIT, INDUCTION/SHUNT. MOTOR 220 VOLTS, 3 PHASE, 60CYCLES, 1 HP, 3450 RPM, STARTING CURRENT 21 AMPS, FULL LOAD CURRENT 2.8 AMPS, INDUCTION WINDING, BALL BEARINGS, INSULATION TEST 1750 VOLTS, 40° C *CG:MM-5050270G-1 REV 4; CRV:M-420602 7/30/38 5K672C 603 REV 1 MAR. 44 5LY 57A B5 *SEE ABOVE	CONTINUOUS. GENERATOR RATINGS SAME AS -21300. SIMILAR TO TYPE -211128.
CBP 21294	QCH/NM-10	61RE21J1501A SINGLE UNIT MOTOR GENERATOR. MOTOR: 175 TO 335 VOLTS DC AT 21 TO 11 AMPS, 4 HP, 1800 RPM GEN: 75 VOLTS DC AT 7 AMPS AND POWER FOR GENERATOR FIELDS USED IN CONNECTION WITH TYPE -21295 GENERATOR. 2/7/38 Y41.5/Y40 NOV. 41	CG-21298-A	TAJ-10	17G7(INT) BIAS AND EXCITER 3/1/39 GENERATOR - DC, 2 POLE, 0.350 KW, 1750 RPM, 115/1200 VOLTS, 2/0.1 AMPS, COMPOUND WOUND 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP-PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END BRACKETS INSTEAD OF IRON. ARMATURE INTERCHANGE- 2/18/41 5BY135A5 SEPT 43	CG-21301	TBS MOTOR GENERATOR: SINGLE UNIT, INDUCTION/SHUNT. MOTOR 220 VOLTS, 3 PHASE, 60CYCLES, 1 HP, 3450 RPM, STARTING CURRENT 21 AMPS, FULL LOAD CURRENT 2.8 AMPS, INDUCTION WINDING, BALL BEARINGS, INSULATION TEST 1750 VOLTS, 40° C *CG:MM-5050270G-1 REV 4; CRV:M-420602 7/30/38 5K672C 603 REV 1 MAR. 44 5LY 57A B5 *SEE ABOVE	CONTINUOUS. GENERATOR RATINGS SAME AS -21300. SIMILAR TO TYPE -211128.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CG-21302	TBS		CBP 21309	QCJ/NM-10	61RE21J1506 MOTOR SHEET 3A 4 HP, 440 VOLTS - 3 PHASE, 60 CYCLES, 5.8 AMPS, 1750 RPM (CBM DWG 562 AU SHEET 3) (A PART OF TYPE BFR555-BF554-F52 MG SET)	CBH 21317	CBM-10031	GEAR REDUCTION UNIT. USED IN LIEU OF -21308 IN NEWER EQUIP- MENTS. A PART OF TYPE -10031 TRAINING UNIT; GEAR RATIO 66:1.
			4/2/38	BFS54	CBP DWG. 5427 NOV. 41	7/7/38	TB66	NOV. 41
			CBP 21310	QCJ/NM-10	61RE21J1506 HV GENERATOR D.C. SHEET 2A 1500/600 VOLTS DC, 1/.15 AMPS - 1.59 KW (CBM DWG 562AU SHEET 2) (A PART OF TYPE BFR555-BF554-F52 MG SET)	CRR 21318	CXS	DYNAMOTOR FILTER UNIT. INPUT: 12 TO 14 VOLTS DC. OUTPUT: 200 VOLTS DC 0.06 AMP(AT 13 V INPUT) SUPPLIED WITH NECESSARY INPUT & OUTPUT FILTERS & STARTING RELAY.
			4/2/38	BFR555	CBP DWG 5426 NOV. 41	7/11/38	B13022	NOV. 41
			CBP 21311	QCJ/NM-10	61RE21J1506 LV GENERATOR DC SHEET 4A 120/75 VOLTS DC, 1-7/7 AMPS 0.73 KW (CBM DWG 562AU SHEET 4) (A PART OF BFR555-BF554-F52 MG SET)	CRY 21319	TBS	MAGNETIC CONTROLLER: 120 VOLTS DC; 3 HP; LINE VOLTAGE STARTING TYPE; TOTALLY ENCLOSED.
			4/2/38	F52	CBP DWG 5428 NOV. 41	7/30/38	MI-8713A	CRY:PX-271899 REV 0
			CAO 21312	QCJ/NM-10	42RE21J1507A CONTROLLER (MOTOR) 4 HP, 440 VOLT, 3 PHASE, 60 CYCLE FOR USE WITH TYPE 21309 MOTOR.	CRY 21320	TBS-	MAGNETIC CONTROLLER: 220 OR 440 VOLTS 3 PHASE 60 CYCLE; 3 HP; LINE VOLTAGE STARTING TYPE; TOTALLY ENCLOSED.
			4/2/38	14333.7	CAO DWG 14333.7 NOV. 41 CBM TYPE 7658	7/30/38	MI-8713B	CRY:PX-271899 REV 0
			CRR 21313	GQ	MOTOR (FREQUENCY SELECTOR). 12 VOLT, 3-1/4 AMPERES; INTERMITTANT DUTY.	CBP 21321	QCH & JK-4	55RE21J1524A MOTOR 1 HP; 250 VOLTS DC; 3 AMPERES, 950 RPM SAME AS -21307 EXCEPT EXTENDED SHAFT FOR HAND CRANK.
			4/2/38	Y51-5/Y50	NOV. 41 CBM TYPE 774	4/6/38	AF-5513	8/9/38 NOV. 41
			CAO 21306	HE	55RE78J1141A MOTOR CONTROLLER SHEET 4 4 HP, 175 TO 335 VOLTS DC, 10 AMPERES.	CPC 21314	GQ	DYNAMOTOR INPUT: 13.25 VOLTS AT 28 AMP. 4400 RPM 50° C INTERMITTANT DUTY. OUTPUT: 490 VOLTS AT .430 AMPS. FOR -62080 TRANSMITTER.
			4/2/38	14485.9-1	NOV. 41 CBM TYPE 765C	4/12/38	SC218 SS662	CRR:QF-7536B NOV. 41
			CBP 21307	HE	55RE78J1141A MOTOR (TRAINING) SHEET 5 1 HP, 250 VOLTS DC, 3 AMPERES, 950 RPM.	CRR 21315	GQ	DYNAMOTOR - FILTER UNIT POWER FOR TYPE -62080 TRANSMITTER INCLUDES TYPE -21314 DYNAMOTOR.
			4/2/38	F42C	NOV. 41 CBM TYPE 776-8	4/14/38	F9618	NOV. 41
			CBH 21308	HE	55RE78J1141A GEAR REDUCTION UNIT SHEET 1 RATIO: 48:1.	CPO 21316	DY	SELF SYNCHRONOUS GENERATOR. FOR OPERATION OF -22261 AZIMUTH POSITION INDICATOR.
			4/2/38	TAA48	NOV. 41 CBM TYPE 776-7	4/21/38	CRR:N-90147-1	PD-9303 CRR:A-N90147-1
						11/18/38	11K490G-1	11K490 REY 1 NOV. 41

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CBP 21325		TKB-8	CBP 21326-B		TKB-12	CBP 21327-D		TKB-17
MOTOR 115 VOLTS DC, 40 AMPS, 5 HP, 1750 RPM, COMPOUND WOUND WITH INTERPOLES. AC OUTPUT: 75 VOLTS, 4 AMPS, 1 PHASE, 60 CYCLES.			DC MOTOR 230 V DC, 20 AMP, 5 HP, 1750 RPM, COM- POUND WOUND WITH INTERPOLES. AC OUTPUT 150 V AT 2 AMP, SINGLE PHASE, 60 CYCLES. SAME AS 21326 EXCEPT USES FERROUS METAL CASTINGS THROUGHOUT WITH THE FRAME MADE OF STEEL.			AC MOTOR: 220/440/3/60, 12/6 AMP 45 HP, 1750 RPM, 40°C CONTINUOUS OR 2 HOURS 25% OVERLOAD. SAME AS -21327-C EXCEPT HAS DIFFERENT END BRACKETS, GREASE CUPS, BALL BEARINGS, TERMINAL BOXES AND HAS TERMINAL BOARD ADDED.		CANCELLED
11/22/38 Y53 NOV. 41		5910	1/7/42 MAR. 42			4/4/44 JULY 44		8227 ALT 0
CBP 21325-A		TKB-12	CBP 21326-C		TKB-12	CBP 21328		TKB-8
MOTOR 115 V DC, 40 AMP, 5 HP, 1750 RPM, COM- POUND WOUND WITH INTERPOLES. AC OUTPUT 75 V, 4 AMP, SINGLE PHASE, 60 CYCLES. SAME AS BASIC NUMBER (-21325) EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF CAST IRON OR SEMI-STEEL.			DC MOTOR 230 VOLTS DC, 20 AMP, 5 HP, 1750 RPM, COMPOUND WOUND WITH INTERPOLES. AC OUT- PUT 150 VOLTS, 2 AMP, SINGLE PHASE, 60 CYCLES. SAME AS -21326 EXCEPT THAT THE STEEL AND FERROUS METAL PARTS OR UNITS ARE COMBINED IN A MANNER DIFFERING FROM 1/7/42			GENERATOR 3000/1500 VOLTS; .5/1.4 AMP; 1750 RPM; 40° C CONTINUOUS OR 2 HOURS AT 25% OVER- LOAD; 2100 WATTS.		
8/6/41 MAR. 42			MAR. 42			11/22/38 P53 NOV. 41		6481 ALT 2
CBP 21325-B		TKB-12	THAT INDICATED FOR		CBP 21326-C	CBP 21328-A		TKB-12
DC MOTOR 115 VOLTS DC, 40 AMP, 5 HP, 1750 RPM, COMPOUND WOUND WITH INTERPOLES. AC OUT- PUT 75 VOLTS AT 4 AMP, SINGLE PHASE, 60 CYCLES. SAME AS -21325 EXCEPT USES FERROUS METAL CASTINGS THROUGHOUT WITH THE FRAME MADE OF STEEL.			SUFFIXES "A" AND "B".			GENERATOR 3000/1500 V, 0.5/0.4 AMP DC, 2.1 KW, 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS AT 25% OVERLOAD. SAME AS BASIC NUMBER (-21328) EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF CAST IRON OR SEMI-STEEL.		
1/7/42 MAR. 42						8/6/41 MAR. 42		
CBP 21325-C		TKB-12	CBP 21326-D		TKB-17	CBP 21328-B		TKB-12
DC MOTOR 115 V DC, 40 AMP, 5 HP, 1750 RPM, COM- POUND WOUND WITH INTERPOLES. AC OUTPUT 75 V, 4 AMP, SINGLE PHASE, 60 CYCLES. SAME AS 21325 EXCEPT THAT THE STEEL AND FERROUS METAL PARTS OR UNITS ARE COM- BINED IN A MANNER DIFFERING FROM THAT 1/7/42			D-C MOTOR: 230 VOLTS DC, 20 AMPS, 5 HP, 1750 RPM, COMPOUND WOUND WITH INTERPOLES. AC OUT- PUT 150/1/60 AT 2 AMPS. SAME AS -21326-C EXCEPT HAS DIFFERENT END BRACKETS, GREASE CUPS, BALL BEARINGS, TERMINAL BOXES AND HAS TERMINAL BOARD.			HY DC GENERATOR 3000/1500 V, 0.5/0.4 AMP DC, 2.1 KW, 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS 25% OVERLOAD. SAME AS -21328 EXCEPT USES FERROUS METAL CASTINGS THROUGHOUT WITH THE FRAME MADE OF STEEL.		
1/7/42 MAR. 42			4/4/44 JULY 44		CANCELLED ALT 0	1/7/42 MAR. 42		
INDICATED FOR SUFFIXES		CBP 21325-C	CBP 21327		TKB-8	CBP 21328-C		TKB-12
"A" AND "B"			MOTOR 220/440 VOLTS, 3 PHASE, 60 CYCLES; 12/6 AMPS; 4.5 HP; 1750 RPM; 40° C CONTINUOUS OR 2 HRS 25% OVERLOAD.			HY DC GENERATOR 3000/1500 V, 0.5/0.4 AMP DC, 2.1 KW 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS AT 25% OVERLOAD. SAME AS 21328 EXCEPT THAT THE STEEL AND FERROUS METAL PARTS OR UNITS ARE COMBINED IN A MANNER DIFFERING FROM THAT INDICATED FOR SUFFIXES "A" AND "B".		
			11/22/38 BT54 NOV. 41		5852 ALT 2	1/7/42 MAR. 42		
CBP 21325-D		TKB-17	CBP 21327-A		TKB-12	CBP 21328-D		TKB-17
D. C. MOTOR: 115V DC, 40 AMPS, 5 HP, 1750 RPM, COM- POUND WOUND WITH INTERPOLES. OUTPUT: 75/ 1/60 AT 4 AMPS. SAME AS -21325-C EXCEPT HAS DIFFERENT END BRACKETS, GREASE CUPS, BALL BEARINGS, TERMINAL BOXES AND HAS TERMINAL BOARD ADDED. (CANCELLED)			MOTOR 220/440 V, 3 PHASE, 60 CYCLES, 12/6 AMP, 4.5 HP, 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS 25% OVERLOAD. SAME AS -21327 EX- CEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF CAST IRON OR SEMI-STEEL.			H.V. DC GENERATOR: 3000/1500 VOLTS - 0.5/0.4 AMP DC, 2.1 KW 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS AT 25% OVERLOAD. SAME AS -21328-C EXCEPT HAS NEW TERMINAL BOX AND BALL BEARINGS. CANCELLED-NEVER USED		
4/4/44 JULY 44		8229 ALT 0	8/16/41 MAR. 42			4/5/44 JULY 44		6481A ALT 4
CBP 21326		TKB-8	CBP 21327-B		TKB-12	CBP 21329		TKB-8
MOTOR 230 VOLTS DC, 20 AMPS, 5 HP, 1750 RPM, COMPOUND WOUND WITH INTERPOLES. AC OUTPUT: 150 VOLTS, 2 AMPS, 1 PHASE, 60 CYCLES.			AC MOTOR 220/440 V, 3 PHASE, 60 CYCLES, 12/6 AMP, 4.5 HP, 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS 25% OVERLOAD. SAME AS 21327 EXCEPT USES FERROUS METAL CASTINGS THROUGHOUT WITH THE FRAME MADE OF STEEL.			GENERATOR 250/1500 VOLTS; .4/.13 AMP; 1750 RPM; 40° C CONTINUOUS OR 2 HOURS AT 25% OVER- LOAD; 295 WATTS PLUS FIELD LOADS.		
11/22/38 Y53 NOV. 41		5910	1/7/42 MAR. 42			11/22/38 F51 NOV. 41		5854 ALT 2
CBP 21326-A		TKB-12	CBP 21327-C		TKB-12	CBP 21320-A		TKB-12
MOTOR 230 V DC, 20 AMP, 5 HP, 1750 RPM, COM- POUND WOUND WITH INTERPOLES. AC OUTPUT 150 VOLTS, 2 AMP, SINGLE PHASE, 60 CYCLES. SAME AS 21326 EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF CAST IRON OR SEMI-STEEL.			AC MOTOR 220/440/3/60, 12/6 AMP, 4.5 HP, 1750 RPM 40° C. CONTINUOUS OR 2 HOURS 25% OVER- LOAD. SAME AS 21327 EXCEPT THE STEEL AND FERROUS METAL PARTS OR UNITS ARE COMBIN- ED IN A MANNER DIFFERING FROM THAT INDI- CATED FOR SUFFIXES "A" AND "B".			GENERATOR 250/1500 V, 0.4/0.13 AMP DC, 295 WATTS, 1750 RPM, 40° C. CONTINUOUS OR 2 HOURS AT 25% OVERLOAD. SAME AS 21329 EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF CAST IRON OR SEMI-STEEL.		
8/6/41 MAR. 42			1/7/42 MAR. 42			8/6/41 MAR. 42		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21329-B TBK-12			CBP 21330-C TBK-12			WITH THE GENERATOR & MOTOR FRAMES MADE OF STEEL.		CBP 21331-B
LV AND BIAS GENERATOR 250/1500 V DC, 0.4/0.13 AMP DC, 1750 RPM 40° C. CONTINUOUS OR 2 HOURS AT 25% OVER LOAD. SAME AS 21329 EXCEPT USES FERROUS METAL CASTINGS THROUGHOUT WITH THE FRAME MADE OF STEEL.			MOTOR GENERATOR SET FOR 115 V DC SUPPLY. CONSISTS OF A TYPE CBP-21325C DRIVING MOTOR, TYPE CBP- 21328C HIGH VOLTAGE GENERATOR, TYPE CBP-21329C LOW VOLTAGE AND BIAS GENER- ATOR, BEDPLATE & ACCESSORIES. SAME AS 21330 EXCEPT THAT THE STEEL & FERROUS					
1/7/42 MAR. 42			1/7/42 MAR. 42					
CBP 21329-C TBK-12			METAL PARTS OR UNITS ARE CBP 21330-C			CBP-21331-C TBK-12		
LV & BIAS GENERATOR 250/1500 V DC 0.4/0.13 AMP DC, 1750 RPM 40° C. CONTINUOUS OR 2 HOURS AT 25% OVER LOAD SAME AS 21329 EXCEPT THAT THE STEEL & FERROUS METAL PARTS OR UNITS ARE COM- BINED IN A MANNER DIFFERING FROM THAT IN DICATED FOR SUFFIXES "A" AND "B".			COMBINED IN A MANNER DIFFERING FROM THAT INDICATED FOR SUF- FIXES "A" AND "B"			MOTOR GENERATOR SET FOR 230 V DC SUPPLY. CONSISTS OF A TYPE CBP-21326-C DRIVING MOTOR, TYPE CBP- 21328-C HIGH VOLTAGE GENERATOR, TYPE CBP-21329-C LOW VOLTAGE GENERATOR, BED- PLATE, & ACCESSORIES. SAME AS BASIC NUM- BER EXCEPT THAT THE STEEL AND FERROUS		
1/7/42 MAR. 42						1/17/42 MAR. 42		
CBP-21329-D TBK-17			CBP-21330-D TBK-17			METAL PARTS OR UNITS ARE COMBINED IN A		CBP-21331-C
L.V. AND BIAS GENERATOR: 250/1500 VOLTS DC, 0.4/0.13 AMP DC, 1750 RPM, 40°C CONTINUOUS OR 2 HOURS AT 25% OVERLOAD. SAME AS -21329-C EXCEPT HAS NEW TERMINAL BOX AND BALL BEARINGS.			MOTOR-GENERATOR SET: FOR 115 VOLTS DC SUPPLY: CONSISTS OF TYPE CBP-21325-D DRIVING MOTOR, TYPE CBP-21328-D HIGH VOLTAGE GENERATOR TYPE CBP-21329-D LOW VOLTAGE AND BIAS GENER- ATOR, BED PLATE AND ACCESSORIES. SAME AS -21330-C EXCEPT HAS FABRICATED BASE AND			MANNER DIFFERING FROM THAT INDICATED FOR SUFFIX "A" & "B".		
CANCELLED-NEVER USED			4/5/44 JULY 44		8250 ALT 0			
4/5/44 JULY 44		5854A ALT 4						
CBP 21330 TBK-B			CHANGE IN TERMINAL BOX ON MOTOR TO		CBP-21330-D			
MOTOR GENERATOR SET FOR A 115 VOLT DC SUPPLY CONSISTING OF A BED PLATE, A TYPE -21325 MOTOR, A -21328 AND -21329 GENERATORS.			ACCOMMODATE TERMINAL BOARD.			CBP-21331-D TBK-17		
			CANCELLED			MOTOR-GENERATOR SET: FOR 230 VOLT DC SUPPLY: CONSISTS OF TYPE CBP-21326-D DRIVING MOTOR, TYPE CBP- 21328-D HIGH VOLTAGE GENERATOR TYPE CBP- 21329-D LOW VOLTAGE GENERATOR, BED PLATE AND ACCESSORIES. SAME AS -21331-C EXCEPT HAS FABRICATED BASE AND CHANGE IN		
11/22/38 T53-P53-F51 NOV. 41		6482 ALT 2				4/5/44 JULY 44		8250 ALT 0
CBP 21330-A TBK-12			CBP 21331 TBK-B			TERMINAL BOX ON MOTOR TO ACCOMMODATE		CBP-21331-D
MOTOR GENERATOR SET FOR 115 V DC SUPPLY. CONSISTS OF A TYPE CBP-21325A DRIVING MOTOR, TYPE CBP- 21328A HIGH VOLTAGE GENERATOR, TYPE CBP- 21329A LOW VOLTAGE GENERATOR, BEDPLATE & ACCESSORIES. SAME AS 21330 EXCEPT USE OF STEEL CASTINGS THROUGHOUT IN PLACE OF 8/6/41 MAR. 42			MOTOR GENERATOR SET FOR 230 VOLT DC SUPPLY CONSISTING OF A BED PLATE, A TYPE -21326 MOTOR, AND TYPES -21328 AND -21329 GENERATORS.			TERMINAL BOARD.		
			11/22/38 T53-P53-F51 NOV. 41		6482 ALT 2.			
						CANCELLED		
CAST IRON OR SEMI-STEEL. CBP 21330-A			CBP 21331-A TBK-12			CBP 21332 TBK-B		
			MOTOR GENERATOR SET FOR 230 V DC SUPPLY. CONSISTS OF A TYPE CBP-21326A DRIVING MOTOR, TYPE CBP- 21328A HIGH VOLTAGE GENERATOR, TYPE CBP- 21329A LOW VOLTAGE GENERATOR, BEDPLATE, & ACCESSORIES. SAME AS 21331 EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE 8/6/41 MAR. 42			MOTOR GENERATOR SET FOR 220/440 V, 3 PHASE, 60 CYCLE SUPPLY CONSISTING OF A BED PLATE, A TYPE -21327 MOTOR, AND TYPES -21328 AND -21329 GENERATORS.		
			OF CAST IRON OR SEMI- CBP 21331-A					
			STEEL.			11/22/38 BT54-P53-F51 NOV. 41		6480 ALT 2
CBP 21330-B TBK-12			CBP 21331-B TBK-12			CBP 21332-A TBK-12		
MOTOR GENERATOR SET FOR 115 V DC SUPPLY. CONSISTS OF A TYPE CBP-21325B DRIVING MOTOR, TYPE CBP- 21328B HIGH VOLTAGE GENERATOR, TYPE CBP- 21329B LOW VOLTAGE & BIAS GENERATOR, BEDPLATE & ACCESSORIES. SAME AS 21330 EXCEPT USE OF FERROUS METAL CASTINGS 1/7/42 MAR. 42			MOTOR GENERATOR SET FOR 230 V DC SUPPLY. CONSISTS OF A TYPE CBP-21326B DRIVING MOTOR, TYPE CBP- 21328B HIGH VOLTAGE GENERATOR, TYPE CBP- 21329B LOW VOLTAGE GENERATOR, BEDPLATE, & ACCESSORIES. SAME AS 21331 EXCEPT USE OF FERROUS METAL CASTINGS THROUGHOUT 1/7/42 MAR. 42			MOTOR GENERATOR SET FOR 220/440/3/60 SUPPLY. CONSISTS OF A TYPE CBP-21327A DRIVING MOTOR, TYPE CBP- 21328A HIGH VOLTAGE GENERATOR, TYPE CBP- 21329A LOW VOLTAGE GENERATOR, BEDPLATE & ACCESSORIES. SAME AS 21332 EXCEPT USES STEEL CASTINGS THROUGHOUT IN PLACE OF 8/6/41 MAR. 42		
			THROUGHOUT WITH THE GEN- CBP 21330-B			CAST IRON OR SEMI-STEEL. CBP 21332-A		
			ERATOR AND MOTOR FRAME MADE OF STEEL.					

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21332-B TBK-12 MOTOR GENERATOR SET FOR 220/440/3/60 SUPPLY. CONSISTS OF A TYPE CBP-21327B DRIVING MOTOR, TYPE CBP-21328B HIGH VOLTAGE GENERATOR, TYPE CBP-21329B LOW VOLTAGE & BIAS GENERATOR, BEDPLATE, & ACCESSORIES. SAME AS 21332 EXCEPT USE OF FERROUS METAL CASTINGS 1/7/42 MAR. 42			CAE 21335 TBK-8 MOTOR CONTROLLER 220 VOLTS, 3 PHASE, 60 CYCLES; 4-1/2 HP.	11/22/38 6905 NOV. 41	CAE 2653 ALT 2	CBP 21343 NJ MOTOR GENERATOR UNIT. MOTOR END OPERATES FROM 24 VOLTS DC, 26 AMPS. GENERATOR END SUPPLIES 110 VOLTS, 2.73 AMP DC, AND 115 VOLTS, 60 CYCLES, SINGLE PHASE, 50 VA. 1980 RPM.	1/7/39 NOV. 41	CBM:5628D
THROUGHOUT WITH THE GENERATOR & MOTOR MADE OF STEEL.		CBP21332-B	CAE 21336 TBK-8 MOTOR CONTROLLER 440 VOLTS, 3 PHASE, 60 CYCLES; 4-1/2 HP.	11/22/38 6905 NOV. 41	CAE 2653 ALT 1	CPG 21344 NJ DYNAMOTOR. OPERATES FROM 110 V DC; DELIVERS APPROX. 1000 V. DC. 4000 RPM.	1/7/39 NOV. 41	CBM:709-12 CPG:RA1-1190
CBP 21332-C TBK-12 MOTOR GENERATOR SET FOR 220/440/3/60 SUPPLY. CONSISTS OF A TYPE CBP-21327C DRIVING MOTOR, TYPE CBP-21328C HV GENERATOR, TYPE CBP-21329C LV & BIAS GENERATOR, BEDPLATE, AND ACCESSORIES. SAME AS 21332 EXCEPT THAT THE STEEL AND FERROUS METAL PARTS OR UNITS 1/7/42 MAR. 42			CBP 21337 TBL-4 MOTOR - AC 220/440 VOLTS, 3 PHASE, 60 CYCLES, 3-1/2 HP, 11.0/5.5 AMPS, 1750 RPM, 40° C CONTINUOUS.	12/7/38 BFS53 NOV. 41	5870 ALT 1	CG-21345 CIAB CONVERTER 4 POLE; 120 V. DC/77 V. 60 CYCLE, SINGLE PHASE; 11.1 A DC/15A AC; 1800 RPM; 1 KVA OUTPUT AT 0.9 PF; SEMIENCLOSED BALL BEARING. MARINE TREATMENT - 50° C CONT.	1/27/39 NOV. 41	5H6200A20 X-5526633 REV 0
ARE COMBINED IN A MANNER DIFFERING FROM THAT INDICATED FOR SUFFIXES "A" & "B".		CBP 21332-C	CBP 21338 TBL-4 GENERATOR - LV & BIAS 1600/250 VOLTS DC, 0.1/1.0 AMP, COMPOUND WOUND, 1750 RPM; 110 VOLTS, 1 PHASE, 60 CYCLES, 3.55 AMP, 40° C CONTINUOUS.	12/7/38 YP50/Y51 NOV. 41	5871 ALT 1	CG-21346 CIAB STARTER FOR USE WITH 1.5 HP - 120 VOLT DC, 1800 RPM COMPOUND MOTOR.	1/27/39 NOV. 41	DL-69304190-2 M-5917777 PT. 3 REV 3
CBP-21332-D TBK-17 MOTOR-GENERATOR SET: FOR 220/440/3/60 SUPPLY. CONSISTS OF A TYPE CBP-21327-D DRIVING MOTOR, TYPE CBP-21328-D HIGH VOLTAGE GENERATOR TYPE CBP-21329-D LOW VOLTAGE AND BIAS GENERATOR, BED PLATE ACCESSORIES. SAME AS -21332-C EXCEPT HAS FABROCATED BASE AND CHANGE IN 4/5/44 JULY 44		8228 ALT 0	CBP 21339 TBL-4 GENERATOR - H.V. 500/2000 VOLTS DC, 0.35/0.60 AMP, SHUNT COMPENSATED, 1750 RPM., 40° C CONTINUOUS	12/7/38 YP53 NOV. 41	7235 ALT 1	CBP 21347 QCH-18NM-13 61RE21J1508B MOTOR - GENERATOR, 2 UNIT SHEET 1 OF 3 MOTOR, TYPE CBP-21348 INCLUDING DC AND AC GENERATOR, HV GENERATOR TYPE CBP-21349.	3/20/39 NOV. 41	CBM-5628B Y41.5/740 CBP DWG. 6076
TERMINAL BOX ON MOTOR TO ACCOMMODATE TERMINAL BOARD.		CBP-21332-D	CBP 21340 TBL-4 MOTOR GENERATOR SET CONSISTS OF A BEDPLATE AND A -21337 MOTOR, A -21338 AND -21339 GENERATORS.	12/7/38 BFS53-YP50/Y51- NOV. 43 YP53	7237 ALT 1	CBP 21348 QCH-1, NM-13 61RE21J1508 DC MOTOR & DC/AC SHEET 28 GENERATOR. MOTOR, 175 TO 335 VOLTS DC, 21 TO 11 AMPS; 4 HP; 1800 RPM. DC GEN. 75 VOLTS, 7 AMPS, & GEN FIELDS. AC GEN. 120 VOLTS, 60 CYCLES, 1 PHASE. 5.9 AMPS, 708 VA 92% P.F.	3/20/39 NOV. 41	Y41.5/740 CBM:5628B CBP DWG 6074
CANCELLED			CAE 21341 TBL-4 MOTOR CONTROLLER: 115 VOLTS DC, 5 HP, 40 AMP. DROPOUT VOLTAGE, 12 VOLTS.	12/7/38 6842 NOV. 41	CAE 2655 ALT 1	CBP 21349 QCH-18NM-13 61RE21J1508 HIGH VOLTAGE DC GENERATOR: SHEET 3B 1250/625 VOLTS DC, 0.1/0.15 AMPS 975 WATTS, 1800 RPM, 75 V SEPARATE EXCITATION.	3/20/39 MAR. 43	F-42 CBP:6075
CAE 21333 TBK-8 MOTOR CONTROLLER 115 VOLTS DC, 5 HP, 40 AMP. DROPOUT VOLTAGE, 12 VOLTS.			CCP 21342 TBC-2 PUMP & PUMP MOTOR RIGHT HAND PUMP - BALL BEARINGS. INCLUDES TYPE -21305 MOTOR; 30 FOOT HEAD; 31 GALLONS PER MINUTE, HYDROSTATIC - TEST 100 LB PER SQ. INCH; 1710 RPM.	12/7/38 6842 NOV. 41	CAE 2655 ALT 1	CBP 21350 * SEE BELOW 61RE21J1509A MOTOR-GENERATOR, 3 UNIT. AC MOTOR - TYPE CBP-21352. DC HV GEN. TYPE CBP-21351; DC LV GENERATOR TYPE CBP-21353. IMPWT: 440/5/60.	3/21/39 AUG. 42	* QCJ-1; QCK-1; NM-12. φ SEE ABOVE CBM:5628C
11/22/38 6842 NOV. 41		CAE 2655 ALT 1	12/14/38 1-1/2 RYL PUMP NOV. 41	Y-150RYL86X11 REV 0				

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NAVSHIPS 900,109

3.21-20

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21351	* SEE BELOW	61RE21J1509A	CBP 21357-A			CG-21360-A	TAQ-9	*SEE BELOW
HIGH-VOLTAGE DC GENERATOR 600/1500 VOLTS DC; 0.15/1.0 AMPS, 1590 WATTS, 1750 RPM.			NUMBER EXCEPT FOR MATERIAL SUBSTITUTIONS ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE WITH BASIC NUMBER			MOTOR-GENERATOR SET. *17G7(INT) 3/1/39, 17M10(INT) 9/15/40. FOR 220/440/3/60 SUPPLY. CONSISTS OF TYPES 21363A MOTOR -21364A HV GENERATOR, -21365A BIAS GENERATOR, ACCESSORIES AND BEDPLATE. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS, 3/25/41 15A131 CG:WM-6226556 APR. 42 ALT 3		
* QCJ-1, QCK-1, NM-12. 3/21/39 BFRS55 AUG. 42			CG-21358	TAQ-5		AND JUNCTION BOX, & BRASS BRUSH-HOLDERS.	CG-21360-A	
CGP 21352	* SEE BELOW	61RE21J1509A	MOTOR GENERATOR SET FOR 115 VOLT DC SUPPLY; CONSISTING OF TYPES -21361 MOTOR, -21364 HV GENERATOR -21365 BIAS GEN & BED PLATE.					
AC MOTOR 440 VOLTS - 3 PHASE - 4 HP - 5.8 AMPS 60 CYCLES, 1750 RPM.			*WM-5540351 ALT 0, W-5540391 ALT 5. 3/27/39 12A825 *SEE ABOVE MAR. 43					
* QCJ-1, QCK-1, NM-12. 3/21/39 BFRS54 NOV. 41			CG-21358-A	TAQ-9	*SEE BELOW	CG-21361	*SEE BELOW	
CGP 21353	* SEE BELOW	61RE21J1509A	MOTOR GENERATOR SET. *17G7(INT) 3/1/39, 17M17(INT) 9/1/40. FOR 115 VOLT DC SUPPLY; CONSISTS OF TYPES 21361A MOTOR, 21364A HV GENERATOR, -21365A BIAS GENERATOR, ACCESSORIES AND BEDPLATE. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS & 3/25/41 15A132 CG:WM-6626557 APR. 42 ALT 3			MOTOR - DC 115 VOLT DC, 4 POLE SHUNT WOUND MOTOR, 10 HP, 75 AMP, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. * (-21358) TAQ-5. **WM-5540351 ALT 0, W-5540391 ALT 0. 3/27/39 58Y113A1-BY113-4 NOV. 41 **SEE ABOVE		
DC GENERATOR. 75/130 VOLTS DC, 7/1.7 AMPS, 750 WATTS, 1750 RPM.			JUNCTION BOX AND BRASS BRUSH-HOLDERS.	CG-21358-A		CG-21361-A	TAQ-9	17M17(INT) 9/1/40
* QCJ-1, QCK-1, NM-12. 3/21/39 F52 AUG. 42						MOTOR - DC. 115 VOLTS DC, 4 POLE SHUNT WOUND MOTOR, 10 HP, 75 AMP, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS, AND JUNCTION BOX, AND BRASS BRUSH-HOLDERS. 3/25/41 58Y113A4 CG:WM-6626557 APR. 42 ALT 3		
CGP 21354	* SEE BELOW	61RE21J1510A	CG-21359	TAQ-5		CG-21362	*SEE BELOW	
HOISTING MOTOR 440 VOLT, 3 PHASE; 60 CYCLES; 5 AMPS. 2.5 HP, 1750 RPM. (30 MINUTES).			MOTOR GENERATOR SET. FOR 230 VOLT DC SUPPLY; CONSISTING OF TYPES -21362 MOTOR, -21364 HV GENERATOR, -21365 BIAS GENERATOR & BEDPLATE.			MOTOR - DC. * (-21359) TAQ-5. 230 VOLT DC, 4 POLE SHUNT WOUND MOTOR, 10 HP, 37.5 AMP, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. **WM-5540352 ALT 0, W-5540392 ALT 0. 3/27/39 58Y113A2-8Y113-4 NOV. 41 **SEE ABOVE		
* QCJ-1, QCK-1. 3/21/39 BFRS18 NOV. 41			*WM-5540352 ALT 0, W-5540392 ALT 5. 3/27/39 12A841 *SEE ABOVE MAR. 43			CG-21362-A	TAQ-9	17M17(INT) 9/1/40
CGP 21355	* SEE BELOW	61RE21J1511A	CG-21359-A	TAQ-9	*SEE BELOW	MOTOR - DC. 230 VOLTS DC, 4 POLE SHUNT WOUND MOTOR, 10 HP, 37.5 AMP, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS, AND JUNCTION BOX AND BRASS BRUSH-HOLDERS. 3/25/41 58Y113A3 CG:WM-6626558 APR. 42 ALT 3		
TRAINING MOTOR 220 VOLTS DC, 6 AMPS, 1.5 HP., 1000 RPM.			MOTOR GENERATOR SET. *17G7(INT) 3/1/39, 17M17(INT) 9/1/40. FOR 230 VOLTS DC SUPPLY; CONSISTS OF TYPES -21362A MOTOR, -21364A HV GENERATOR, -21365A BIAS GENERATOR, ACCESSORIES AND BED PLATE. SAME AS BASIC NUMBER EXCEPT USES STEEL END 3/25/41 15A133 CG:WM-6626558 APR. 42 ALT 5			CG-21363	* SEE BELOW	
* QCJ-1, QCK-1. 3/21/39 F42B NOV. 41			SHIELDS, BEARING CAPS AND JUNCTION BOX AND BRASS BRUSH HOLDERS.	CG-21359-A		MOTOR - AC. 220/440 VOLTS, 3 PHASE, 60 CYCLES SQUIRREL CAGE MOTOR, 10 HP, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI- ENCLOSED, DRIP PROOF. Ø WM-5540350 ALT 0, W-5540390 ALT 0. * (-21360) TAQ-5. 3/27/39 5K32434C3-K- Ø SEE ABOVE NOV. 41 324-4		
CGP 21356	QCH-1&JKA-2	61RE21J1512A	CG-21360	TAQ-5		CG-21363-A	TAQ-9	17M10-INT 9/15/40
MOTOR-GENERATOR UNIT MOTOR: 175 TO 335 V DC, 11 TO 5.6 AMPS, 1.3 KW. GENERATOR: ±10 TO 250 V DC, & AMPS, 2 KW WHEN SEPARATELY EXCITED BY REVERSING POLARITY OF 175 TO 335 V DC 1800 RPM, 40° C CONTINUOUS. 3/21/39 Y515/Y50 NOV. 43 CBM: TYPE 774A			MOTOR GENERATOR SET. FOR 220/440 VOLT, 3 PHASE, 60 CYCLE SUPPLY; CONSISTING OF TYPES -21363 MOTOR -21364 HV GEN. -21365 BIAS GENERATOR AND BED PLATE. *WM-5540350 ALT 0, W-5540390 ALT 4. 3/27/39 12A825 *SEE ABOVE MAR. 43			MOTOR AC 220/440/3/60, SQUIRREL CAGE MOTOR, 10 HP 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS AND JUNCTION BOX. 3/25/41 5K3243218 CG:WM-6226556 APR. 42 ALT 3		
CGP 21357	* SEE BELOW	61RE21J1513B	CG-21363	TAQ-9				
TRAINING MOTOR. 250 TO 10 VOLTS DC, 1 HP AT 1000 RPM. 3 AMPS. SEPARATE EXCITATION FROM 175 TO 335 V DC LINE.			ASSIGNED ISSUED					
* QCH-1 & JKA-2. 3/21/39 F420 NOV. 41 CBM: 776 - 71.			DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER			
CGP 21357-A	MCA-2	61RE 21J1597						
TRAINING MOTOR RATED 1HP AT 1000 RPM, 250 TO 10 VOLTS DC ON ARMATURE GIVES 1000 TO 66 RPM; 3 AMPERES; SEPARATELY EXCITED FROM 175 TO 335 VOLT DC LINE; DRIP-PROOF, SEMIEN- CLOSED. SHUNT WOUND; CONTINUOUS DUTY OR 100% OVERLOAD FOR 30 SEC. SAME AS BASIC Ø 13/43 CBM:776-85 CBM:776-85, ALT 0 NOV. 43 CBP:F420 CSD:8128, SUB 1								

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21364	* SEE BELOW		CAE 21370	QCB	19RE21Z1514A	CG-21375-A	TBA-6	
HV GENERATOR - DC. 2250 VOLTS DC, 2.3 AMP, 5.2 KW, 4 POLE COMPOUND WOUND, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF.			MAGNETIC CONTROLLER. 12 HP, 105 TO 130 VOLTS DC FOR USE WITH TYPE 21371 MOTOR GENERATOR SET. 12 HP CONTROLLER.			MOTOR GENERATOR SET: CONSISTS OF TYPE CG-21376A 440/220 MOTOR AND CG-21377A AND CG-21378A GENERATORS AND ACCESSORIES AND BEDPLATE.		
* -21358, -21359, -21360. 3/27/39 49A524CD-75-4 NOV. 41			4/3/39 SPEC 2732 CAE DWG 2752 NOV. 41			3/31/41 15A135 CG:WM-6626565 MAR. 42 ALT 3		
CG-21364-A	TAQ-9	17G7-INT 3/1/39	CC-21371	QCB	67RE21Z1515A	CG-21376	TBA-3	17M10(INT) 1/15/38
HV GENERATOR - DC. 2250 VOLTS DC, 2.3 AMP, 5.2 KW, 4 POLE COMPOUND WOUND, 1750 RPM FULL LOAD, 40° C CONTINUOUS, SEMI-ENCLOSED, DRIP PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS AND JUNCTION BOX, AND BRASS BRUSH HOLDERS. 3/25/41 49A433 CG:WM-6226556 APR. 42 ALT 3			SINGLE UNIT MOTOR GENERATOR. MOTOR: 12 HP, 105 TO 130 VOLT DC, 40° C CONTINUOUS. GENERATOR: 7-1/2 HP, 440 VOLTS, 3 PHASE, 60 CYCLES OUTPUT, 40° C CONTINUOUS, SEMI ENCLOSED, DRIP PROOF.			MOTOR AC. 220/440 VOLTS, 4 POLES, 3 PHASE, 60 CYCLES; 5.5 HP, 1750 RPM FULL LOAD; 40° C CONTINUOUS; BALL BEARING, SEMI- ENCLOSED, DRIP PROOF.		
* -21358, -21359, -21360. 3/27/39 5BY111A1-BY111-2 NOV. 41			4/3/39 D326X/DS326X CC DWG N-25708 NOV. 41			*CG DWG WM-5540467 REV 0 W-5540468 REV 0 4/25/39 5K2548254 *SEE ABOVE NOV. 41		
CG-21365	* SEE BELOW		CC-21371-A	QCE	67RE21J1525A	CG-21376-A	TBA-6	17 M 10 (INT) 5/15/38
BIAS GENERATOR - DC. 2 POLE, 0.325 KW, 750/115 VOLTS DC, 0.125/2 AMPS, 1750 RPM FULL LOAD - 40° C CONTINUOUS, COMPOUND WOUND, SEMI- ENCLOSED DRIP PROOF.			SINGLE UNIT MOTOR GENERATOR. SAME AS NAVY TYPE CC-21371 EXCEPT FOR OVER COMPOUNDED FIELDS IN LIEU OF OPTIMUM COMPOUNDING.			AC MOTOR: 220/440/3/60, 5-1/2 HP, 1750 RPM, ELEC- TRICALLY SAME AS 21376 EXCEPT USES STEEL BEARING CAPS, JUNCTION BOX, ALSO USES NEW BALL BEARINGS AND TEXTOLITE TERMINAL BOARD AND FORMEX STATOR INSULATION.		
* -21358, -21359, -21360. 3/27/39 5BY111A1-BY111-2 NOV. 41			2/9/40 D326X/DS326X NOV. 41			3/31/41 5K25482704 CG:WM-6626565 MAR. 42 ALT 3		
CG 21365A	TAQ-9	17G7-INT 3/1/39	CG-21372	TBA-3	17 M 10 (INT) 5/15/38	CG-21377	TBA-3	17G7(INT) 10/15/36
BIAS AND EXCITER GENERATOR: 3/1/39 2-POLE .325 KW, 750/115 VOLTS DC, .125/2 AMP, 1750 RPM FULL LOAD, 40° C CONTINU- OUS, COMPOUND WOUND, SEMI-ENCLOSED, DRIP PROOF. SAME AS BASIC NUMBER EXCEPT USES STEEL END SHIELDS, BEARING CAPS AND JUNCTION BOX, AND BRASS BRUSH-HOLDERS. 3/25/41 5BY111A4 CG:WM-6226556 APR. 42 ALT 3			BLOWER MOTOR: 115 VOLTS, 60 CYCLES, SINGLE PHASE, 1/30 HP, 1725 RPM FULL LOAD, 40° C CONTINU- OUS.			HV GENERATOR DC 2 POLES; 3 KW; 1750 RPM FULL LOAD, 2500 VOLTS AT 0.98 AMP AND 1250 VOLTS AT 0.44 AMP, COMPOUND WOUND, 40° C CONT.; BALL BEARING; SEMI-ENCLOSED, DRIP PROOF. EXTERNAL EXCITATION AT 115 VOLTS DC. *CG:WM-5540467 REV 0, W-5540468 REV 0. 4/25/39 5BY134A3 *SEE ABOVE NOV. 41		
*CG:K-7873912 REV 0, CG:K-7873927 REV 0 3/24/39 14974-2 *SEE ABOVE NOV. 41			4/25/39 5KH23A874 CG:T-5817026 MAR. 42 ALT 8			CG-21377-A TBA-6 17 G 7 (INT) HV DC GENERATOR 10/15/36 3 KW, 2500 V AT 0.98 AMP AND 1250 V AT 0.44 AMP. ELECTRICALLY SAME AS 21377 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, BRUSH HOLDER YOKE, PART OF CG DWGS (ALT 3) OF WM-6626567, 6626566, 6626565. 3/31/41 5BY134A6 SEE ABOVE MAR. 42		
CAO 21366	TAQ-5		CG-21372A	TBA-8.9		CG-21377-A	TBA-6	17 G 7 (INT) 10/15/36
MAGNETIC CONTROLLER - DC FOR USE WITH TYPE -21361, 10 HP, 115 VOLT DC, 75 AMP MOTOR.			BLOWER MOTOR: RATED 1/30 HP 115/1/60, 1725 RPM, 40° C CONTINUOUS. SAME AS CG-21372 EXCEPT SHAFT IS 1/2" LONGER.			LV DC GENERATOR 10/15/36 0.5 KW, 500 V AT 0.55 AMP AND 115 V AT 1.96 AMP, ELECTRICALLY SAME AS 21378 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, AND BRASS BRUSH A PART OF CG DWGS WM-6626565, 6626566, 6626567, ALT 3. 3/31/41 5BY111A2 *SEE ABOVE NOV. 41		
*CG:K-7873912 REV 0, CG:K-7873927 REV 0 3/24/39 14974-1 *SEE ABOVE NOV. 41			7/10/42 OCT. 42			CG-21378-A TBA-6 17 G 7 (INT) LV & BIAS DC GENERATOR 10/15/36 0.5 KW, 500 V AT 0.55 AMP AND 115 V AT 1.96 AMP, ELECTRICALLY SAME AS 21378 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, AND BRASS BRUSH A PART OF CG DWGS WM-6626565, 6626566, 6626567, ALT 3. 3/31/41 5BY111A2 *SEE ABOVE NOV. 41		
CAO 21367	TAQ-5		CG-21373	TBA-3	17C10(INT) 2/15/38	CG-21377-A	TBA-6	17 G 7 (INT) 10/15/36
MAGNETIC CONTROLLER - DC. FOR USE WITH TYPE -21362, 10 HP, 230 VOLT DC, 37.5 AMP. MOTOR.			MAGNETIC CONTROLLER 220 VOLTS, 3 PHASE, 60 CYCLES, 5.5 HP.			AND BRASS BRUSH HOLDER. CG-21377-A ALSO OTHER IMPROVED METALS AND BALL BEARINGS.		
*CG:K-7873912 REV 0, CG:K-7873927 REV 0 3/24/39 14974-1 *SEE ABOVE NOV. 41			4/25/39 11K688 REV 0 CG DWG 11K796 NOV. 41 ALT 2			CG-21378 TBA-3 17C7(INT) BIAS & LV GENERATOR DC. 10/15/36 2 POLES; 0.5 KW, 1750 RPM FULL LOAD, 500 VOLTS AT 0.55 AMPS AND 115 VOLTS AT 1.96 AMP, COMPOUND WOUND, 40° C CONT., BALL BEARING, SEMI-ENCLOSED, DRIP PROOF, SELF EXCITED. *CG:WM-5540467 REV 0, W-5540468 REV 0. 4/25/39 5BY111A2 *SEE ABOVE NOV. 41		
CG-21368	TAQ-5		CG-21374	TBA-3	17C10(INT) 2/15/38	CG-21378	TBA-3	17C7(INT) 10/15/36
MAGNETIC CONTROLLER - AC FOR USE WITH TYPE -21363, 10 HP SQUIRREL CAGE MOTOR CONNECTED FOR OPERATION FROM 220 VOLTS, 3 PHASE, 60 CYCLES.			MAGNETIC CONTROLLER 440 VOLTS, 3 PHASE, 60 CYCLES, 5.5 HP.			BIAS & LV GENERATOR DC. 10/15/36 2 POLES; 0.5 KW, 1750 RPM FULL LOAD, 500 VOLTS AT 0.55 AMPS AND 115 VOLTS AT 1.96 AMP, COMPOUND WOUND, 40° C CONT., BALL BEARING, SEMI-ENCLOSED, DRIP PROOF, SELF EXCITED. *CG:WM-5540467 REV 0, W-5540468 REV 0. 4/25/39 5BY111A2 *SEE ABOVE NOV. 41		
3/28/39 11K573 11K794 REV 0 NOV. 41			4/25/39 11K690 CG DWG 11K795 NOV. 41 ALT 2			CG-21378-A TBA-6 17 G 7 (INT) LV & BIAS DC GENERATOR 10/15/36 0.5 KW, 500 V AT 0.55 AMP AND 115 V AT 1.96 AMP, ELECTRICALLY SAME AS 21378 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, AND BRASS BRUSH A PART OF CG DWGS WM-6626565, 6626566, 6626567, ALT 3. 3/31/41 5BY111A5 SEE ABOVE OCT. 42		
CG-21369	TAQ-5		CG-21375	TBA-3	17M10(INT) 1/15/38	CG-21378-A	TBA-6	17 G 7 (INT) 10/15/36
MAGNETIC CONTROLLER - AC FOR USE WITH TYPE -21363, 10 HP, SQUIR- REL CAGE MOTOR CONNECTED FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLES.			MOTOR GENERATOR SET. FOR 220/440 VOLTS, 3 PHASE, 60 CYCLES CONSISTS OF A TYPE -21376 MOTOR, A -21377 HV GENERATOR AND A -21378 BIAS GENERATOR.			LV & BIAS DC GENERATOR 10/15/36 0.5 KW, 500 V AT 0.55 AMP AND 115 V AT 1.96 AMP, ELECTRICALLY SAME AS 21378 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, AND BRASS BRUSH A PART OF CG DWGS WM-6626565, 6626566, 6626567, ALT 3. 3/31/41 5BY111A5 SEE ABOVE OCT. 42		
3/28/39 11K572 11K793 REV 0 NOV. 41			*WM-5540467 REV 0, W-5540468 REV 0. 4/25/39 12A849 *SEE ABOVE NOV. 41			CG-21378-A TBA-6 17 G 7 (INT) LV & BIAS DC GENERATOR 10/15/36 0.5 KW, 500 V AT 0.55 AMP AND 115 V AT 1.96 AMP, ELECTRICALLY SAME AS 21378 EX- CEPT USES STEEL END SHIELDS, BEARING CAPS, JUNCTION BOX, AND BRASS BRUSH A PART OF CG DWGS WM-6626565, 6626566, 6626567, ALT 3. 3/31/41 5BY111A5 SEE ABOVE OCT. 42		

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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

3.21-22

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
HOLDER. USES IMPROVED BALL BEARINGS.		CG-21378-A	CG-21386	EH-1	17H9D	CPC 21391	GR	
			MOTOR			DYNAMOTOR		
			1/6 HP., 115 VOLT DC, 1.65 AMPS, 1725 RPM, INTERMITTENT DUTY, CAPACITOR MOUNTED IN BELL TO REDUCE INTERFERENCE.			INPUT: 12.35 VOLTS, 27 AMPS DC. OUTPUT 490 VOLTS, 0.430 AMPS DC, 4400 RPM, 50° C INTERMITTANT DUTY.		
			*CG DWG. W-5050257 REV 1.					
			7/17/39 5BC444B1063		*SEE ABOVE & T-5817022 REV 1	8/12/39	SC218 S.S. 949	L-71121 ALT 0
			NOV. 41			NOV. 41		
CBP 21379	NM-13a	61RE21J1516A	CCT 21387	RBM-1,-2		CAE 21392	JKA-48QCH-1	19RE21J1522A
MOTOR GENERATOR SET - SHEET 1			DYNAMOTOR ASSEMBLY; OPERATES FROM 12 VOLTS DC. PROVIDES POWER TO OPERATE THE MEDIUM FREQUENCY AND HIGH FREQUENCY RADIO RECEIVERS CCT-46076 AND CCT-46077, AND POWER FOR THE LM-4 CRYSTAL FREQUENCY INDICATOR. ALSO PROVIDES FOR SWITCHING THE POWER TO THE MF AND HF			MAGNETIC CONTROLLER		17H9D
2 UNIT. CONSISTING OF A -21380 MOTOR GENERATOR AND A -21349 HIGH VOLTAGE GENERATOR.			7/26/39 CAY:P-7708279			4 H.P.; 250(175 TO 335) VOLTS D.C.; FOR STARTING TYPE CBP-21356 MOTOR GENERATOR SETS.		
			AUG. 42					
*CBM DWG 6891 ALT 0.						*CBM DWG 6904 ALT 0.		
5/8/39 CBM:5628E		*SEE ABOVE & CBP DWG 6187				8/28/39 CBM:434AB		*SEE ABOVE & CAE DWG 2886
NOV. 41						NOV. 41		
CBP 21380	NM-13a	61RE21J1516				CAE 21393	*SEE BELOW	19RE21J1519A
DC MOTOR AND DC/AC GENERATOR. MOTOR 100 TO 150 V DC, -AMPS 4 HP, 1800 RPM, DC GEN: 75 VOLTS, 7 AMP FOR GEN. FIELD & POLARIZER. AC GEN: 120 VOLTS, 60 CYCLES, SINGLE PHASE, 5.9 AMP; 708 VA; 92% P.F.			CCT 21387			MOTOR CONTROLLER		17H9D
			RECEIVERS AND FOR SWITCHING AND/OR MIXING THE AUDIO OUTPUTS OF THESE RECEIVERS. SERVES ALSO AS A JUNCTION BOX FOR ALL INTERCONNECTING CABLES. TOTAL INPUT 10.0 AMPS. OUTPUT TO CFI IS 0.63 AMP AT 11.6 VOLTS AND 7 MA AT 205 VOLTS. OUTPUT TO EITHER RECEIVER IS 1.7 AMP AT 11.6 VOLTS AND 67 MA AT 205 VOLTS. VOLTAGE DC			4 H.P.; 175 TO 335 VOLTS D.C.; 14.6 AMPS		
*CBM DWG 6891 ALT 0.								
5/8/39		*SEE ABOVE & CBP DWG 6186				*JKA, 2, 3/QCH-2, 3.		
NOV. 41						9/7/39 CBM:434AD		CAE SPEC 2864
						NOV. 41		
CAE 21381	NM-13a	19RE21J1517A	CAY 21387-A	RBM-5		CC-21394	TBW	
MOTOR CONTROLLER FOR USE WITH TYPE CBP-21379 MOTOR GENERATOR SET.			DYNAMOTOR ASSEMBLY			MOTOR - GENERATOR CONTROL SET. CONSISTING OF A BED PLATE, A CC -21395 AC MOTOR, A CC-21396 AC - DC GENERATOR, A CAY-21397 MAGNETIC STARTER AND A CC-23155 CONTROL BOX.		
			INPUT 12 VOLTS DC, 10 AMPS. OUTPUT: 205 VOLTS, 0.15 AMPS DC. SAME AS NAVY TYPE -21387 EXCEPT USES AN AWS METER IN THE DYNAMOTOR UNIT & NAME PLATE AT THE VARIOUS FUSE LOCATIONS WILL INDICATE THE FUSE RATING RATHER THAN THE FUSE CIRCUIT					
5/20/39	CBM:434AC	CBM DWG 6891	1/12/44			9/12/39		C-26457
NOV. 41		ALT 0	MAR. 44			NOV. 41		
CAE 21382	*SEE BELOW	19RE21J1521A				CC-21395	-21394 TBW	
MAGNETIC CONTROLLER			SYMBOL NUMBERS.			AC MOTOR		
4 HP, 250 (175 TO 335) VOLTS DC, FOR STARTING CBP-21347 MOTOR GENERATOR SET.						3 H.P., 115/230 VOLTS, 38/19 AMPS, SINGLE PHASE, 60 CYCLES, 1750 R.P.M., 40° C CONTINUOUS. WEIGHT 160 LBS.		
Ø CBM DWG 6891 REV 0.						5/12/39	R-225	C-26615 REV 0
*NM-13; QCH-1.						NOV. 41		
6/20/39	CBM:434Z	Ø SEE ABOVE & CAE DWG 2885						
NOV. 41								
CPC 21383	RAP		CAE 21388	MAA	19RE21J1520A	CC-21396	-21394 TBW	
MOTOR - BAND CHANGE. 12 VOLTS, 2-1/2 AMP DC (NO LOAD), REVERSIBLE FOR OPERATING OVER TEMPERATURE RANGE OF + 65° C TO -40° C 2.4 AMP FULL LOAD, 12 VOLTS. 6000 RPM, INTERMITTENT DUTY.			HOIST CONTROLLER			AC - DC GENERATOR		
			2-1/2 HP, 115 VOLT, 3 PHASE, 60 CYCLES, FOR USE WITH NAVY TYPE -21389 HOIST MOTOR.			115 VOLTS; 8.7 AMPS, 800 CYCLES, SINGLE PHASE, 1000 WATTS, AND 14 VOLTS, 20 AMPS DC; 3440 R.P.M.; 40° C CONTINUOUS. WEIGHT 40 LBS.		
6/24/39	BX100-M-988	CRR:C-55590A						
NOV. 41			8/8/39	CBM:565F	CBM DWG SK-3868	9/12/39	AC-15	C-26614 REV 0
			NOV. 41		ALT 1	NOV. 41		
CPC 21384	RAP		CBP 21389	MAA	61RE21J1518A	CAY 21397	-21394 TBW	
DYNAMOTOR			HOIST MOTOR WITH MAGNETIC BRAKE. 2.5 HP, 115 VOLTS, 3 PHASE, 60 CYCLE, 19.5 AMP, 1750 RPM, 30 MINUTE DUTY.			MAGNETIC CONTROLLER		
INPUT: 14 VOLTS DC., 3.3 AMPS; OUTPUT: 250 VOLTS DC, 0.100 AMPS, 4200 R.P.M. TEMPERATURE RISE 40° C CONTINUOUS, MAX NO LOAD VOLTAGE 295.						3 H.P., 115/230 VOLTS, SINGLE PHASE, 60 CYCLES FOR NAVY TYPE CC-21395 MOTOR; WEIGHT 12 LBS.		
6/24/39	PS150S.S-989	CRR:C55834						
NOV. 41			8/9/39	BF518	CBP DWG. 6319	9/12/39	TYPE DN	C-26612 REV 0
			NOV. 41	CBM TYPE 546-640		NOV. 41	S#975892	
CG-21385	CRV-78091		CRR 21390	GR		CAE 21398	*SEE BELOW	19RE21J1523A
SYNCHRONOUS MOTOR			DYNAMOTOR & FILTER UNIT			MAGNETIC CONTROLLER		*SEE BELOW
110 VOLT, 60 CYCLES, 40 INCH-OUNCE, 75 RPM; USES TYPE -481030 CAPACITOR FOR STARTING.			INCLUDES A -21391 DYNAMOTOR.			4 H.P., 440 VOLTS, 3 PHASE, 60 CYCLES FOR STARTING NAVY TYPE CBP-21350 MOTOR GENERATOR SETS.		
*CG:10RE78J1199, SHEET 5A						** 17C10 (INT) 15 FEB 1936.		
*CRV DWG. W-503207 SHEET 3 REV 0						*NM-12; QCH-1; QCK-1.		
6/9/39	SCYSON18	*SEE ABOVE	8/12/39		L-71079 ALT 0	9/15/39	CBM:434AA	CAE DWG. 2884
MAR. 44			NOV. 41			NOV. 41		

Class 21—Electrical Machines

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CC-21399	EJ	17G7(INT) 10-15-36	CAY 21407	TBK-9	17G7(INT) 3/1/39			
DYNAMOTOR INPUT: 12 VOLTS AT 7.4 AMPS; OUTPUT: 500 VOLTS AT 0.065 AMPS; 32.5 WATTS; 5200 R.P.M.; FOR OPERATION FROM 11.5 VOLTS AT 7 AMPS. CAPACITORS MOUNTED IN BELL TO REDUCE INTERFERENCE. (ORIGINAL- LY ASSIGNED -21265A) 7/18/39 6BY3243 CC DWG. JUNE 42 W-5050256 REV 6			HV DC GENERATOR (SEPARATE COMPOUND WINDINGS). 2000/3000 VOLTS DC; 0.75/0.35 AMPS; 2.55 KW; 1750 RPM AC DRIVE; 1800 RPM DC DRIVE; CONTINUOUS DUTY; 275 VOLTS DC EXCITATION *30-J-193 ALT 0. 10/27/39 X284SK *SEE ABOVE & NOV. 41 30-J-194 ALT 0			4 AMPS DC; SELF EXCITED FROM 21413 THE 14 VOLT DC WINDING.		
21400	RAT		CAY 21408	TBK-9	17-C-17(INT) 3/1/39	CC-21414	TCE	
RECEIVER DYNAMOTOR UNIT: INPUT 11 TO 15 (1A) VOLTS, 2.2 AMPS DC. OUTPUT 250 VOLTS, 60 MA DC. ITEMS SUP- PLIED WITH CBY PREFIX INCLUDES A CC TYPE DM-310 DYNAMOTOR. ITEMS SUPPLIED WITH CM PREFIX INCLUDES CAY STYLE # DYNAMOTOR 10/25/39 CBY:DM-310 CBY:25926-MS- JULY 43 CM: 6328			LV AND BIAS GENERATOR (SEPARATE COMPOUND WINDINGS). 275/1000 VOLTS DC; 1.3/0.075 AMPS; 455 WATTS; 1750 RPM AC DRIVE; 1800 RPM DC DRIVE; CONTINUOUS DUTY; SELF EXCITED. *30-J-191 ALT 0 10/27/39 X204SK *SEE ABOVE & NOV. 41 30-J-192 ALT 0			MOTOR-GENERATOR UNIT. 2 UNIT, 3 BEARING TYPE; MOTOR RATED 32 VOLTS, 44 AMPS DC; 1.5 HP, 3430 RPM WITH SPEED REGULATOR; 40° C CONTINUOUS; COMPOUND WOUND. REMOVABLE GENERATOR RATED; 120 VOLTS, 6-2/3 AMPS, 800 CYCLES, SINGLE PHASE, 800 WATTS, AND 11/13/39 C-26747 11/3/39 NOV. 41		
CAY 21401	TBK-9		CAY 21409	TBK-9	17M9D			
MOTOR GENERATOR SET 115 VOLTS DC SUPPLY CONSISTING OF BED PLATE AND TYPES CAY-21404 DC MOTOR, CAY-21407 HV GENERATOR AND CAY-21408 LV & BIAS GENERATOR. 10/27/39 30-J-198 ALT 0 NOV. 41			MAGNETIC CONTROLLER 115 V DC; 5 HP; DRIP PROOF; SEMI- AUTOMATIC. 10/28/39 CAY DWG. NOV. 41 24-J-932 ALT 0			14 VOLTS 4 AMPS DC; SELF 21414 EXCITED FROM THE 14 VOLT DC WINDING.		
CAY 21402	TBK-9		CAY 21410	TBK-9	17N9D	CC-21415	TCE	
MOTOR GENERATOR SET. 230 VOLTS DC SUPPLY CONSISTING OF BED PLATE AND TYPES CAY-21405 DC MOTOR, CAY-21407 HV GENERATOR AND CAY-21408 LV & BIAS GENERATOR. 10/27/39 30-J-107 ALT 0 NOV. 41			MAGNETIC CONTROLLER 230 V DC; 5 HP; DRIP PROOF; SEMI- AUTOMATIC. 10/28/39 CAY DWG. NOV. 41 24-J-933 ALT 0			MOTOR-GENERATOR UNIT. 2 UNIT, 3 BEARING TYPE; MOTOR RATED 120 VOLTS; 11.7 AMPS; 1.5 HP; 3430 RPM WITH SPEED REGULATOR; 40° C CONTINUOUS; COMPOUND WOUND. REMOVABLE GENERATOR RATED; 120 VOLTS, 6-2/3 AMP, 800 CYCLES SINGLE PHASE, 800 WATTS; & 14 VOLTS, 4 11/13/39 C-26747 11/3/39 NOV. 41		
CAY 21403	TBK-9		CAY 21410-A					
MOTOR GENERATOR SET 220/440 VOLTS 60 CYCLE, THREE PHASE SUPPLY, CONSISTING OF BED PLATE AND TYPES CAY-21406 AC MOTOR, CAY-21407 HV GENERATOR AND CAY-21408 LV & BIAS GENERATOR. 10/27/39 30-J-110 ALT 0 NOV. 41			MAGNETIC CONTROLLER CANCELLED. USE CAY-21710. NOV. 41			AMPS DC; SELF EXCITED FROM 21415 THE 14 V DC WINDING.		
CAY 21404	TBK-9	17N9D	CAY 21411	TBK-9	17C10A	CC-21416	TCE	
DC MOTOR 115 VOLTS DC; 46 AMP; 5 HP; 1800 RPM; CONTINUOUS DUTY; 535 WATTS, 81 VOLTS. 60 CYCLES AC FROM COLLECTOR RINGS; SHUNT WOUND FIELD. *30-J-196 ALT 0 10/27/39 X254SK *SEE ABOVE & NOV. 41 30-J-197 ALT 0			MAGNETIC CONTROLLER 220/3/60; 5 HP, 13.8 AMPS FULL LOAD; 116 AMPS STARTING OR LOCKED ROTOR; STARTING PF .60; DRIP PROOF; SEMI-AUTOMATIC. 10/28/39 CAY DWG. NOV. 41 24-J-930 ALT 0			MOTOR-GENERATOR UNIT. 2 UNIT, 3 BEARING TYPE; MOTOR RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES; 18 AMP, 1.5 HP; 3430 RPM; 40° C CONTINUOUS; REPULSION START INDUCTION. REMOVABLE GENERATOR RATED: 120 VOLTS, 6-2/3 AMPS 800 CYCLES, SINGLE PHASE, 800 WATTS; AND 11/13/39 C-26747 11/3/39 NOV. 41		
CAY 21405	TBK-9	17N9D	CAY 21412	TBK-9	17C10A			
DC MOTOR 250 VOLT DC; 23 AMPS; 5 HP; 1800 RPM; CONTINUOUS DUTY; 535 WATTS, 162 VOLTS, 60 CYCLES AC FROM COLLECTOR RINGS; SHUNT WOUND FIELD. *30-J-106 ALT 0. 10/27/39 X254SK *SEE ABOVE & NOV. 41 30-J-106 ALT 0			MAGNETIC CONTROLLER 440/3/60; 5 HP; 6.9 AMPS FULL LOAD; 58 AMPS STARTING OR LOCKED ROTOR; STARTING PF .47; DRIP PROOF; SEMI-AUTOMATIC. 10/28/39 CAY DWG. NOV. 41 24-J-931 ALT 0			14 VOLTS 4 AMPS DC; SELF 21416 EXCITED FROM THE 14 VOLT DC WINDING.		
CAY 21406	TBK-9	17M10	CC-21413	TCE		CAY 21417	TCE	
SQUIRREL CAGE INDUCTION MOTOR, 5 HP, CONTINUOUS DUTY; 220/440 VOLTS, 3 PHASE, 60 CYCLES, 1800 RPM, 1700 RPM FULL LOAD. 10/27/39 (CS) FRAME CAY DWG. NOV. 41 SD 254 24-J-721 ALT			MOTOR-GENERATOR UNIT. 2 UNIT, 3 BEARING TYPE; MOTOR RATED 24 VOLTS, 58.5 AMPS DC; 1.5 HP; 3430 RPM WITH SPEED REGULATOR; 40° C CONTINUOUS; COMPOUND WOUND. REMOVABLE GENERATOR RATED 120 VOLTS, 6-2/3 AMPS, 800 CYCLES, SINGLE PHASE; 800 WATTS; AND 14 VOLTS, 11/13/39 C-26747 11/3/39 NOV. 41			MAGNETIC CONTROLLER. RATED; 1.5 HP; FOR OPERATION FROM 24 VOLTS DC. SAME AS -21234A EXCEPT FOR ELECTRICAL RATINGS. 11/13/39 31-J-119 SUB 3 NOV. 41		

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 21418 TCE MAGNETIC CONTROLLER. RATED: 1.5 HP. FOR OPERATION FROM 32 VOLTS DC. SAME AS -21234A EXCEPT FOR ELECTRICAL RATINGS.	11/13/39 NOV. 41	31-J-118 SUB 3	CAY 21425 TBL-5 MAGNETIC CONTROLLER. FOR STARTING NAVY TYPE CC-21428 MOTOR GENERATOR SET. RATED 3.5 HP; FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLES.	11/29/39 NOV. 41	31-J-137 SUB 2	CC-21428-A TBL-6 MOTOR GENERATOR SET; FOR 440/3/60 SUPPLY. CONSISTS OF A BED-PLATE, ACCESSORIES AND A TYPE CC-212318 DRIVING MOTOR, TYPE CC-21232A HV DC GENERATOR AND A TYPE CC-21233B LV & BIAS GENERATOR. SAME AS CC-21428 EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. 10/7/41 MAR. 42	10/7/41 MAR. 42	C-29707 348 0
CAY 21419 TCE MAGNETIC CONTROLLER. RATED: 1.5 HP. FOR OPERATION FROM 120 VOLTS DC. SAME AS -21234A EXCEPT FOR ELECTRICAL RATINGS.	11/13/39 NOV. 41	31-J-117 SUB 3	CC-21426 TBL-5 MOTOR-GENERATOR SET. 115 VOLT DC SUPPLY. CONSISTS OF A BED-PLATE AND A TYPE CC-21229A MOTOR, A TYPE CC-21232 HV GENERATOR & A TYPE CC-21233 LV & BIAS GENERATOR.	11/29/39 NOV. 41	C-29708 4/5/41	CC-21426-A TBL-6 MOTOR GENERATOR SET; FOR 115 V DC SUPPLY. CONSISTS OF BED-PLATE, ACCESSORIES, AND A TYPE CC-21229B DRIVING MOTOR, TYPE CC-21232A HV DC GENERATOR, AND A TYPE CC-21233B LV & BIAS GENERATOR. SAME AS CC-21426 EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. 10/7/41 MAR. 42	12/1/39 AA NOV. 41	BUL. 2111 AUG. 1939
CAY 21420 TCE MAGNETIC CONTROLLER. RATED: 1.5 HP. FOR OPERATION FROM 115 VOLTS, SINGLE PHASE, 60 CYCLES. SAME SIZE AS -21236; HAS NO DOOR INTERLOCKS.	11/13/39 NOV. 41	31-J-121 SUB 3	MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING TYPE.	11/20/39 NOV. 41	M-420744 REV 1	CC-21426-A TRICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING TYPE.	12/1/39 AA NOV. 41	BUL. 2111 AUG. 1939
CRY 21421 DZ DYNAMOTOR - FILTER UNIT. CONSISTS OF NAVY TYPE CEK-21469 DYNAMOTOR UNIT AND A SUITABLE FILTER.	11/20/39 NOV. 41	M-420744 REV 1	CC-21427 TBL-5 MOTOR-GENERATOR SET. 230 VOLT DC SUPPLY CONSISTS OF A BED-PLATE AND A TYPE CC-21230A MOTOR, A TYPE CC-21232 HV GENERATOR AND A TYPE CC-21233 LV AND BIAS GENERATOR.	11/20/39 NOV. 41	M-420744 REV 1	CC-21427-A TBL-6 MOTOR GENERATOR SET; FOR 230 V DC SUPPLY. CONSISTS OF BED-PLATE, ACCESSORIES, AND A TYPE CC-21230B DRIVING MOTOR, TYPE CC-21232A HV DC GENERATOR, AND A TYPE CC-21233B LV & BIAS GENERATOR SAME AS CC-21427 EXCEPT FOR SUBSTITUTION OF STEEL FOR CAST IRON. 10/7/41 MAR. 42	12/6/39 NOV. 41	B13500B ALT 2
CC-21423 TCD MOTOR-GENERATOR UNIT TWO BEARING. PROVISIONS FOR EXCHANGING MOTOR ROTOR & STATOR ASSEMBLY TO PERMIT AC OPERATION. MOTOR RATED 3/4 HP, 230 VOLTS DC, 3.5 AMP, 3450 RPM. GENERATOR RATED: 425 V AT 0.58 A; 115 V AT 0.125 * 17N9D & 17C7(1H1) 10-15-36. 11/28/39 5LY57AB7 NOV. 41	11/20/39 NOV. 41	M-420744 REV 1	MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING TYPE.	CC-21427 AMP AND 15.6 VOLTS AT 10 AMPS. 3450 RPM.	21423	CC-21427-A TRICALLY INTERCHANGEABLE AS A UNIT AS WELL AS FOR PARTS. USES SINGLE ROW RADIAL BEARINGS INSTEAD OF SELF-ALIGNING TYPE.	12/14/39 DEC. 41	5207
CC-21424 TCD MAGNETIC CONTROLLER FOR STARTING NAVY TYPE CC-21423 MOTOR GENERATOR UNIT. RATED 3/4 HP, 230 VOLTS DC.	11/28/39 NOV. 41	CC DWG. 11K867 REV 0	CC-21428 TBL-5 MOTOR GENERATOR SET; 220/440 VOLTS, 3 PHASE, 60 CYCLES SUPPLY CONSISTS OF A BED-PLATE AND A TYPE CC-21231A MOTOR, A TYPE CC-21232 HV GENERATOR AND A TYPE CC-21233 LV AND BIAS GENERATOR.	11/28/39 NOV. 41	CC DWG. 11K867 REV 0	CC-21428 AMP AND 15.6 VOLTS AT 10 AMPS. 3450 RPM.	12/14/39 NOV. 41	5207
		ASSIGNED ISSUED			ASSIGNED ISSUED			
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

Class 21—Electrical Machines

3.21-25

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CC-21435 YE			CAY 21443 TBU, -1, 2	17M17(INT)		CBP 21450A	*SEE BELOW	
MOTOR-GENERATOR SET FOR 440 VOLT, 3 PHASE, 60 CYCLE SUPPLY; CONSISTS OF BED PLATE AND TYPES CC-21437 MOTOR AND CC-21438 GENERATOR.			DC MOTOR 9/1/40			MOTOR GENERATOR: CONSISTS OF BEDPLATE AND NAVY TYPE -21451A; DC MOTOR AND NAVY TYPE -21452A AC GENERATOR. WEIGHT 1255 LBS. SIMILAR TO -21450 EXCEPT THAT MALLEABLE IRON IS USED FOR END BELLS, TERMINAL BOXES AND R4SF. * ACCESSORY FOR QCJ-8, QCL-9		
12/20/39 NOV. 41	CRY:K-855836 SUB 0		*CAY DWGS 33-J-208 SUB 1, 33-J-209 SUB 2			5/1/42 CBM:553-U53 CBM:60199 ALT 3		
			JUNE 42 FRAME X-254			AUG. 43 CBM:562 BH		
CC-21436 YE		17M9(INT)	CAY 21444 TBU, -1.2.	17M10(INT)		CBP 21451	CBP-21450 61RE21J1527A	
DC MOTOR 11/15/39			AC MOTOR 9/15/40			DC MOTOR 12 HP, 100 TO 130 VOLTS DC WITH GOVERNOR TO MAINTAIN CONSTANT SPEED OF 1800 RPM.		
3 HP; 230 VOLTS DC; 1750 RPM; SHUNT WOUND; 40° C CONTINUOUS, WITH SLIP RINGS TO PROVIDE 115 VOLTS, 60 CYCLES, SINGLE PHASE 550 YA.			6 HP; 220/440 VOLTS, 3 PHASE, 60 CYCLES 1750 RPM; LEADS ARRANGED FOR 220 OR 440 VOLT CONNECTION AS DESIRED 40° C CONTINUOUS.					
12/20/39 NOV. 41			1/9/40 TYPE CS CAY DWG. 33-J-216 SUB 2			1/19/40 NOV. 41		
CC-21437 YE		17M10A	CAY 21445 TBU 1, 2, 3.	17G7(INT)		CBP 21451A	CBP-21450A	
AC MOTOR 3 HP; 220/440 VOLTS, 3 PHASE, 60 CYCLES; 1750 RPM; SQUIRREL CAGE INDUCTION MOTOR 40° C CONTINUOUS.			LV & BIAS DC GENERATOR. 3/1/39			DC MOTOR: 12 HP, 100 TO 130 VOLTS DC, WITH GOVERNOR TO MAINTAIN CONSTANT SPEED OF 1800 RPM. SIMILAR TO -21451 EXCEPT THAT MALLEABLE IRON IS USED FOR END BELLS, TERMINAL BOXES AND BASES.		
12/20/39 NOV. 41			DOUBLE COMMUTATOR TYPE: 1000 VOLTS, 0.30 AMPERE DC AND 230 VOLT 0.5 AMPERE DC; 1750 TO 1800 RPM, 40° C CONTINUOUS 230 VOLT WINDING USED TO EXCITE ITS OWN FIELD AND ALSO FOR FIELD OF TYPE -21446 GENERATOR.			5/1/42 CBM:562BH CBM:SK-5616 ALT 0		
			1/9/40 TYPE SK 33-J-206 SUB 1					
			NOV. 41 FRAME X-204 33-J-207 SUB 2					
CC 21438 YE		17G7 (INT)	CAY 21446 TBU, 1, 2; 3	17G7(INT)		CBP 21452	CBP-21450 61RE21J1527A	
DC GENERATOR: DOUBLE 3/1/39			HV DC GENERATOR. 3/1/39			AC GENERATOR 440 VOLTS, 3 PHASE, 60 CYCLES, 7.5 KVA 9.8 AMPS, 1800 RPM. 100 TO 130 VOLT FIELD.		
ARMATURE TYPE, ONE ARMATURE TO DELIVER 750 V AT 1.3 AMPS DC AND CAPABLE OF BEING VARIED FROM 350 TO 850 V BY MEANS OF A FIELD RHEOSTAT. THE OTHER ARMATURE TO DELIVER 250 V AT .5 AMP IN ADDITION TO CURRENT REQUIRED FOR FIELD WINDINGS.			2300 VOLTS, 1.13 AMP DC, 2.60 KW, 1750 TO 1800 RPM; 40° C CONTINUOUS; SEPARATELY EXCITED FROM 230 VOLTS DC.					
12/20/39 NOV. 41			*CAY DWG. 33-J-204 SUB 2			1/19/40 NOV. 41		
			1/9/40 TYPE SK *SEE ABOVE & 33-J-205 SUB 1					
CAE 21439 YE		17M9(INT)	CAY 21447 TBU, TBU-1.2			CBP 21452A	CBP-21450A	
MAGNETIC CONTROLLER 11/15/39			MOTOR-GENERATOR UNIT.			AC GENERATOR: 440 VOLTS 3 PHASE, 60 CYCLES, 7.5 KVA, 9.8 AMPS, 1800 RPM, 100 TO 130 VOLT FIELD. SIMILAR TO -21452 EXCEPT THAT MALLEABLE IRON IS USED FOR END BELLS, TERMINAL BOXES AND BASE.		
DC(TWO WIRE TYPE). 3 HP; FOR OPERATION FROM 230 VOLTS DC; FOR CONTROLLING CC-21434 MOTOR GENERATOR UNIT.			230 VOLTS DC SUPPLY; CONSISTS OF BED PLATE, TYPE -21443 MOTOR, TYPE -21445 LV & BIAS GENERATOR AND TYPE -21446 HV GENERATOR.			5/1/42 CBM:562BH CBM:SK-5617 ALT 0		
12/20/39 NOV. 41	CRY DWG. K-855837 SUB 0		1/9/40 NOV. 41					
			33-J-212 SUB 1					
CAE 21440 YE		17C10A	CAY 21448 TBU, TBU-1.2			CAE 21453	* SEE BELOW 19RE21J1526A	
MAGNETIC CONTROLLER - AC (TWO WIRE TYPE). 3 HP; OPERATING VOLTAGE 115 VOLTS, SINGLE PHASE, 60 CYCLES; FOR CONTROLLING TYPE CC-21435 MOTOR GENERATOR UNIT WHICH OPERATES FROM 440 VOLTS, 3 PHASE, 60 CYCLES.			MOTOR-GENERATOR UNIT. 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY; CONSISTS OF BED PLATE AND TYPE -21444 MOTOR, TYPE -21445 LV & BIAS GENERATOR AND TYPE -21446 HV GENERATOR.			MAGNETIC CONTROLLER 12 HP, 100 TO 130 VOLT DC FOR CONTROLLING NAVY TYPE -21451 DC MOTOR.		
12/20/39 NOV. 41			1/9/40 NOV. 41			* ACCESSORY TO QCJ-3, QCL-1 & QCL-2. 1/19/40 CBM:434AE NOV. 41		
			33-J-214 SUB 1					
CBY 21441 RU-12			CAY 21449 TBU, TBU-2	17C10(INT)		CBY 21454	RU-14	
DYNAMOTOR - FILTER UNIT DYNAMOTOR UNIT SUPPLIED BY CONTINENTAL ELECTRIC CO. FOR OPERATION FROM 24 TO 28 VOLT DC SUPPLY.			MAGNETIC CONTROLLER 11/1/40			DYNAMOTOR - FILTER UNIT. INPUT: 28 VOLTS, 4 AMPS DC; OUTPUT: 425 VOLTS, 0.165 AMP DC.		
1/6/40 NOV. 41			6 HP; 440 VOLTS, 3 PHASE, 60 CYCLE, SUPPLY; DRIP PROOF, SEMI-AUTOMATIC.			2/28/40 NOV. 41		
			1/9/40 AUG. 42					
			CAY:33-J-723 SUB 3					
CDF 21442 GS			CBP 21450 * SEE BELOW	61RE21J1527A		CW 21454A	RU-17	
DYNAMOTOR - FILTER UNIT INPUT: 13 VOLTS AT 15 AMPS DC; OUTPUT: 500 VOLTS AT 250 MA DC; 15 LBS.			MOTOR GENERATOR CONSISTING OF BED PLATE AND NAVY TYPE -21451 DC MOTOR AND TYPE -21452 AC GENERATOR. WEIGHT 1110 LBS.			DYNAMOTOR FILTER UNIT: INPUT 28 V, 4 AMPS DC. OUTPUT 425 V, .165 AMP DC. DYNAMOTOR UNIT MANUFACTURED BY ECLIPSE AVIATION CORP. SAME AS-21454 EXCEPT THAT RESISTOR, WHOSE CIRCUIT SYMBOL IS 151, IS 140 OHMS INSTEAD OF 105 OHMS. RESISTORS SAME PHYSICAL SIZE AND SHAPE. 10/29/41 CBY:6564-4-A		
1/7/40 NOV. 41	Q-177	Q-177 OF 12-28-39	* ACCESSORY TO QCJ-3, QCL-1 & QCL-2. 1/19/40 CBM:562BH JUNE 42			MAR. 42		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21455	TAJ-9		CG-21462	TAJ-8	17M9D	CBP 21470	JL-9	61RE21J1529A
MAGNETIC CONTROLLER. 440 VOLTS, 3 PHASE, 60 CYCLES; 4 HP. IDENTICAL TO NAVY TYPE CG-21374 EXCEPT FOR FUSES AND OVERLOAD RELAY HEATER UNITS AS REQUIRED BY THE CHANGE IN HP RATING. Ø CG:11K1024 SHEET 1, REV 8, SHEET 2 3/1/40 REV 7. MAR. 43 Ø SEE ABOVE			DC MOTOR 230 VOLT AMPS DC, 4 HP; 1800 RPM; 40° C CONTINUOUS.			DYNAMOTOR INPUT: 60 WATTS, 10 AMPS AT 6 VOLTS DC; OUTPUT: 350 VOLTS AT 0.09 AMPS DC. 3500 RPM.		
			3/8/40 NOV. 41			5/3/40	CBM TYPE 806-3.	CBP DMC. NOV. 41 JBX3 6727 REV 0.
CG-21456	TAJ-9		CG-21463	TAJ-8	17M10(INT)	CAE 21471	QCN	19RE21J1530A
MOTOR GENERATOR SET: 220/440 V, 3 PHASE 60 CYCLES, CONSISTS OF BEDPLATE AND NAVY TYPES CG-21296 4-HP MOTOR, CG-21297 HV DC GENERATOR AND CG- 21298 LV & BIAS DC GENERATOR.			AC MOTOR 220/440 VOLT, 11/5.5 AMPS, 3 PHASE, 60 CYCLE, 4 HP, 1750 RPM, 40° C CONTINUOUS.			MAGNETIC CONTROLLER 4 HP, 90 TO 160 VOLTS DC FOR USE WITH TYPE CBP-21472 MOTOR GENERATOR UNIT.		
3/1/40 APR. 42			3/8/40	5K254B1254		6/19/40	CBM:434AH	CAE DMC 3252 NOV. 41
			NOV. 41	TYPE K				
CG 21456A	TAJ-10	17 M 10A	CG-21464	TAJ-8	17G7(INT)	CBP 21472	QCN	61RE21J1531A
MOTOR GENERATOR SET: 220/440 V, 3 PHASE, 60 CYCLES, CONSISTS OF BEDPLATE AND NAVY TYPES CG-21296A MOTOR, CG-21297A GENERATOR, CG-21298A GENERATOR, SAME AS -21456 EXCEPT FOR STEEL END BRACKETS INSTEAD OF IRON. ØCG:WH-6626562 REV 3;CG:M-6629919 REV 1 2/18/41 15A129 ØSEE ABOVE APR. 42			HY DC GENERATOR 1500/1500 VOLTS, 0.65/0.4 AMPS DC; 1.575 KW; 1750 RPM AC DRIVE, 1800 RPM DC DRIVE; 40° C CONTINUOUS.			MOTOR-GENERATOR, SINGLE UNIT (TRAINING CONTROL). MOTOR: 90 TO 160 VOLTS DC, 41 TO 23 AMPS; 4 HP; 1800 RPM; GENERATOR: 250 TO 10 VOLTS DC, 8 AMPS; 2 KW.		
			3/8/40	5BY13444		6/21/40	F51.5/F50	CBP DMC. 6828 NOV. 41 CBM TYPE 7746
			NOV. 41					
CG-21457	TAJ-8	17M9D	CG-21465	TAJ-8	17G7(INT)	CBP 21473	QCN	61RE21J1532A
MAGNETIC CONTROLLER RATED 4 HP, 115 VOLTS DC.			LV & BIAS DC GENERATOR 600/250 VOLTS, 0.2/1.1 AMPS DC; 0.395 KW 1750 RPM AC DRIVE; 1800 RPM DC DRIVE; 40° C CONTINUOUS.			DC MOTOR (TRAINING CONTROL) 250 TO 10 VOLTS DC; 1 HP AT 1000 RPM WITH 3 AMPS SEPARATE EXCITATION FROM 90 TO 160 VOLTS DC.		
3/8/40 NOV. 41	CG DMC 11K1201 ALT 2		3/8/40	5BY111A3		6/21/40	F42D	CBP DMC 6829 NOV. 41 CBM TYPE 776-78
			NOV. 41					
CG-21458	TAJ-8	17M9D	CG-21466	TAJ-8		CG 21474	NM-14	17G8 & 17M9D
MAGNETIC CONTROLLER RATED 4 HP, 230 VOLTS DC, SAME AS NAVY TYPE CG-21457 EXCEPT FOR LINE STARTING RESISTOR VALUES, COIL VOLTAGES AND FUSES			MOTOR-GENERATOR UNIT. 115 VOLTS DC SUPPLY; CONSISTS OF BED PLATE AND NAVY TYPES CG-21461 DC MOTOR, CG-21464 HV DC GENERATOR & CG-21465 LV & BIAS DC GENERATOR.			MOTOR GENERATOR SET: 3 UNIT (POWER). INPUT 100 TO 150 VOLTS, 26 AMPS DC, OUTPUT 1.2 KW (90% PF) AT 440/3/60. CONSISTS OF BEDPLATE, ACCESSORIES AND ONE EACH OF THE FOLLOWING UNITS: TYPE CG-21475 DC MOTOR, TYPE CG-21476 AC GEN- ERATOR AND CC-21477 EXCITER. 6/25/40 CBM:50866A CC:N-27819 MAR. 44 CBM:816 67RE21J1607A		
3/8/40 NOV. 41	CG DMC 11K1200 AL. 2		3/8/40 OCT. 42	CG:WH-6618376 REV 3				
CG-21459	TAJ-8	17C10(INT)	CG-21467	TAJ-8		CG-21475	NM-14	17M9D
MAGNETIC CONTROLLER RATED 4 HP; 220 VOLT, 3 PHASE, 60 CYCLES 11 AMPS.			MOTOR-GENERATOR UNIT 230 VOLTS DC SUPPLY; CONSISTS OF BED PLATE & NAVY TYPES CG-21462 DC MOTOR, CG-21464 HV DC GENERATOR & CG-21465 LV & BIAS DC GENERATOR.			DC MOTOR 100 TO 130 VOLTS, 26 AMPS DC; 3-1/4 HP; 1800 RPM; 40° C CONTINUOUS. A UNIT OF TYPE CG-21474 MOTOR-GENERATOR SET.		
3/8/40 NOV. 41	CG DMC. 11K1001 ALT 2		3/8/40 OCT. 42	CG:WH-6618196 REV 3		6/25/40	D225X	CC SPEC C-27891 NOV. 41
CG-21460	TAJ-8	17C10(INT)	CG-21468	TAJ-8		CG-21476	NM-14	17G8
MAGNETIC CONTROLLER RATED 4 HP; 440 VOLT, 3 PHASE, 60 CYCLES 5.5 AMPS; SAME AS NAVY TYPE CG-21459 EXCEPT FOR RESISTANCE OF THERMAL OVER- LOAD RELAY, FUSES AND MODIFIED LINK CONNECTION ON CONTROL TRANSFORMERS.			MOTOR GENERATOR UNIT: 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY CONSISTS OF BED PLATE AND NAVY TYPES CG-21463 AC MOTOR, CG-21464 HV DC GENERATOR, CG-21465 LV & BIAS DC GENERATOR. Ø CG:WH-5541544 REV 7;CG:M-5541545 REV 1 3/8/40 Ø SEE ABOVE OCT. 42			AC GENERATOR 1.2 KW AT 440/3/60; WITH 75 VOLTS EXTERNAL EXCITATION. A UNIT OF TYPE CG-21476 MOTOR-GENERATOR SET.		
3/8/40 NOV. 41	CG DMC. 11K1000 ALT 2					6/25/40	DS-225X	CC SPEC C-27892 NOV. 41
CG-21461	TAJ-8	17M9D	CEK 21469	DZ		CG-21477	NM-14	17M9D
DC MOTOR 115 VOLTS, AMPS DC, 4 HP; 1800 RPM; 40° C CONTINUOUS.			DYNAMOTOR INPUT: 13.8 VOLTS, 2.45 AMPS DC. OUTPUT: 220 VOLTS .07 AMPS DC, 4600 RPM			DC GENERATOR (EXCITER) 0.6 KW AT 75 VOLTS DC; A UNIT OF TYPE CG-21474 MOTOR-GENERATOR SET.		
3/8/40 NOV. 41			4/3/40 NOV. 41		CRV:M-420733 REV 3	6/25/40	D-204X	CC SPEC C-27893 NOV. 41

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBX 21478	QCJ-28QCL		CPG 21436	YD		CBP 21494	TBT	17G7(INT)
SYNCHRONOUS CAPACITY TYPE MOTOR(FREQUENCY SWEEP). 1/75 HP; 110 VOLTS, SINGLE PHASE, 60 CYCLES; 1800 RPM CLOCKWISE ROTATION; AS VIEWED FROM SHAFT END; BALL BEARINGS; CONTINUOUS OPERATION			ROTARY CONVERTER 150 TO 200VA; 3600RPM; INPUT: 12 VOLTS, 24 AMP DC; OUTPUT: 115/1/60 1.3 AMPS (CONTINUOUS DUTY) TO 1.74 AMP (INTERMITTENT DUTY) 55°C CONTINUOUS; 0.8 PF; WEIGHT 66 LBS.			GENERATOR 3/1/39 17G8A 0.560 KVA; 435 VOLTS AT 0.81 AMP DC, COMPOUND WOUND; 275 VOLTS AT 0.3 AMP DC, SHUNT WOUND AND 115 VOLTS, 60 CYCLES AT 1.1 AMP AND 90% PF, SHUNT WOUND; 40° C CONTINUOUS; 50° C RISE.		
7/11/40	2270	CRV:M-303241-4	9/24/40		CDE:2681	10/8/40	MG-353	CBP DWG.
NOV. 41		REV -	DEC. 44		REV 0	NOV. 41		6023 ALT 2
CAJ 21479	QCJ-28QCL		CG-21487	TBC-3		CBP 21495	TBT	17G7, 17C8 &
SYNCHRONOUS, CAPACITY TYPE MOTOR(INDICATOR). 1/75 HP; 110 VOLT, SINGLE PHASE, 60 CYCLES; 1800 RPM BALL BEARINGS; 50° C CONTINUOUS; CLOCKWISE ROTATION AS VIEWED FROM SHAFT END.			BLOWER MOTOR 1/30 HP; 230 VOLTS SINGLE PHASE, 60 CYCLES, 1725 RPM FULL LOAD, 40° C CONTINUOUS.			MOTOR-GENERATOR SET 17M9 FOR 115 VOLTS DC SUPPLY, CONSISTS OF ACCESSORIES, A BED PLATE NAVY TYPE CBP-21491 MOTOR & NAVY TYPE CBP-21494 GENERATOR.		
*CRV:M303047-7	REV -	CAJ DWG 35710C.	9/27/40	5KH23AC87	T-5817058	10/8/40	LS-MG-353	CBP DWG.
7/11/40	RBC3716	*SEE ABOVE	NOV. 41		REV 2	NOV. 41		6023 ALT 2
NOV. 41			CAO 21488	TBT	17M9(INT)	CBP 21496	TBT	17G7, 17C8
CAE 21480	NM-14	19RE21Z1533A	MAGNETIC CONTROLLER 115 VOLTS DC SUPPLY.			MOTOR-GENERATOR SET 17M9 FOR 230 VOLTS DC SUPPLY - CONSISTS OF ACCESSORIES, BED PLATE NAVY TYPE CBP-21492 MOTOR AND NAVY TYPE CBP-21494 GENERATOR.		
MAGNETIC CONTROLLER RATED 3.25 HP, 115(100 TO 130) VOLTS DC FOR USE IN STARTING NAVY TYPE CC-21474 MOTOR-GENERATOR.			10/7/40		11/15/39	10/8/40		CBP DWG.
9/9/40	CBM:434AG	CAE DWG.	NOV. 41			NOV. 41		6023 ALT 2
NOV. 41		3230 ALT 0	CAO 21489	TBT	17M9(INT)	CBP 21497	TBT	17G7 & 17C8
CBP 21481	JK-8	61RE21J1534A	MAGNETIC CONTROLLER 230 VOLTS DC SUPPLY.			MOTOR-GENERATOR SET 17M10 FOR 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY - CONSISTS OF ACCESSORIES, BED PLATE, NAVY TYPE CBP-21493 MOTOR & NAVY TYPE CBP-21494 GENERATOR.		
MOTOR-GENERATOR - SINGLE UNIT. MOTOR: 1/4 HP; 90 TO 165 VOLTS, 4.5 TO 1.8 AMPS DC; COMPOUND WOUND; GENERATOR 115 VOLTS, SINGLE PHASE, 60 CYCLES, 0.965 AMPS, 90% PF, 1800 RPM CONTINUOUS DUTY.			10/7/40		11/15/39	10/8/40		CBP DWG.
9/5/40	MT3/RL52	CBP DWG 7000	NOV. 41			NOV. 41		6023 ALT 2
NOV. 41	CBM TYPE 5628M	8/23/40	CAO 21490	TBT	17C10(INT)	10/8/40	BL1-MG-353	CBP DWG.
CBM 21482	JL-9		MAGNETIC CONTROLLER 5/1/40 1.5 HP; 440 VOLTS, 3 PHASE, 60 CYCLE, SUPPLY: CLASS A SHOCK; DRIP PROOF ENCLOSURE.			NOV. 41		6023 ALT 2
EMERGENCY POWER UNIT. INPUT: 10 AMPS AT 6 VOLTS DC; OUTPUT: 0.09 AMPS AT 350 VOLTS DC. CONSISTS OF A TYPE CBP-21470 DYNAMOTOR, FUSES, SWITCHES & INDICATING LIGHTS.			10/7/40	14333.4	CAO DWG.	10/18/40		K-865150 SUB 0
9/5/40	806	CBM DWG.	NOV. 41		14333.17 REV 0	NOV. 41		
NOV. 41		60,020 ALT 0	CBP 21491	TBT	17M9(INT)	CBP 21499	NJ-1	
CBP 21483	-73002(YC)		MOTOR 11/15/39 1.5 HP; 115 VOLTS DC; 3500 RPM.			MOTOR-GENERATOR, SINGLE UNIT. INPUT VOLTAGE 24 VOLTS AT 30 AMP DC; OUTPUT VOLTAGE 115 VOLTS AC AT 60 CYCLES ± 1%; RATED 500 V.A. SPEED REGULATOR INTEGRAL PART OF UNIT.		
AC GENERATOR 10 KVA; 1800 RPM, 230 VOLTS, 3 WIRE, 43.5 AMPS, SINGLE PHASE, 60 CYCLES, WITH 115 VOLT DC EXCITER; SHUNT WOUND, CONTINUOUS.			10/7/40	L-3	CBP DWG.	10/19/40	CBM:562BK	CBM DWG.
9/23/40		CDE:2624 REV 0	NOV. 41		6023 ALT 2	NOV. 41		SK-4689 ALT 0
NOV. 41			CBP 21492	TBT	17M9(INT)	CAY 21500	TAB-5	17C10(INT)
CBP 21484	-73002(YC)		MOTOR 11/15/39 1.5 HP; 230 VOLTS DC; 3500 RPM.			MAGNETIC CONTROLLER 5/1/40 10 HP; 220 VOLTS, 3 PHASE, 60 CYCLE SUPPLY.		
DC GENERATOR 0.468 KVA; 2330 RPM; 15.6 VOLTS, 30 AMPS SHUNT WOUND CONTINUOUS DUTY.			10/8/40		6023 ALT 2	10/23/40		CAY DWG.
9/23/40	RL-144	CDE:2624 REV 0	NOV. 41			NOV. 41		32-J-330 SUB 1
NOV. 41			CBP 21493	TBT	17M10A	CAY 21501	TAB-5	17C10(INT)
CPG 21435	YC		MOTOR 1.5 HP; 220/440 VOLTS, 3 PHASE, 60 CYCLES; 5/2.5 AMPS FULL LOAD; 3500 RPM.			MAGNETIC CONTROLLER 5/1/40 10 HP; 220 VOLTS, 3 PHASE, 25 CYCLES.		
ROTARY CONVERTER 290 TO 350 VA 3600 RPM; INPUT: 12 VOLTS, 40 AMP DC; OUTPUT: 115/1/60 2.5 AMPS (CONTINUOUS DUTY) TO 3 AMPS (INTERMITTENT DUTY) 55°C CONTINUOUS; 0.8PF; WEIGHT 81 LBS.			10/8/40	BL-51	CBP DWG.	10/23/40		CAY DWG.
9/24/40	CK-350	CDE:2680	NOV. 41		6023 ALT 2	NOV. 41		32-J-391 SUB 1
DEC. 44		REV 0						

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 21502	TAB-5	17C10(INT) 5/1/40	CC-21510	TAB-5	17G7(INT) 12/15/38	CAY 21518	* SEE BELOW	17G7(INT) 12/15/38
MAGNETIC CONTROLLER		5/1/40	LV & BIAS GENERATOR		12/15/38	LV & BIAS GENERATOR		12/15/38
10 HP; 440 VOLTS, 3 PHASE, 25 CYCLES.			1000 VOLTS, 0.3 AMP DC, 0.3 KW AND 230 VOLTS, 0.5 AMP DC, 0.115 KW; 1470 RPM; 40° C CONTINUOUS, SHUNT WOUND.			1000 VOLTS, 0.075 AMPS DC AND 275 VOLTS 1.3 AMPS DC, 1750 TO 1810 RPM, SELF EXCITED AT 275 VOLTS DC, COMPOUND WINDING, 40° C CONTINUOUS.		
10/23/40	CAY DWG.		10/23/40 D224X	CC DWG N-28676		10/23/40	SEE ABOVE	
NOV. 41	32-J-392 SUB 1		NOV. 41	10/7/40		NOV. 41		
CC-21503	TAB-5		CAY 21511	TBM-6	17C10A	CAY 21519	TBK-11	
MOTOR-GENERATOR SET.			MAGNETIC CONTROLLER			MOTOR-GENERATOR SET.		
FOR 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY; CONSISTS OF ACCESSORIES, BED PLATE & NAVY TYPE CC-21504 MOTOR & NAVY TYPE CC-21505 & CC-21506 DC GENERATORS.			220 VOLTS, 3 PHASE, 25 CYCLES; 5 HP; 12.8 AMP FULL LOAD, 75 AMP STARTING OR LOCK ROTOR; STARTING PF 45%; DRIP PROOF SEMI AUTOMATIC.			FOR 115 VOLTS DC SUPPLY, CONSISTS OF ACCESSORIES, BED PLATE AND NAVY TYPE CAY-21513 MOTOR, TYPES CAY-21517 & CAY-21518 GENERATORS.		
10/23/40	N-28545		10/23/40	CAY DWG 32-J-54		10/23/40	CAY DWG	
NOV. 41	9/20/40		NOV. 41	SUB 1		NOV. 41	32J531 SUB 0	
CC-21504	TAB-5	17M10A	CAY 21512	TBK-11	17C10	CAY 21520	TBK-11	
MOTOR AC			MAGNETIC CONTROLLER		5/1/40	MOTOR-GENERATOR SET		
10 HP; 220 VOLTS, 3 PHASE, 60 CYCLES, 25 AMPS; 1780 RPM, 40° C CONT.			RATED 440 VOLTS, 3 PHASE, 25 CYCLES; 5 HP, 7 AMP FULL LOAD, 49 AMP STARTING OR LOCKED ROTOR. STARTING PF 53%. DRIP PROOF, SEMI AUTOMATIC.			FOR 230 VOLT DC SUPPLY, CONSISTS OF ACCESSORIES, BED PLATE AND NAVY TYPE CAY-21514 MOTOR, TYPES CAY-21517 & CAY-21518 GENERATORS.		
10/23/40 N324X	CC DWG N-28542		10/23/40	CAY DWG		10/23/40	CAY DWG	
NOV. 41	DATED 1 OCT 40		NOV. 41	32-J-764 ALT 1		NOV. 41	32J530 REV 0	
CC-21505	TAB-5	17G7(INT)	CAY 21513	TBK-11	17M9D	CAY 21521	TBK-11&TBM-6	
BY GENERATOR		12/15/38	MOTOR - DC			MOTOR-GENERATOR SET.		
5.06 KW, 2300 VOLTS, 2.2 AMPS DC; 1780 RPM; 40° C CONTINUOUS; COMPOUND WOUND.			5 HP, 115 VOLTS DC, 44 AMP, 1800 RPM, 40° C CONTINUOUS; 81 VOLTS, 60 CYCLES, 535 WATTS FROM COLLECTOR RINGS; SHUNT WINDING.			FOR 220 OR 440 VOLTS, 3 PHASE, 25 CYCLE SUPPLY, CONSISTS OF ACCESSORIES, A BED PLATE AND NAVY TYPE CAY-21515 MOTOR, TYPES CAY-21517 & CAY-21518 GENERATORS.		
10/23/40 D326X	CC DWG N-28543		*CAY DWGS 32J534 SUB 1, & 32J535 SUB 1.			10/23/40	CAY DWG.	
NOV. 41	DATED 26 NOV 40		10/23/40	*SEE ABOVE		NOV. 41	31-J-937 SUB 2	
CC-21506	TAB-5	17G7(INT)	CAY 21514	TBK-11	17M9D	CAY 21522	*SEE BELOW	
LV & BIAS GENERATOR		12/15/38	MOTOR - DC.			MOTOR-GENERATOR SET.		
1000 VOLTS 0.3 AMPS DC, 0.3 KW AND 230 VOLTS 0.5 AMP DC, 0.115 KW; 1780 RPM, 40° C CONTINUOUS; SHUNT WOUND.			5 HP, 230 VOLTS DC, 22 AMP, 1800 RPM, 40° C CONTINUOUS, 162 VOLTS, 60 CYCLES, 535 WATTS FROM COLLECTOR RINGS, SHUNT WINDING.			FOR 220 OR 440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY; CONSISTS OF ACCESSORIES A BED PLATE AND NAVY TYPES CAY-21516 MOTOR, TYPES CAY-21517 & CAY-21518 GENERATORS.		
10/23/40 D224X	CC DWG N-28544		*CAY DWGS 32J532 SUB 1 & 32J533 SUB 1.			10/23/40	31-J-921 SUB 1	
NOV. 41	DATED 1 OCT 40		10/23/40	*SEE ABOVE		NOV. 41		
CC-21507	TAB-5		CAY 21515	TBK-11&TBM-6	17M10(INT)	CC 21523	GENERAL USE	
MOTOR-GENERATOR SET.			MOTOR-AC		5/15/38	MOTOR GENERATOR UNIT:		
FOR 220 OR 440 VOLTS, 3 PHASE, 25 CYCLE SUPPLY; CONSISTS OF ACCESSORIES, BED PLATE & NAVY TYPE CC-21508 MOTOR AND NAVY TYPES CC-21509 & CC-21510 DC GENERATORS.			5 HP, 220 OR 440 VOLTS, 3 PHASE, 25 CYCLES, 14.2 OR 7.1 AMPS, INCLUDES A GEAR BOX TO INCREASE SPEED TO 1750 RPM; 40° C CONTINUOUS; SQUIRREL CAGE INDUCTION TYPE.			MOTOR 250 VOLTS DC, 20 AMPS, 5 HP, 1800 RPM. GENERATOR 115/160, 21.8 AMPS, 2.5 KVA, 2 KW, 94% PF, ADJUSTABLE TO 80% PF, 60° C CONTINUOUS. VOLTAGE REGULATION ± 5% ALL STEEL CONSTRUCTION. SAME AS -21598 EXCEPT FOR INPUT VOLTAGE AND SAME AS 8/21/41 D-254 MOTOR C-30394 SUB 0 SEPT 43 DJ-254 GENERATOR		
10/23/40	N-28545		*CAY DWGS 31J598 SUB 11 & 31J599 SUB 11			10/23/40	C-28431	
NOV. 41	9/20/40		10/23/40	*SEE ABOVE		NOV. 41	9/10/40	
CC-21508	TAB-5	17M10A	CAY 21516	* SEE BELOW	17M10(INT)	CC 21523		
MOTOR AC			MOTOR - AC		5/15/38	21577	EXCEPT FOR JUNCTION BOX.	
10 HP; 220 OR 440 VOLTS, 3 PHASE, 25 CYCLES, 25 OR 12.5 AMPS; 1470 RPM; 40° C CONTINUOUS; SQUIRREL CAGE, INDUCTION MOTOR.			5 HP, 220 OR 440 VOLTS, 3 PHASE, 60 CYCLES 16.2 OR 8.1 AMPS; 1750 RPM, 40° C CONTINUOUS, SQUIRREL CAGE INDUCTION TYPE					
10/23/40 N326X	CC DWG N-28675		* TBK-11 & TBM-5 & 6.					
NOV. 41	10/7/40		10/23/40	CAY DWG.				
			NOV. 41	31-J-580 SUB 1				
CC-21509	TAB-5	17G7(INT)	CAY 21517	*SEE BELOW	17G7(INT)	CC-21524	YCE-1	
BY GENERATOR		12/15/38	MV GENERATOR		12/15/38	MOTOR-GENERATOR UNIT.		
5.06 KW; 2300 VOLTS, 2.2 AMPS DC, 1470 RPM; 40° C CONTINUOUS; COMPOUND WOUND.			3000 VOLTS, 0.350 AMPS DC AND 2000 VOLTS 0.75 AMPS DC, 1750 TO 1810 RPM. FIELDS EXCITED AT 275 VOLTS DC, COMPOUND WINDING, 40° C CONTINUOUS.			2 UNIT, 3 BEARING TYPE, MOTOR RATED 120 VOLTS DC, 1-1/2 HP, 3440 RPM WITH SPEED REGULATOR, 40° C CONTINUOUS, SHUNT WOUND, REMOVABLE GENERATOR RATED: 120 VOLTS, 6.6 AMPS, 800 CYCLES, SINGLE PHASE, 800 WATTS AND 14 VOLTS 4 AMPS DC;		
10/23/40 D326X	CC DWG N-28677		*TBK-11, TBM-5, 6.			10/25/40 D204X	C-28431	
NOV. 41	11/26/40		**CAY DWG 31-J-908 SUB 1&31-J-909 SUB 1.			NOV. 41	9/10/40	
			10/23/40	**SEE ABOVE				
			NOV. 41					

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		SELF EXCITED FROM THE 14 VOLT 21524 DC WINDING; SIMILAR TO TYPE CC-21415.	CBP 21531	RAT-1 & RAY RECEIVER DYNAMOTOR UNIT INPUT: 22 TO 30 (24) VOLTS, 1.1 AMP DC; OUTPUT: 250 VOLTS, 60 MA DC; INCLUDES A CONTINENTAL ELECT CO TYPE DM-310 DYNAMOTOR. SAME AS TYPE -21400 EXCEPT FOR INPUT RATING.	CBP 21539	QCJ-4, QCL-3 61RE21J1537 DC MOTOR SHT 3A 230 VOLTS, 60 CYCLES, 3 PH, 4 HP, 11.1 AMPS, 1750 RPM.		
			11/8/40 NOV. 41			11/20/40 NOV. 41		CBM DWG 6896 ALT. 0
CBP 21525	NJ-2	MOTOR GENERATOR, SINGLE UNIT. INPUT: 8.25 AMP AT 115 V. DC. OUTPUT VOLTAGE 115 V. AC AT 60 CYCLES ± 1%. RATED 500 VA. SPEED REGULATOR INTEGRAL PART OF UNIT. IDENTICAL TO CBP-21499 EXCEPT FOR INPUT VOLTAGE.	CG-21532	CXAC, CXAJ DYNAMOTOR-FILTER UNIT DC INPUT: 12 VOLTS AT 2.8 AMP. DC OUTPUT: 150 VOLTS AT 100 MA. CONTINUOUS DUTY. CONTAINS FUSES IN INPUT CIRCUIT.	CBP 21540	* SEE BELOW 61RE21J1538 DC MOTOR SHT 2A SIMILAR TO CBP-21450 EXCEPT FOR OPERATION FROM 230 VOLT DC LINE. RATING: 12 HP, 207/253 VOLTS, 49/39 AMPS, 1800 RPM, COMPOUND WOUND.		
10/25/40	CBM:562BL	CBM DWG SK-4689	11/13/40 NOV. 41	P-7762935 REV. 0.		11/20/40 NOV. 41		CBM DWG 60032 ALT. 0
NOV. 41	ALT 0.							
CG-21526	QCJ-2 & QCL	6RE21Z1535A MAGNETIC CONTROLLER. ACROSS THE LINE, 2-1/2 HP, 440 VOLTS, 3 PHASE, 60 CYCLES. SHOCKPROOF, DRIP PROOF.	CG-21533	* SEE BELOW DYNAMOTOR-FILTER UNIT DC INPUT: 12 VOLTS AT 11 AMPS DC. OUTPUT 350 VOLTS AT 243 MA. 30 MINUTE DUTY. CONTAINS FUSES IN INPUT CIRCUIT.	CAE 21541	TBL-4 17M9C MAGNETIC CONTROLLER 6 HP; 115 VOLTS, DC		
11/1/40	11K927	CG DWG 11K927	11/13/40 NOV. 41	P-7762943 REV 0		12/5/40 NOV. 43		CAE:2656 ALT 3
NOV. 41	REV 3							
CG-21527	QCJ-2 & QCL	6RE21J1536A DC GENERATOR 230 VOLTS, 0.11 AMP DC, 25 WATTS, 2300 RPM, 40° C CONTINUOUS, EXTERNALLY EXCITED AT 230 VOLTS, 0.08 AMPS DC.	CAE 21534	QCJ-4, QCL-3 19RE21J1543 MAGNETIC CONTROLLER RATED, 4 HP, 220 VOLTS, 3 PHASE, 60 CYCLES; FOR USE WITH TYPE -21537 MOTOR GENERATOR SET.	CAE 21542	TBL-4 17M9C MAGNETIC CONTROLLER 6 HP, 230 VOLTS DC OR 250 VOLTS DC.		
11/1/40	BC28A	CG DWG W-5050279	11/20/40	CBM:434AI	CBM DWG 6896	12/5/40		CAE:2656 ALT 3
NOV. 41	ALT 0		NOV. 41	ALT 0	ALT 0	NOV. 43		
CG-21527-A	QCJ-2, QCL	6RE21J1536B DC GENERATOR. 230 VOLTS, 0.11 AMP DC; 25 WATTS, 2300 RPM; 40° C, CONTINUOUS, EXTERNALLY EXCITED AT 230 VOLTS, 0.08 AMP DC. SAME AS BASIC NUMBER EXCEPT FOR INCREASED LENGTH OF LEADS AND SLIGHT CHANGE OF BEARINGS.	CAE 21535	* SEE BELOW 19RE21J1544 MAGNETIC CONTROLLER RATED 12 HP, 210/250 VOLTS DC, FOR USE WITH TYPE -21537 MOTOR-GENERATOR SET.	CAE 21543	TBL-4 17C10(INT) MAGNETIC CONTROLLER 2-15-37 4-1/2 HP, 220 VOLTS, 3 PHASE, 60 CYCLES.		
4/8/41	5BC-28A-460A	CG DWG 5050287	* USE WITH QCJ-3 & QCL-2.	11/20/40	CBM:434AJ	12/5/40		CAE:2654 ALT 4
NOV. 41	REV 1	REV 1	NOV. 41	ALT 0	ALT 0	NOV. 43		
CG-21528	TBC-3	BLOWER MOTOR 1/8 HP, 230 VOLTS SINGLE PHASE, 25 CYCLES; 1425 RPM, 40° C CONTINUOUS. SQUIRREL CAGE.	CAE 21536	QCJ-4, QCL-3 19RE21J1545 MAGNETIC CONTROLLER SIMILAR TO CAE-21281 EXCEPT FOR OPERATION FROM 230 VOLT 60 CYCLE 3 PHASE CIRCUIT. RATING IS 2.5 HP.	CBP 21544	TBL-4 DC MOTOR 115 VOLTS DC, 37.5 AMP, 4.5 HP, 1750 RPM.		
11/7/40	6KH47EB106	CG DWG T-5817064	11/20/40	CBM:565G	CBM DWG 6914	12/5/40		Y52.4 5912 ALT. 1
NOV. 41	ALT 2		NOV. 41	ALT 0	ALT 0	NOV. 41		
CG-21529	TBC-3	BLOWER MOTOR 1/30 HP; 230 VOLTS, SINGLE PHASE, 25 CYCLES; 1425 RPM; 40° C CONTINUOUS. SQUIRREL CAGE TYPE.	CBP 21537	QCJ-4, QCL-3 61RE21J1537 MOTOR-GENERATOR SET SHT 1A SAME AS CBP-21350 EXCEPT FOR 230 VOLT, 3 PH, 60 CYCLE OPERATION. CONSISTS OF ACCESSORIES, BED PLATE & CBP-21539 MOTOR. CBP-21351 AND CBP-21353 GENERATORS.	CBP 21545	TBL-4 DC MOTOR 230 VOLTS DC (-23 TO +45%) OR 250 VOLTS DC (±30%), 18.8/17.2 AMP, 4.5 HP, 1750 RPM.		
11/7/40	6KH25AC113	CG DWG T-5817063	11/20/40	CBM:562BN	CBM DWG 6896	12/5/40		Y52.4 5912 ALT. 1
NOV. 41	ALT 2		NOV. 41	ALT. 0	ALT. 0	NOV. 41		
CEK 21530	TCL	ROTARY CONVERTER: INPUT CURRENT 2.7 AMPS INPUT VOLTAGE 115 VOLTS DC .3 KVA RATING, UNITY POWER FACTOR. OUTPUT CURRENT 3.7 AMPS. OUTPUT VOLTAGE 115 VOLTS, 60 CYCLES, AC. 3600 RPM	CBP 21538	* SEE BELOW 61RE21J1538 MOTOR-GENERATOR SET SHT 1A CONSISTS OF ACCESSORIES, BED PLATE; TYPE CBP-21540 DC MOTOR AND TYPE CBP-21586 440 VOLT, 3 PHASE, 60 CYCLE GENERATOR.	CBP 21546	TBL-4 MOTOR-GENERATOR SET FOR 115 VOLTS DC SUPPLY. CONSISTS OF ACCESSORIES, A BED PLATE, A TYPE CBP-21544 MOTOR AND TYPES CBP-21338 AND CBP-21339 HV AND AUXILIARY DC GENERATORS RESPECTIVELY.		
4/21/41	EICOR 6220ML22	DS-155-3	* ACCESSORY OF QCJ-3, QCL-2.	11/20/40	CBM:56280	12/5/40		7236 ALT. 1
APR. 42			NOV. 41	ALT 0	ALT 0	NOV. 43		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21547	TBL-4		TERMINAL BOX. AN		CBP 21553A	CBP 21560	* SEE BELOW	61RE21J1548
MOTOR-GENERATOR SET			ADDITIONAL 1" IPS PIPE TAPPED HOLE IS PROVIDED BESIDE THE REGULAR HOLE FOR THESE LEADS. CAN BE USED INTERCHANGEABLY WITH CBP-21553 BY JOINING THE BRAKE LEADS TO THE MOTOR TERMINAL LEADS. USES MALLEABLE IRON INSTEAD OF CAST IRON.			MOTOR-GENERATOR UNIT		17M90
FOR 230 OR 250 VOLTS DC SUPPLY. CONSISTS OF ACCESSORIES A BED PLATE, A TYPE CBP-21545 MOTOR AND TYPES CBP-21339 AND CBP-21339 HV AND AUXILIARY DC GENERATORS RESPECTIVELY.						MOTOR 90/160 VOLTS DC, 1.5 HP, 14.4/8.1 AMP. GENERATOR 115 VOLTS ± 5%, 60 ± 1 CYCLES, SINGLE PHASE, 5.75 AMPS, 90% P. F. 1800 RPM CONTINUOUS DUTY. SPEED REGULATOR INTEGRAL PART OF UNIT.		
12/5/40		7236				* ACCESSORY FOR WBA.		
NOV. 43		ALT 1				1/21/41	FB53/FB53	CBM5628S-2 SHTS
						NOV. 41	CBM TYPE 5628S	CBP:7126,7127
CBP 21548	* SEE BELOW	61RE21J1539	CRM 21554	TCO		CEK 21561	DZ-1	
MOTOR GENERATOR SET		SHT 1A	POWER UNIT:			DYNAMOTOR		
CONSISTS OF CBP-21549 DC MOTOR, CBP-21550 AC GENERATOR, ACCESSORIES AND BED PLATE.			ROTARY CONVERTER SUPPLIES 115 AC VOLTS 0.5 AMP FOR RECEIVER DYNAMOTOR SUPPLIES 630 V, 0.23 ADC FOR TRANSMITTER. INCLUDES STARTING RELAY, FUSES, R.F. FILTERS. OPERATES FROM 115 V DC, 3 AMPS			INPUT: 27.9(22 TO 30) VOLTS AT 1.23 AM DC. OUTPUT: 220 VOLTS AT 70 MA DC.		
* ACCESSORY OF QCN-1, QCO.			12/14/40		CRM:KS-100	2/4/41	HL-3412-17	CRY:M-420733
12/10/40		ESCO DWG 7057	OCT. 42		SUB 0	NOV. 41		G-502 SUB 5
NOV. 41								
CBP 21549	* SEE BELOW	61RE21J1539	CRV 21555	ZC-1		CRV 21562	DZ-1	
D.C. MOTOR		SHT 2A	DYNAHO FILTER UNIT, WITH SHOCK MOUNTING. SIMILAR TO CRV-21498 EXCEPT FOR DYNAMOTOR, FILAMENT TRANSFORMER AND WIRING WHICH WERE CHANGED TO ACCOMMODATE A 27 VOLT POWER SOURCE INSTEAD OF 12 VOLTS.			DYNAMOTOR-FILTER UNIT		
7 HP, 28.8 TO 35.2 VOLTS, 212 TO 182 AMPS. SHUNT WOUND, 1800 RPM.			12/26/40		K-865150 ALT 0	INPUT: 27.9(22 TO 30) VOLTS AT 1.23 AMP DC. OUTPUT: 220 VOLTS AT 70 MA DC; INCLUDES A CEK-21561 DYNAMOTOR.		
* ACCESSORY OF QCN-1, QCO.			NOV. 41			2/4/41		M-421234 SUB 0
12/10/40		ESCO DWG 7058				NOV. 41		
NOV. 41								
CBP 21550	* SEE BELOW	61RE21J1539	CAE 21556	QCN-1, QCO	19RE21J1546	CRM 21563	TCO-1	
AC GENERATOR		SHEET 3A	MAGNETIC CONTROLLER. RATED 7 HP, 32(28.8 TO 35.2) VOLTS DC, DRIP PROOF. FOR USE WITH CBP-21548 MOTOR-GENERATOR SET.			POWER UNIT (DYNAMOTOR):		
5.3 KVA, 440 VOLTS, 3 PHASE, 60 CYCLES, 7 AMPS 1800 RPM.			12/23/40		CBM:434AK	INPUT 12 VOLTS DC, 10 AMPS, 120 WATTS FOR RECEIVER (STANDBY) OR 32 AMPS, 384 WATTS FOR RECEIVER AND TRANSMITTER. OUTPUT 115/160, .5 AMP FOR RECEIVER AND 630 VOLTS, .23 AMP FOR TRANSMITTER. INCLUDES STARTING RELAY FUSES & RF FILTERS		
* ACCESSORY OF QCN-1, QCO.			NOV. 41		CBM DWG 434-AK	2/7/41		KS-100 SUB 0
12/10/40		ESCO DWG 7059				AUG. 43		
NOV. 41								
CBP 21551	* SEE BELOW	61RE21J1540	CAE 21557	*SEE BELOW	19RE21J1547	CRM 21564	TCO-1	
DC MOTOR-TRAINING		SHEET 1A	MAGNETIC CONTROLLER RATED 1-1/2 HP, 120(90 TO 160) VOLTS DC. DRIP PROOF.			POWER UNIT DYNAMOTOR:		
220 VOLTS, 6 AMP, 1.5 HP, 1150 RPM, COMPOUND WOUND. IDENTICAL TO CBP-21355 EXCEPT FOR SPEED.			* ACCESSORY FOR WBA.			INPUT 32 V DC, 4 AMPS, 128 W. FOR RECEIVER (STANDBY) OR 12 AMPS (384 WATTS) FOR TRANSMITTER AND RECEIVER. OUTPUT, 115/160, 0.5 AMP FOR RECEIVER AND 630 V 0.23 AMP DC FOR TRANSMITTER. INCLUDES STARTING RELAY, FUSES AND RF FILTERS.		
* (78117 TO 78121) QCJ3 - QCL2.			12/30/40		CBM:434AM	2/3/41		CRM:KS-100
12/10/40		ESCO DWG 7060,	NOV. 41		CBM DWG 434AM	OCT. 42		SUB 0
NOV. 41		SS DWG 546-710			2 SHEETS			
CBP 21552	QCN-2, QCO-1	61RE21J1541	CAT 21558	TCE-1		CRM 21565	TCO-1	
DC MOTOR-TRAINING			MAGNETIC CONTROLLER RATED 1.5 HP FOR OPERATION FROM 230 VOLTS DC. SAME AS TYPE CAT-21419 EXCEPT FOR SUPPLY CHARACTERISTICS.			POWER UNIT(DYNAMOTOR)		
1-1/2 HP, 1150 RPM. ARMATURE 207 TO 255 VOLTS, 6.4 TO 5.4 AMP. FIELD 28.8 TO 35.2 VOLTS. COMPOUND WINDING.			1/6/41			INPUT: 250 VOLTS DC., 1.5 AMPS. OUTPUT 115/160, .5 AMPS, AND 630 VOLTS DC, .23 AMPS.		
12/10/40		ESCO DWG 7061,	NOV. 41			2/10/41		CRM:KS-100
NOV. 41		SS DWG 546-712				OCT. 42		SUB 0
CBP 21553	* SEE BELOW	61RE21J1542	CC-21559	TCE-1		CAT 21566	CO-8	
DC MOTOR-MOIST			MOTOR-GENERATOR UNIT 2 UNIT, 3 BEARING TYPE, MOTOR RATED 230 VOLTS DC, 1-1/2 HP WITH SPEED REGULATOR 40°C CONTINUOUS, SHUNT WOUND, REMOVABLE GENERATOR RATED 120 VOLTS, 6.6 AMP, 800 CYCLES, SINGLE PHASE, 800 WATTS & 14 VOLTS, 4 AMP DC; SELF EXCITED FROM THE 1/6/41 D204X C-28431 SUB 0			DYNAMOTOR-POWER UNIT.		
2.5 HP, 230 VOLTS, 3 PHASE, 60 CYCLES, 9.9 AMPS, 1750 RPM. 30 MINUTE DUTY. INTERNAL MAGNETIC BRAKE.			1/6/41			CONTAINS 2 DYNAMOTORS OPERATING FROM 28 VOLTS DC. (A) 2000 VOLTS AT 0.175 AMP, 7500 RPM, 20.0 AMPERES INPUT, FRAME #350A31. (B) 500 VOLTS AT 0.26 AMP, 8000 RPM, 9.0 AMPS INPUT, FRAME #450816.		
* (78121) QCJA, QCLS.			NOV. 41			2/10/41		T-7607180-3
12/10/40		ESCO DWG 7062,				NOV. 41		SUB 0
NOV. 41		SS DWG 546-711						
CBP 21553A	* SEE BELOW	61RE21J1542B	14 VOLT DC WINDING. SAME AS 21559			CAO 21567	TAJ-10	17M9(INT)
D.C. MOTOR MOIST:			CC-21524 EXCEPT FOR INPUT VOLTAGE.			MAGNETIC CONTROLLER		11/15/39
2.5 HP, 230/3/60, 9.9 AMPS, 1750 RPM. 30 MINUTE DUTY, MAGNETIC BRAKE. SAME AS CBP-21553 EXCEPT THAT THE BRAKE LEADS B1 B2 AND B3 ARE BROUGHT OUT THROUGH THE * QCL-8, QCJ-9, QCR-1, QCI, QCO-1, QCO-3 QCN-4, QCS						SERI-AUTOMATIC; 4 HP, 115 VOLTS DC.		
9/15/42		CBP:7062 ALT 1				2/13/41		CAO DWG
OCT. 42		CBM:546-871				NOV. 41		16088.7

Class 21—Electrical Machines

3.21-31

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
CAO 21568	TAJ-10	17M9(1NT) 15 NOV 39	CC-21576	GENERAL USE MOTOR-GENERATOR SET - TWO UNIT FOUR BEARING. MOTOR: 5 HP-230 V- DC, 1800 RPM EQUIPPED WITH SPEED REGUL- ATOR TO MAINTAIN GENERATOR FREQUENCY TO WITHIN 1% UNDER FULL LOAD CONDITIONS. GENERATOR: 2.5 KVA - 115 VOLTS, SINGLE PHASE, 60 CYCLES, 80% PF EXCITED WITH 3/4/41 D-254-DS-254 C-27650-4 NOV. 41	61RE21J1551 SHEET 3A AC AND DC GENERATOR AC OUTPUT - 440/3/60, 1.71 AMPS, 1200 WATTS, 92% POWER FACTOR, DC OUTPUT - 75 VOLTS, 7.0 AMPS EXTERNAL LOAD, 1800 RPM FIELD OPERATES FROM 100 TO 130 VOLTS DC. *CBM DWG 562BT SHEET 3. 3/19/41 T52 NOV. 41	CBP 21582	NM-14b	61RE21J1551 SHEET 3A AC AND DC GENERATOR AC OUTPUT - 440/3/60, 1.71 AMPS, 1200 WATTS, 92% POWER FACTOR, DC OUTPUT - 75 VOLTS, 7.0 AMPS EXTERNAL LOAD, 1800 RPM FIELD OPERATES FROM 100 TO 130 VOLTS DC. *CBM DWG 562BT SHEET 3. 3/19/41 T52 NOV. 41	*SEE ABOVE & CBP DWG 7213	
2/18/41 NOV. 41		CAO DWG 16083.8	230 VOLTS DC LINE; COMPLETE 21576 WITH ADJUSTABLE RESISTOR TO PERMIT ± 10% VOLTAGE ADJUSTMENT; VOLTAGE REGULATION OF THE GENERATOR TO BE WITHIN 10% WITH CONSTANT EXCITATION.	CBP 21583	NM-14c	61RE21J1551A 3 SHEETS MOTOR-GENERATOR SET CONSISTS OF TYPE CBP-21584 MOTOR, CBP-21623 GENERATOR, BED PLATE AND ACCESSORIES. *CBM DWG 5628U, 3 SHEETS, CBP DWGS 7211, 7212, 7213. 3/19/41 Y52-Y52 NOV. 41	*SEE ABOVE			
CC-21569	TAJ-40	17 M 9(1NT) 11/15/39	CC-21577	GENERAL USE MOTOR-GENERATOR - SINGLE UNIT, TWO BEARING. MOTOR: 5 HP - 230 VOLTS DC, 1800 RPM EQUIPPED WITH SPEED REGULATOR TO MAINTAIN GENERATOR FREQ. TO WITHIN 1% UNDER FULL LOAD CONDITIONS. GENERATOR: 2.5 KVA - 115 VOLTS, SINGLE PHASE, 60 CYCLES, 80% PF, EXCITED WITH 3/4/41 D-254 & DS-254 C-30595 SEPT 45	CBP 21584	NM-14c	61RE21J1551 SHEET 2A DC MOTOR RATED 3.5 HP, 205 TO 265 VOLTS DC, 14.2 TO 11.0 AMP, 1800 RPM GOVERNOR CONTROLLED, COMPOUND WOUND. *CBM DWG 5628T SHEET 2, CBP DWG 7212 3/19/41 T-52 NOV. 41	*SEE ABOVE		
2/18/41	58T155A3	CG:MM-6626563	230 VOLTS DC LINE; COMPLETE 21577 WITH ADJUSTABLE RESISTOR TO PERMIT ± 10% VOLTAGE ADJUSTMENT; VOLTAGE REGULATION OF THE GENERATOR TO BE WITHIN 5% WITH CONSTANT EXCITATION.	CAE 21585	NM-14c	61RE21J1552A 2 SHEETS MAGNETIC CONTROLLER RATED 3.5 HP, 230 (205 TO 265) VOLTS DC, DRIP PROOF. 3/19/41 CBM:434AQ NOV. 41	CBM DWG 434AQ 2 SHEETS			
CC-21570	TAJ-10	17 M 9(1NT) 11/15/39	CC-21578	GENERAL USE MOTOR STARTER 5 HP - 230 VOLTS DC; MANUALLY OPERATED; FOR USE IN STARTING NAVY TYPES CC-21576 & CC-21577.	CBP 21586	*SEE BELOW	61RE21J1538A AC GENERATOR 440 VOLTS, 3 PHASE, 60 CYCLES, 7.5 KVA, 9.8 AMP, 1800 RPM, FIELD EXCITED FROM LINE OF 207 TO 265 VOLTS DC. 4 ACCESSORY OF QJC-3, QCL-2. 3/21/41 NOV. 41			
2/18/41	58T155A4	CG:MM-6626564	3/4/41 NOV. 41	CAY 21579	CXAP DYNAMOTOR - FILTER UNIT INPUT: 28 VOLTS, 17 AMPS DC. OUTPUT: 900 VOLTS AT 0.334 AMPS, 8000 RPM. 3/14/41 NOV. 41	P-7707849 SUB 0	* QCJ 5, 6; QCL 4, 5. 3/22/41 F428 NOV. 41	CBM DWG 546-743 CBP DWG 7214		
CC-21571	TAJ-10	17M9:15NOV39 17G7:1MAR39	CBP 21580	NM-14b	61RE21J1551A 3 SHEETS MOTOR-GENERATOR SET CONSISTS OF TYPE CBP-21581 MOTOR, CBP-21582 GENERATOR, BED PLATE AND ACCESSORIES. *CBM DWGS 5628T - 3 SHEETS & CBP DWGS 7211, 7212, 7213. 3/19/41 Y52-Y52 NOV. 41	*SEE ABOVE	CBP 21587A	DC MOTOR: RATED 1-1/2 HP, 0 TO 1150 RPM, ARMATURE 207 TO 253 VOLTS, 6.4 TO 5.4 AMP FIELD 75 VOLTS, SIMILAR TO -21587 EXCEPT THAT MALLEABLE IRON IS USED FOR END BELLS AND CAST STEEL FOR FRAME. 5/1/42 JUNE 42		
2/18/41	16A122	CG DWG MM-6626563	3/24/41 NOV. 41	CBP 21581	NM-14b	61RE21J1551 SHEET 2A DC MOTOR RATED 3.5 HP, 100 TO 130 VOLTS DC, 29 TO 22 AMP, 1800 RPM GOVERNOR CONTROLLED, COMPOUND WOUND. *CBM DWG 5628T SHEET 2. 3/19/41 T52 NOV. 41	*SEE ABOVE & CBP DWG 7212	CBP 21588	T8A-6 BLOWER MOTOR DC RATED 1/30 HP, 115 VOLTS DC, 0.62 AMP, 1725 RPM, SHUNT WOUND, HORIZONTAL MOUNTING. 3/24/41 58C26A818 MAR. 42	CG:1-5817095-1 SUB. 4
CC-21572	TAJ-10	17M9:15NOV39 17G7:1MAR39	CBP 21587	* SEE BELOW	61RE21J1553A DC MOTOR RATED 1-1/2 HP, 0 TO 1150 RPM, ARMATURE 207 TO 253 VOLTS, 6.4 TO 5.4 AMP, FIELD 75 VOLTS. 3/27/41 DEC. 41	R-2006 REV 0				
2/18/41	16A123	CG DWG MM-6626564	2/24/41 NOV. 41	CBP 21588	T8A-6 BLOWER MOTOR DC RATED 1/30 HP, 115 VOLTS DC, 0.62 AMP, 1725 RPM, SHUNT WOUND, HORIZONTAL MOUNTING. 3/27/41 DEC. 41					
CC-21573	QCN-2, QCO-1	61RE21J1549 3 SHEETS DYNAMO ELECTRIC AMPLIFIER UNIT. MOTOR RATED 32 VDC, 2 HP, 60 AMPS; GENERATOR RATED 3 AMP, 250 VOLTS, 2200 RPM. *CBM DWG 828, ALT 0, 3 SHEETS; CG DWG W-5050288 REV 0, 3 SHEETS. 2/24/41 58C76A953 NOV. 41	2/24/41 NOV. 41	58C76A953 58M78A810	*SEE ABOVE					
CAE 21574	QCN-2, QCO-1	19RE21J1550A MAGNETIC CONTROLLER RATED 2 HP, 32 VOLTS DC. 2/24/41 (CBM)434AL NOV. 41	2/24/41 NOV. 41	(CBM)434AL	CBM DWG SK-4773 ALT. 1					
CHI 21575	TCQ	DYNAMOTOR-FILTER UNIT INPUT: 24 VOLTS DC, OUTPUT: 500 VOLTS, 250 MA DC; 400 VOLTS, 250 MA DC. 2/27/41 DEC. 41	2/27/41 DEC. 41	R-2006 REV 0						

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CG-21588A TBA-8.9 BLOWER MOTOR; RATED 1/30 HP, 115 VOLTS DC, 0.62 AMP, 1725 RPM. SHUNT WOUND, HORIZONTAL MOUNTING, 40° C CONTINUOUS. SAME AS CG-21588 EXCEPT SHAFT IS 1/2" LONGER.	7/10/42 OCT. 42		CG-21595 TBA-6 * SEE BELOW MOTOR GENERATOR SET; CONSISTS OF TYPE CG-21593 DC MOTOR, CG-21377A AND CG-21373A GENERATORS, ACCESSORIES, AND BEDPLATE.	* 17 M 9 D; 17 G 7 (INT) 10/15/36 3/31/41 15A136 MAR. 42	CG:HW-6626566 ALT 3	CG-21601 EO DYNAMOTOR-FILTER UNIT INPUT 24 VOLTS DC, 0.925 AMP. OUTPUT 3/150 VOLTS AT 0.36/0.036 AMP. 25 WATTS, 3600 RPM. INCLUDES BASE AND JACK BOX.	*K7879178-3 REV 2, P7763682 REV. 2. 3/31/41 *SEE ABOVE NOV. 41	
CG-21589 TBA-6 BLOWER MOTOR DC RATED 1/30 HP, 230 VOLTS DC, 0.31 AMP, 1725 RPM. SHUNT WOUND, HORIZONTAL MOUNTING.	3/24/41 MAR. 42	58C26AB19 SUB. 4	CG-21596 TBA-6 *SEE BELOW M-C SET; CONSISTS OF TYPE CG-21594 230-V DC MOTOR AND TYPES CG-21377A AND CG-21378A GEN- ERATORS AND ACCESSORIES AND BEDPLATE.	* 17M9D & 17G7 (INT) 10/15/36 3/31/41 15A 137 MAR. 42	CG:HW-6626567 ALT 3	CG-21602 EP DYNAMOTOR-FILTER UNIT INPUT 32 VOLTS DC, 0.506 AMP. OUTPUT 3/150 VOLTS AT 0.36/0.036 AMP. 25 WATTS 3600 RPM. INCLUDES BASE AND JACK BOX.	*K7879178-4 REV. 2, P7763682 REV. 2. 3/31/41 *SEE ABOVE NOV. 41	
CG-21589A TBA-8.9 BLOWER MOTOR; RATED 1/30 HP 230 V DC, 0.31 AMP, 1725 RPM. SHUNT WOUND, HORIZONTAL MOUNTING. SAME AS CG-21589 EXCEPT SHAFT IS 1/2" LONGER. 40° C CONTINUOUS.	7/10/42 OCT. 42		CAO 21597 *SEE BELOW 17C10A MAGNETIC CONTROLLER 1.75 HP, 220 VOLTS, THREE PHASE, 60 CYCLES.	* N173S-4067, XAO. 4/18/41 16196-1 NOV. 41		CG-21603 EQ DYNAMOTOR-FILTER UNIT INPUT: 110 VOLTS DC, 0.147 AMPS. OUTPUT: 3/150 VOLTS AT 0.36/0.036 AMP, 25 WATTS, 3600 RPM. INCLUDES BASE AND JACK BOX.	*K7879178-5 REV. 2, P7763682 REV. 2 3/31/41 *SEE ABOVE NOV. 41	
CG-21590 QCJ-5, QCL-4 GRE 21J 1554A MOTOR DYNAMO AMPLIFIER 3 SHEETS UNIT: MOTOR: RATED 1.5 HP, 440/3/60, 2.4 AMPS, 1725 RPM. DYNAMO-AMPLIFIER INPUT: 0.935 WATTS 0 TO ±36 VOLTS 0.026 AMP DC, OUTPUT: 750 WATTS 0 TO ±250 VOLTS, 3 AMPS DC.	3/26/41 AUG. 42	CBM:328A ALT 0	CG-21598 * SEE BELOW MOTOR-GENERATOR SET (TWO UNIT). MOTOR: 1.75 HP, 220 OR 440/3/60; 5.4/2.7 AMP; 1750 RPM; 40° C CONTINUOUS. GENERATOR: 0.2 KW, 14 VOLT, 14.3 AMP DC 0.345 KW, 115 VOLT, 3 AMP, 60 CYCLES, SINGLE PHASE COMPOUND WOUND; * N173S-4067, XAO. 4/18/41 N204X; D204RP; NOV. 41 D204X			CBP 21604 WDA 6IRE21J1550 MOTOR-GENERATOR SET CONSISTS OF TYPE CBP-21605 MOTOR/ GENERATOR AND TYPE CBP-21349 GENERATOR, ACCESSORIES AND BED PLATE.	*CBM DWG 60068, ALT. 0; ESCO DWGS 7130, 7128, 7128. 4/4/41 562BR *SEE ABOVE NOV. 41	
CAO 21591 TBA-6 17M9D MAGNETIC CONTROLLER RATED 5-1/2 HP, 115 VOLTS DC.	3/31/41 NOV. 41	14974.6 CAO DWG 14974.6	0.375 KW, 750 VOLTS, 0.5 AMP 21598 DC & 0.03 KW, 160 VOLTS, 0.2 AMP DC.			CBP 21605 WDA 6IRE21J1550 MOTOR-GENERATOR: SINGLE UNIT, TWO-BEARING TYPE. MOTOR END: 5 HP, 175/335 VOLTS, 28.5/15 AMPS, 1800 RPM, GOVERNOR CONTROLLED. GENERATOR END: 75 VOLTS DC, 7 AMPS EXTERNAL LOAD AND 120 VOLTS, 11.3 AMP, SINGLE PHASE 60 CYCLES, 0.92% POWER FACTOR. 4/4/41 CBM DWG 60068 NOV. 41 ALT. 0		
CAO 21592 TBA-6 17M9D MAGNETIC CONTROLLER RATED 5-1/2 HP, 230 VOLTS DC.	3/31/41 NOV. 41	14974.7 CAO DWG 14974.7	CG-21599 EM DYNAMOTOR-FILTER UNIT INPUT 6 VOLTS DC AT 2.7 AMPS. OUTPUT 3/150 VOLTS AT 0.36/0.036 AMPS, 25 WATTS 3600 RPM. INCLUDES BASE AND JACK BOX.	*K-7879178-1 REV 2, P7763682 REV 2. 3/31/41 *SEE ABOVE NOV. 41		CAE 21606 WDA 19RE21J1555A MAGNETIC CONTROLLER RATED AT 5 HP, 175/335 VOLTS DC, 250 VOLTS NOMINAL.	4/4/41 CBM:434AH NOV. 41	CBM DWG 60068 ALT. 0
CG-21593 TBA-6 17 M 9 D DC MOTOR: 5-1/2 HP, 115 V DC, 1750 RPM, BALL BEARING, SEMI-ENCLOSED, DRIP PROOF.	3/31/41 MAR. 42	58Y155A5 CG:HW-6626566 ALT 3	CG-21600 EN DYNAMOTOR-FILTER UNIT INPUT 12 VOLTS DC, 2.2 AMP. OUTPUT 3/150 VOLTS AT 0.4/0.04 AMP. 25 WATTS 4000 RPM. INCLUDES BASE AND JACKBOX.	*K7879178-2 REV 2, P7763682 REV 2. 3/31/41 *SEE ABOVE NOV. 43		CG 21607 USE WITH TCE MOTOR-GENERATOR: SINGLE UNIT. MOTOR END 440 VOLTS, 3 PHASE, 60 CYCLES, 1.5 HP, 3430 RPM, 40° C CONTINU- OUS, SQUIRREL CAGE. GENERATOR END 120 VOLTS, 6-2/3 AMPS, 800 CYCLES, SINGLE PHASE, 800 WATTS AND 14 VOLTS, 4 AMPS DC SELF-EXCITED FROM 14 VOLTS DC WINDING. 4/22/41 NOV. 41		
CG-21594 TBA-6 17 M 9 D DC MOTOR; 5-1/2 HP, 230 V DC, 1750 RPM, BALL BEAR- ING, SEMI-ENCLOSED, DRIP PROOF.	3/31/41 MAR. 42	58Y155A6 CG:HW-6626567 ALT 3	CGQ 21600-A EN-2 DYNAMOTOR-FILTER UNIT: ELECTRICALLY & MECHANICALLY INTERCHANGE- ABLE WITH CG-21600. INPUT: 12V DC AT 2.2 AMPS. OUTPUT: 3V DC AT 0.4 AMPS & 150V DC AT 0.04 AMPS, 4000RPM, HAS PIONEER DYNAMOTOR. CANCELLED REPLACED BY -211205	4/9/43 SR-125 MAR. 44		CGM 21608 FA & FB BLOWER, TWIN MOTOR RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES, 62 WATTS, 3000 RPM; FREE VELOCITY 120 CU FT PER MINUTE AT 2750 FEET PER MINUTE; NET WEIGHT 10-1/2 LBS.	4/23/41 7000 NOV. 41	DM27-500-8N

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CAT 21609	TBK-11	17C10	CC-21617	* SEE BELOW		CBP 21625	NJ-4	
MAGNETIC CONTROLLER	1 MAY 1940		MOTOR			MOTOR-GENERATOR UNIT		
RATED 220/3/25, 5 HP, 14 AMPS FULL LOAD, 98 AMPS STARTING OR LOCKED ROTOR. STARTING P.F. 53%. DRIP PROOF, SEMI-AUTOMATIC.			105 TO 130(115) VOLTS DC, 1800 RPM.			MOTOR RATED 115 ± 10% VOLTS, 6.2 AMP DC, 1800 RPM. GENERATOR RATED 115 VOLTS, 300 VA, 0.86 PF, 60 CYCLES ± 1% SINGLE PHASE AC. SIMILAR TO TYPE -211024 EXCEPT FOR MOTOR RATING.		
4/24/41	CAT DWG 32-J-762 ALT. 1		* FOR USE WITH QCJ-2 OR QCL.			5/17/41	CBM:5628X	CBM:SK-4930
NOV. 41			4/29/41	K-6630308 REV 2		JULY 43		ALT 0
CAT 21610	TBK-11	17C10	CC-21618	* SEE BELOW		CBY 21626	ATA	
MAGNETIC CONTROLLER	1 MAY 1940		GENERATOR			DYNAMOTOR (TRANSMITTER)		
RATED 220/3/25, 5 HP, 13.8 AMPS FULL LOAD, 116 AMPS STARTING OR LOCKED ROTOR. STARTING P.F. 50%. DRIP PROOF, SEMI-AUTOMATIC.			8 KVA, 440 VOLTS, 3 PHASE, 60 CYCLES, 1800 RPM.			INPUT: 28 VOLTS DC AT 5 AMP. OUTPUT: 0.16 AMP AT 575 VOLTS. APPROX. 7000 RPM.		
4/24/41	CAT DWG 32-J-763 ALT. 1		* FOR USE WITH QCJ-2 OR QCL.			5/20/41	5325-3	5168-3-A
NOV. 41			4/29/41	K-6630308 REV 2		NOV. 41	CC TYPE DM-424	
CAT 21611	TBK-11	17M9D	CC-21619	* SEE BELOW		CG-21627	TCK	17C17(INT)
MAGNETIC CONTROLLER			MOTOR-GENERATOR SET.			MAGNETIC CONTROLLER		11/1/40
RATED 115 VOLTS DC, 5 HP. DRIP PROOF, SEMI-AUTOMATIC.			CONSISTS OF CC-21617 DC MOTOR, CC-21618 AC GENERATOR ACCESSORIES AND BED PLATE.			2 HP, 115 VOLTS DC; DRIP-PROOF, SEMI-AUTOMATIC.		
4/24/41	CAT DWG 32-J-765 ALT. 1		* FOR USE WITH QCJ-2 OR QCL.			6/5/41		17C17(INT)
NOV. 41			4/29/41	K-6630308 REV 2		MUG. 44		1 NOV 1940
CAE 21612	* SEE BELOW	17C17(INT)	CAJ 21620	NMB-1		CG-21628	TCK	17C17(INT)
MAGNETIC CONTROLLER	1 NOV 40		SYNCHRONOUS MOTOR;			MAGNETIC CONTROLLER		11/1/40
6.5 HP, 105 TO 130 (115) VOLTS DC. SEMI-AUTOMATIC, DRIP PROOF.			SYNCHRONOUS-CAPACITOR TYPE, 1/150 HP, 115 VOLTS, 60 CYCLES, SINGLE PHASE. INTERNAL GEAR REDUCTION TO 60 RPM AT SHAFT. CLOCK WISE ROTATION VIEWED FROM SHAFT END. BALL BEARINGS. CONTINUOUS DUTY. CAPACITOR USED IS CC-481163, 7.5 MFD.			2 HP, 230 VOLTS DC; DRIP-PROOF, SEMI-AUTOMATIC.		
* FOR USE WITH NMB-1.			4/29/41	RWC:3712	CRV:M-421398-1	6/5/41	11K1481	CG:11K1481
4/29/41	B616247A	CAE DWG 3745	NOV. 41		SUB 1	MAR. 43		REV 6
NOV. 41		ALT. 1						
CC-21613	* SEE BELOW		CG-21621	TCC		CG-21629	TCK-1	17C10(INT)
MOTOR GENERATOR UNIT:			DYNAMO ELECTRIC AMPLIFIER			MAGNETIC CONTROLLER		11/1/40
MOTOR RATED 6 HP, 115 V, 44 AMPS, 1800 RPM, SHUNT WOUND. GENERATOR 2.9 KW, 3.5 KVA, 440 V, 4.6 AMPS, 3 PHASE, 1800 RPM, 85% POWER FACTOR. UNIT IS GOVERNOR CONTROLLED.			UNIT: MOTOR RATING 1/6 HP, 230V, .7 AMP, 3 PHASE, 60 CYCLES, 1725 RPM, 40°C CONTINUOUS. AMPLIFIER RATING 0 TO ± 125 VOLTS, 0.6 AMP DC, 40°C CONTINUOUS. SIMILAR TO NAVY TYPE -211132.			2 HP, 220 VOLTS DC, 3 PHASE, 60 CYCLES, DRIP-PROOF, SEMI-AUTOMATIC.		
* FOR USE WITH NMB-1			θ MOTOR 5K43AC2145A, AMPLIDYNE: 5AH45DB2A			6/5/41	11K1481	CG:11K1481
4/29/41	D284XP-DS254P	CC:N-29689	5/2/41	θ SEE ABOVE	CG:M-5051415	MAR. 43		REV 12
APR. 42		REV 1	FEB. 45		REV 2			
CAE 21614	*SEE BELOW	17-C-17(INT)	CG-21622	TCC		CG-21630	TCK	17C10(INT)
MAGNETIC CONTROLLER	11/1/40		DC MOTOR			MAGNETIC CONTROLLER		11/1/40
6.5 HP, 220-230 VOLTS DC; SEMI-AUTOMATIC DRIP-PROOF.			RATED 1/20 HP, 115 VOLTS 0.57 AMP DC, 1140 RPM, PERMANENT MAGNET FIELD, 40° C 1/2 HOUR DUTY.			2 HP, 440 VOLTS, 3 PHASE, 60 CYCLES, DRIP-PROOF, SEMI-AUTOMATIC.		
* FOR USE WITH NMB-1.			5/2/41	5B8Y29AB1	M-5051403 REV 0	6/5/41	11K1362	CG:11K1362
4/29/41	B616247B	CAE DWG 3862	NOV. 41			MAR. 43		REV 10
NOV. 41		ALT 1						
CC-21615	* SEE BELOW		CBP 21623	NM-14C	61RE21J1551A	CG-21631	TCK	* SEE BELOW
MOTOR GENERATOR UNIT:			AC AND DC GENERATOR			MOTOR-GENERATOR UNIT:		
MOTOR RATED 6 HP, 220-230 V DC, 22 AMPS, 1800 RPM, SHUNT WOUND. GENERATOR 2.9 KW, 3.5 KVA, 440 V, 4.6 AMPS, 3 PHASE, 1800 RPM, 85% POWER FACTOR. UNIT IS GOVERNOR CONTROLLED.			AC OUTPUT: 440/3/60, 1.71 AMP, 1200 WATTS, 92% POWER FACTOR. DC OUTPUT: 75 VOLTS, 7.0 AMPS EXTERNAL LOAD, 1800 RPM. FIELD OPERATES FROM 205 TO 265 VOLTS DC.			EXCHANGEABLE MOTOR: 2 HP, 115 VOLTS, 20 AMPS DC, 3440 RPM SHUNT WOUND, SLIP RINGS FOR 350 VA AT 81 VOLTS AC; GENERATOR: 0.72 KW, 1800 VOLTS AT 0.4 AMP DC * 17C7(INT) 5/1/33, 17M17(INT) 5/1/40.		
* FOR USE WITH NMB-1			5/7/41	Y-52	CBM:5628U SHT 3	θ CG:4M-6639374 G1 REV11; CG:M-6639377		
4/29/41	D284XP-DS254P	CC:N-29812	NOV. 41		C&P:7213	6/5/41	5LY123A2	θ SEE ABOVE RV2
APR. 42		REV 1				NOV. 43		
CC-21616	* SEE BELOW		CBX 21624	FC		CG-21631		
MAGNETIC CONTROLLER			MOTOR			COMPOUND WOUND, 0.35 KW, 500 V DC AT 0.35 AMP, 115 V DC AT 1.5 AMPS, ASL3 DETACHABLE GENERATOR, 24 WATTS, 12 VOLTS AT 2 AMPS DC, 40°C CONTINUOUS.		
115 VOLTS DC.			RATED 1/40 HP, 110 VOLTS, SINGLE PHASE, 60 CYCLES, 1 AMP, 1725 RPM, SPLIT PHASE.					
* FOR USE WITH QCJ-2 OR QCL.			5/15/41	B-2324	CAT			
4/29/41			NOV. 41	FRAME N-13				
NOV. 41								

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21631-A TCK-3		17G7(INT) MOTOR GENERATOR UNIT: 17M10(INT) EXCHANGEABLE MOTOR 2 HP, 115 V, 20 AMP DC, 3480 RPM, SHUNT WOUND, SLIP RINGS FOR 350 VA AT 81 V. GENERATOR: 0.72 KW, 1800 V AT 0.4 AMP DC, COMPOUND WOUND; 0.35KW, 500 V DC AT 0.35 AMP DC AND 115V *M-8433935 REV 1 5/26/43 CG:5LY123A6 AUG. 44	CG-21633-A TCK-3		17G7(INT) MOTOR-GENERATOR UNIT: 17M10(INT) EXCHANGEABLE MOTOR 2 HP, 220/440/3/60, 3480 RPM, SQUIRREL CASE, GENERATOR: 0.72 KW, 1800 V AT 0.4 AMP DC, COMPOUND WOUND 0.35 KW, 500 V DC AT 0.35 AMP, 115 V DC AT 1.5 AMP *M-8433936 REV 2 5/26/43 CG:5LY1244S AUG. 44	CBP 21639-A NJ-3		61RE 21J1556 MOTOR GENERATOR UNIT MOTOR: 115±10% VOLTS DC, 4.1/5.0 AMPS, 1/2HP, 1800 RPM, GOV. CONTROL, CONTP. WOUND, GENERATOR: 115 ± 3 VOLTS, 1Φ, 60-2.61 AMPS, 86% PF, SHUNT WOUND. SAME AS BASIC NUMBER EXCEPT FOR SUBSTITUTION OF MALLEABLE IRON FOR STEEL AND BRONZE. 6/21/43 CBM:5628Y NOV. 43
CG-21631-A	CG-21631-A	DC AT 1.5 AMP HAS A DETACHABLE GENERATOR RATED AT 12 V DC AT 2.0 AMP, 40°C CONTINUOUS. SAME AS BASIC NUMBER EXCEPT FOR SMALL INTERNAL CHANGES. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH BASIC NUMBER.	CG-21633-A	CG-21633-A	A DETACHABLE GENERATOR RATED AT 12 V DC AT 2 AMP, 40°C CONTINUOUS. SAME AS BASIC NUMBER EXCEPT FOR NUMEROUS SMALL INTERNAL CHANGES. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH BASIC NUMBER.	CBP- 21639-B NJ-3 & NJ-7		MOTOR GENERATOR UNIT MOTOR: 115 ± 10% VOLTS DC, 4.1/5.0 AMPS, 1/2 HP, 1800 R.P.M. GOVERNOR CONTROLLED, COMPOUND WOUND, CONTINUOUS DUTY, GENERATOR: 115 ± 4 VOLTS, 1Φ, 60 CYCLES, 2.61 AMPS, 86% P.F. SHUNT WOUND. SAME AS TYPE -21639-A EXCEPT FOR USE OF MALLEABLE 1/26/45 LC53/LF53 8157, ALI 0 JUN. 45 CBM:5628Y 8158, ALI 0
CG-21632 TCK	* SEE BELOW	MOTOR-GENERATOR UNIT: EXCHANGEABLE MOTOR: 2 HP, 230 VOLTS AT 10 AMPS DC, 3480 RPM, SHUNT WOUND, SLIP RINGS FOR 350 VA AT 163 VOLTS AC; GENERATOR: 0.72 KW, 1800 VOLTS AT 0.4 * 17G7(INT) 3/1/39, 17M17(INT) 9/1/40. CG:W-6626841, REV 2;CG:W-6626802 C1 R1 6/5/41 5LY123A1 SEPT 43	CG-21634 TCR	XA-8845A	BLOWER MOTOR: 5 WATTS 115 V, 0.35 AMP, SINGLE PHASE, 60 CYCLES. 40° C CONTINUOUS 3,000 RPM.	CBP-21639-B		INSTEAD OF CAST IRON END-BELLS AND BASE.
CG-21632	CG-21632	AMP DC, COMPOUND WOUND AND 0.35 KW; 500 V AT 0.35 AMP DC & 115 V AT 1.5 AMPS DC. ALSO DETACHABLE GENERATOR 24 WATTS, 12 VOLTS AT 2 AMPS DC, 40°C CONTINUOUS. SAME AS TYPE CG-21631 EXCEPT FOR MOTOR RATING.	CG-21634	CG:1-5817096 REV 4	6/5/41 5KSC 52HA44 AUG. 42	CBP 21640 NJ-3		61RE21J1557 MOTOR-GENERATOR, SINGLE UNIT. MOTOR END: RATED 24±3 VOLTS DC, 20.1/25.9 AMP, 1/2 HP, 1800 RPM GOVERNOR CONTROLLED. COMPOUND WOUND, CONTINUOUS DUTY. GENERATOR END: 115 ± 3 VOLTS, 60 CYCLES SINGLE PHASE, 2.08 AMP, 86% POWER FACTOR. SHUNT WOUND. 6/14/41 CBM:5628Z NOV. 41
CG-21632-A TCK-3		17G7(INT) MOTOR-GENERATOR: 17M10(INT) EXCHANGEABLE MOTOR: 2HP, 230 V, 10 AMP DC, 3480 RPM, SHUNT WOUND SLIP RINGS FOR 350 VA, AT 163 V AC. GENERATOR: 0.72 KW, 1800 V AT 0.4 AMP DC, COMPOUND WOUND; 0.35KW, 500 V DC AT 0.35 AMP AND 115 V *M-8433934, REV 2, CG:08003 ALI 1 5/26/43 CG:5LY123A5 MAR. 45	CG-21635 TCE-1		MOTOR-GENERATOR UNIT 2 BEARING, MOTOR END: 32 VOLTS DC; 1.5 HP, WITH SPEED REGULATOR TO MAINTAIN 3440 RPM, 40° C CONTINUOUS, COMPOUND WOUND. GENERATOR END: 120 VOLTS, 6-2/3 AMP, 800 CYCLES, 800 WATTS & 14 V, 4 AMP DC; SELF EXCITED FROM 14 VOLT DC WINDING 6/10/41 C-29881 JUNE 42	CG-21641 FC		MOTOR BLOWER: MOTOR RATED 115/1/60, 7.5 WATTS, 2590 RPM, WITH SEPARATE CAPACITOR, CAPACITOR START TYPE. 6/18/41 5KSC52HA42 NOV. 43
CG-21632-A	CG-21632-A	DC AT 1.5 AMP. ALSO HAS A DETACHABLE GENERATOR RATED AT 12 V DC AT 2 AMP, 40°C CONTINUOUS. SAME AS BASIC NUMBER EXCEPT FOR NUMEROUS SMALL INTERNAL CHANGES. ELECTRICALLY & MECHANICALLY INTERCHANGEABLE WITH BASIC NUMBER.	CG-21635	CG:K-8107085 REV 0	6/18/41 5KSC52HA42 NOV. 43	CCP 21642 TCC		PUMP & MOTOR; 20 X 20 RC - 1/4 CAM PUMP, 3 C.P.M. DISCHARGE PRESSURE 30 LB. P.S.I. AT 1140 RPM CONTINUOUS SERVICE. DRIVER IS A TYPE CG-21643 AC MOTOR. 6/24/41 215888 MAR. 42
CG-21633 TCK	* SEE BELOW	MOTOR-GENERATOR UNIT: EXCHANGEABLE MOTOR: 2 HP, 220 OR 440 VOLTS, 3 PHASE, 60 CYCLES, 3480 RPM, 2 POLE SQUIRREL CAGE, GENERATOR: 0.72 KW, * 17G7(INT) 3/1/39; 17M10(INT) AMP T 2 4/1/41. CG:W-6626790 REV 1;CG:W-6626615 REV 1 6/5/41 5LY124A1 SEPT 43	CG-21636 TCE-1		MOTOR-GENERATOR UNIT: 2 BEARINGS, MOTOR END 120 V DC, 1.5 HP, WITH SPEED REGULATOR TO MAINTAIN 3440 RPM, 40°C CONTINUOUS, COMPOUND WOUND. GENERATOR END 120 VOLTS, 6-2/3 AMPS, 800 CYCLES, 800 WATTS AND 14 VOLTS, 4 AMPS DC, SELF EXCITED FROM 14 VOLT DC WINDING 6/10/41 C-29706 JUNE 42	CG-21643 TCC		AC MOTOR; RATED 1/4 HP, 115/230 V, 60 CYCLES, SINGLE PHASE, 4.4/2.2 AMP FULL LOAD, 1140 RPM CONTINUOUS DUTY, SEMI-ENCLOSED, 40° C RISE. 6/24/41 5K65A8399 MAR. 42
CG-21633	CG-21633	1800 V AT 0.4 AMP DC, COMPOUND WOUND, AND 0.35 KW, 500 V AT 0.35 AMP DC AND 115 V AT 1.5 AMPS DC. ALSO DETACHABLE GENERATOR 24 WATTS, 12 V DC AT 2 AMPS, 40°C CONTINUOUS. SAME AS TYPE CG-21631 EXCEPT FOR MOTOR RATING.	CG-21636	CG:W-5051426 REV 0	6/24/41 215888 MAR. 42	CAT 21644 TBK-11		17-C-10A AC MOTOR CONTROLLER RATED 5 HP, 220 VOLTS, 60 CYCLES, SINGLE PHASE, FULL LOAD CURRENT 26 AMPS. SHOCK-PROOF, SEMI-AUTOMATIC, DRIP-PROOF. 6/24/41 NOV. 41
CG-21633	CG-21633	1800 V AT 0.4 AMP DC, COMPOUND WOUND, AND 0.35 KW, 500 V AT 0.35 AMP DC AND 115 V AT 1.5 AMPS DC. ALSO DETACHABLE GENERATOR 24 WATTS, 12 V DC AT 2 AMPS, 40°C CONTINUOUS. SAME AS TYPE CG-21631 EXCEPT FOR MOTOR RATING.	CG-21637 TCE-1		MOTOR-GENERATOR, 2 BEARING MOTOR END: 230 VOLTS DC; 1.5 HP; WITH SPEED REGULATOR TO MAINTAIN 3440 RPM, 40° C CONTINUOUS; COMPOUND WOUND. GENERATOR END: 120 VOLTS, 6-2/3 AMP 800 CYCLES, 800 WATTS AND 14 VOLTS, 4 AMP DC SELF EXCITED FROM THE 14 VOLT DC WINDING 6/10/41 C-29706 JUNE 42	CBP 21639 NJ-3		61RE21J1556 MOTOR-GENERATOR, SINGLE UNIT. MOTOR END: RATED 115±10% VOLTS DC 4.1/5.0 AMP, 1/2 HP, 1800 RPM GOVERNOR CONTROLLED, COMPOUND WOUND, GENERATOR END: 115 ± 3 VOLTS, 60 CYCLES, SINGLE PHASE, 2.61 AMPS, 86% POWER FACTOR, SHUNT WOUND. 6/14/41 CBM:5628Y SEPT 43
CG-21633	CG-21633	1800 V AT 0.4 AMP DC, COMPOUND WOUND, AND 0.35 KW, 500 V AT 0.35 AMP DC AND 115 V AT 1.5 AMPS DC. ALSO DETACHABLE GENERATOR 24 WATTS, 12 V DC AT 2 AMPS, 40°C CONTINUOUS. SAME AS TYPE CG-21631 EXCEPT FOR MOTOR RATING.	CG-21638 TCE-1		MOTOR-GENERATOR, 2 BEARING MOTOR END, 115 OR 230/1/60 VOLTS, 1.5 HP, 3440 RPM, 40°C CONTINUOUS, SQUIRREL CAGE. GENERATOR END: 120 VOLTS, 6-2/3 AMP; 800 CYCLES; 800 WATTS AND 14 VOLTS, 4 AMP DC; SELF EXCITED FROM THE 14 VOLT DC WINDING. 6/10/41 C-29535 REV 0 JUNE 42	CBP 21639 NJ-3		61RE21J1556 MOTOR-GENERATOR, SINGLE UNIT. MOTOR END: RATED 115±10% VOLTS DC 4.1/5.0 AMP, 1/2 HP, 1800 RPM GOVERNOR CONTROLLED, COMPOUND WOUND, GENERATOR END: 115 ± 3 VOLTS, 60 CYCLES, SINGLE PHASE, 2.61 AMPS, 86% POWER FACTOR, SHUNT WOUND. 6/14/41 CBM:5628Y SEPT 43

Class 21—Electrical Machines

3.21-35

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21645	MDA	61RE21JT559	CDO 21652	* SEE BELOW		CG-21659	TBC-3	17-W-10(INT)
MOTOR-GENERATOR SET CONSISTS OF TYPE CBP-21605 MOTOR-GENERATOR AND TYPE CBP-21349 GENERATOR, ACCESSORIES AND BED PLATE. ELECTRICALLY IDENTICAL WITH CBP-21604, BUT HAS LOWER BED PLATE AND SEPARATELY MOUNTED TERMINAL AND FILTER BOXES. 6/25/41 CBM:562BRS ESCO:7398, 7395 DEC. 41 7396, 7397.			MOTOR-GENERATOR SET. CONSISTS OF A BED PLATE, ACCESSORIES, TYPE CDO-21650 AC - DC GENERATOR BELT DRIVEN BY A TYPE CAY-21653 AC MOTOR, AND A TYPE CAY-21654 MAGNETIC CONTROLLER. * ACCESSORY FOR TBW, TBW-1. 6/27/41 75200 SUB 0 NOV. 41			AC MOTOR RATED 10 HP, 1725 RPM, 115/230 VOLTS, 3 PHASE, 60 CYCLES, 54/27 AMP FULL LOAD SEMI-ENCLOSED, DRIP-PROOF, CONTINUOUS DUTY. 7/15/41 5KF3248401 CG:K-6629858. NOV. 41 REV 0		
CBX 21646	MEA		CAY 21653	* SEE BELOW		CG-21660	TBC-3	17-M-10(INT)
AC MOTOR SPEED REDUCER TYPE. RATED 6.5 INCH-OUNCE TORQUE, 110 VOLTS, 60 CYCLES, SINGLE PHASE, 8 WATTS, 60 RPM. USES TYPE -481302 CAPACITOR, 0.8 MFD. 6/27/41 KYC-23 CRY:M-421368 NOV. 41 SUB 0			REPULSION INDUCTION MOTOR: RATED 3 HP, 115/230 VOLTS SINGLE PHASE 25 CYCLES, 1425 RPM. REPULSION INDUC-TION. * ACCESSORY FOR TBW, TBW-1 6/27/41 CR FRAME F-225 CDO:75200 OCT. 42 SUB 0			AC MOTOR RATED 15 HP, 1725 RPM, 115/230 VOLTS, 3 PHASE, 60 CYCLES, 74/38 AMP FULL LOAD. SEMI-ENCLOSED, DRIP-PROOF, CONTINUOUS DUTY. 7/15/41 5KF3268310 CG:K-6629857 NOV. 41 REV 0		
CBX 21646-A	QCP		CAY 21654	TBW 4 TBW-1		CG-21661	TBC-3	17 C 10(INT)
A.C. MOTOR: SPEED REDUCER TYPE. RATED 6.5 INCH-OUNCE TORQUE; 110 V, 60 CY, SINGLE PHASE, 8 WATTS; 60 RPM. IDENTICAL TO BASIC NUMBER EXCEPT HAS BALL BEARINGS INSTEAD OF SLEEVE BEARINGS. 3/23/43 CBX:KYC-23RB CRY:M-421368-2 AUG 43 SUB 4			AC MAGNETIC CONTROLLER RATED 3 HP, 115 VOLTS SINGLE PHASE, 25 CYCLES. 6/27/41 CLASS 11-200 M-7407959 SUB 1 NOV. 41 SIZE 1			MAGNETIC CONTROLLER: RATED 18 HP, 440 V, 3 PHASE 25 CYCLES, 15.7 AMP FULL LOAD, 89 AMP STARTING. 7/15/41 11K1425G1 CG:11K1425 APR. 42 REV 2		
CDO 21647	* SEE BELOW		CG-21655	QCQ-QCR	6RE21J1560	CG-21662	TBC-3	17 C 10(INT)
AC - DC GENERATOR RATED 1/0.028 KW; 800 CYCLES AC/DC; 120/14 VOLTS; 9.8/20 AMPS, 2666 RPM, 86% POWER FACTOR, 40° C CONTINUOUS. FILTER BOX MOUNTED ON FRAME. * ACCESSORIES FOR TBW, TBW-1. 6/27/41 OTC 75079 SUB 0 NOV. 41			DYNAMO ELECTRIC AMPLIFIER UNIT. MOTOR RATED: 3/4 HP, 440/3/60, 3450 RPM, 1.2 AMP FULL LOAD, 40° C CONTINUOUS, DRIP PROOF, AMPLIFIER: 3450 RPM, 0 TO ± 250 VOLTS DC, 1.5 AMPS. *SAM49A87: CBM TYPE 8280. **CG:M-5051425, SUB 1; CBM:8280. 7/10/41 5K47L5 **SEE ABOVE JUNE 42 *SEE ABOVE			MAGNETIC CONTROLLER: RATED 15 HP, 440 V, 3 PHASE, 25 CYCLES, 20.4 AMPS FULL LOAD, 122 AMPS STARTING. SEMI-AUTOMATIC. 7/15/41 11K1425G1 CG:11K1423 APR. 42 REV 2		
CDO 21648	*SEE BELOW			40° C CONTINUOUS, DRIP-PROOF, 21655		CG-21663	TBC-3	17-C-10(INT)
MOTOR-GENERATOR SET CONSIST OF BED PLATE, ACCESSORIES, TYPE CDO-21650 AC - DC GENERATOR BELT-DRIVEN BY A TYPE CAY-21649 AC MOTOR, AND A TYPE CAY-21651 MAGNETIC CONTROLLER. *ACCESSORIES FOR TBW, TBW-1.2 6/27/41 MG-1008 75200 SUB 0 AUG. 44						MAGNETIC CONTROLLER RATED 10 HP, 230 VOLTS, 3 PHASE, 60 CYCLES, 27 AMP FULL LOAD, 135 AMP STARTING. 7/15/41 11K1424G1 CG:11K1424, NOV. 41 REV. 0		
CAY 21649	* SEE BELOW		CG-21656	QCQ, QCR	6RE21J1561	CG-21664	TBC-3	17-C-10(INT)
REPULSION INDUCTION MOTOR: RATED 3 HP, 115/230 VOLTS, SINGLE PHASE 60 CYCLES, 1725 RPM. * ACCESSORIES FOR TBW, TBW-1. 6/27/41 CR FRAME F-225 CDO:75200 SUB 0 OCT. 42			DC MOTOR RATED 1/3 HP, 1725 RPM, 250 VOLT ARMATURE, 75 VOLT FIELD, 1.4 AMP FULL LOAD, 50° C CONTINUOUS, SEMI-ENCLOSED. *CG:M-5051424 REV. 1, CBM:873-1. 7/10/41 CBM:873-1 *SEE ABOVE JUNE 42			MAGNETIC CONTROLLER RATED 15 HP, 230 VOLTS, 3 PHASE, 60 CYCLES, 39.5 AMPS. 7/15/41 11K1422 CG:11K1422 NOV. 41 REV. 0		
CDO 21650	* SEE BELOW		CG-21657	TBC-3	17-M-10(INT)	CRX 21665	PH. SH. SJ	
AC - DC GENERATOR. RATED 1/0.28 KW; 120/14 VOLTS; 800 CYCLES AC/DC; 9.8/20 AMPS, 2666 RPM, 86% POWER FACTOR, 40° C CONTINUOUS. FILTER BOX MOUNTED ON FRAME. * ACCESSORY FOR TBW, TBW-1. 6/27/41 OTC 75076 SUB 1 NOV. 41			AC MOTOR. RATED TO HP, 1425 RPM, 220/440 VOLTS, 3 PHASE, 25 CYCLES, 27.4/13.7 AMP FULL LOAD. SEMI-ENCLOSED, DRIP-PROOF, CONTINUOUS DUTY. 7/15/41 5KF364Y12 CG:WW-5938035. NOV. 41 REV. 1			BLOWER MOTOR; OPERATES AT 115 V AC/DC, 0.16 AMP, 4500 RPM, SERIES WOUND, DRIVES A STANDARD TORRINGTON PADDLE WHEEL IN FREE AIR AT 4500 RPM WITHOUT OVERHEATING. 2/9/42 CW:KS-5604 MAR. 42 LIST 01		
CAY 21651	* SEE BELOW		CG-21658	TBC-3	17-M-10(INT)	CAY 21666	TBM-7	17-M-9
AC MAGNETIC CONTROLLER RATED 3 HP; 115 VOLTS SINGLE PHASE, 60 CYCLES. * ACCESSORY FOR TBW, TBW-1. 6/27/41 CLASS 11-200 M-7407959 NOV. 41 SIZE 1. SUB 0			AC MOTOR RATED 15 HP, 1450 RPM 220/440 VOLTS, 3 PHASE, 25 CYCLES, 40.8/20.4 AMP FULL LOAD. SEMI-ENCLOSED, DRIP-PROOF, CONTINUOUS DUTY. 7/15/41 5KF365Y33 CG:WW-5938036. NOV. 41 REV. 1			MAGNETIC CONTROLLER. RATED 5 HP, 115 VOLTS DC. SEMI-AUTO-MATIC. 7/23/41 CAY:53-J-406 NOV. 41 SUB 3		

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CAY 21667	TBM-7	17-M-9	CAY 21675	TBM-7		CG-21683	RBD	
MAGNETIC CONTROLLER RATED 5 HP, 230 VOLTS DC. SEMI-AUTO-MATIC.			MOTOR-GENERATOR SET. FOR OPERATION FROM 115 VOLTS DC. CON-SISTS OF A TYPE -21678 DRIVING MOTOR, TYPE -21679 LOW VOLTAGE AND BIAS GENER-ATOR, TYPE -21680 HIGH VOLTAGE GENERATOR ACCESSORIES AND BED-PLATE.			DYNAMOTOR FILTER UNIT: FOR 12 V DC SUPPLY, INCLUDES A NAVY TYPE CC-21685 DYNAMOTOR AND AN APPROPRIATE FILTER UNIT. OUTPUT: 12.7 VOLTS, 1.15 AMPS DC AND 225 VOLTS, 105 MA DC.		
7/23/41 NOV. 41		CAY:33-J-408 SUB 3	8/9/41 OCT. 42		CAY:33-J-182, SUB. 6	8/11/41 OCT. 42	4NY30A1	M-7466584 REV 1
CAY 21668	TBM-8	17-C-10(INT)	CAY 21676	TBM-7		CG-21684	RBD	
MAGNETIC CONTROLLER RATED 5 HP, 220/3/60.		5/1/40	MOTOR-FILTER SET. FOR OPERATION FROM 230 VOLTS DC. CON-SISTS OF A TYPE -21681 DRIVING MOTOR, TYPE -21679 LOW VOLTAGE AND BIAS GENER-ATOR, TYPE -21680 HIGH VOLTAGE GENERATOR ACCESSORIES AND BED PLATE.			DYNAMOTOR FILTER UNIT: FOR 24 V DC SUPPLY, INCLUDES A NAVY TYPE CC-21686 DYNAMOTOR AND AN APPROPRIATE FILTER. OUTPUT: 12.7 V, 1.15 AMPS DC AND 225 VOLTS 105 MA DC.		
7/23/41 NOV. 41		CAY:33-J-407 SUB 2	8/9/41 OCT. 42		CAY:33-J-181, SUB 5	8/11/41 OCT. 42	M-7466584 REV 1	
CAY 21669	TBM-7	TBK-13	CAY 21677	* SEE BELOW		21685	RBD	XA-8845 A
MAGNETIC CONTROLLER RATED 5 HP, 440/3/60.		17-C-10(INT)	MOTOR-GENERATOR SET FOR OPERATION FROM 220/440/3/60. CONSISTS OF A TYPE -21682 DRIVING MOTOR, TYPE -21679 LOW VOLTAGE AND BIAS GENERATOR, TYPE -21680 HIGH VOLTAGE GENERATOR, ACCESSORIES AND BED PLATE. * TBM-7, 8, TBK-13.			DYNAMOTOR: INPUT 11.5 V, 6-2 AMPS DC, OUTPUT 12.7 V AT 1.15 AMP DC AND 225 V AT 0.105 AMP DC, 5000 RPM.		
7/23/41 NOV. 41		CAY:33-J-405 SUB. 3	8/9/41 OCT. 42		CAY:33-J-183, SUB. 5	8/11/41 OCT. 42	CC:DMO-416	CG:M-7466027 REV 4
CG-21670	* SEE BELOW		CAY-21678	TBM-7		21686	RBD	XA-8845A
BLOWER MOTOR 115 VOLTS, SINGLE PHASE, 60 CYCLES, 2850 RPM FULL LOAD.			D.C. MOTOR: RATED 5 HP, 115V, DC 44 AMPS, 4/2 POLES, 1750 RPM, 40° C CONTINUOUS DUTY. COLLEC-TOR WINGS SUPPLY 535 WATTS, 81 VOLTS 60 CYCLES SINGLE PHASE. (CAY-33-J-180, SUB 6) CAY-33-J-179 SUB 4			DYNAMOTOR: INPUT 23.7 VOLTS DC, 3.00 AMPS, OUTPUT: 12.7 VOLTS AT 1.15 AMP DC & 225 VOLTS AT 0.105 AMP DC, 5000 RPM.		
* FC & FD(10073). 7/25/41 SKSC 52HA36 MAR. 44			8/9/41 AUG. 44		17-M-9d	8/11/41 OCT. 42	CC:DMO-416	CG:M-7466027 REV 4
CAY 21671	TBK-11		CAY 21679	* SEE BELOW	17-G-7(INT)	CG-21687	TCX	
MOTOR-GENERATOR SET. CONSISTS OF A TYPE CAY-21517 HIGH VOLT-AGE DC GENERATOR, TYPE CAY-21518 LOW VOLTAGE AND BIAS GENERATOR, TYPE CAY-21672 AC DRIVING MOTOR, ACCESSORIES AND BED-PLATE.			LOW VOLTAGE AND BIAS GENERATOR. RATED 1000 AND 275 VOLTS DC, 0.075/0.92 AMP, 0.075/0.253 KW, 1750 TO 1810 RPM, 40° C CONTINUOUS DUTY.			DYNAMOTOR - FILTER UNIT. FOR 12 VOLTS DC SUPPLY; INCLUDES A NAVY TYPE CG-21689 DYNAMOTOR AND AN APPRO- PRIATE FILTER UNIT. OUTPUT: 12.75 V AT 2.82 AMPS DC, 260 V AT 81.5 MA DC, 510 V AT 162 MA DC.		
8/1/41 NOV. 41		CAY:33-J-223, SUB 1	8/9/41 OCT. 42		SK-X204	8/11/41 OCT. 42	CC:M-7467247	REV 5
CAY 21672	TBK-11		CAY 21680	* SEE BELOW	17-G-7(INT)	CG-21688	TCX	
AC MOTOR RATED 5 HP, 110/220 VOLTS, 52/26 AMP, SINGLE PHASE, 60 CYCLES, 1750 RPM, 40° C CONTINUOUS.			HIGH VOLTAGE GENERATOR. 3/1/39 RATED 2000 AND 3000 VOLTS DC, 0.75/0.35 AMP, 1.5/1.05 KW, 1750 TO 1810 RPM, 40° C CONTINUOUS DUTY.			DYNAMOTOR-FILTER UNIT: FOR 24 V DC SUPPLY; INCLUDES A NAVY TYPE CG-21690 DYNAMOTOR AND AN APPROPRIATE FILTER UNIT. OUTPUT: 12.75 V AT 2.82 AMPS DC, 260 V AT 81.5 AMPS DC AND 510 V AT 16.2 AMPS DC.		
8/1/41 NOV. 41	CG-WH284	CAY:5-B-7926 SUB. 1	8/9/41 OCT. 42		SK-X284	8/11/41 OCT. 42	4NY29A1	CG:M-7467247 REV 5
CAY 21673	TBO-2		CAY 21681	TBM-7	17-M-9D	CG-21689	TCX	
MOTOR-GENERATOR SET. FOR OPERATION FROM 115 VOLTS DC. CON-SISTS OF A TYPE -21674 DRIVING MOTOR, TYPE-21445 LOW VOLTAGE AND BIAS GENER-ATOR, TYPE -21446 HIGH VOLTAGE GENERATOR ACCESSORIES AND BED-PLATE.			DC MOTOR: RATED 5 HP, 230 VOLTS DC, 22 AMP, 4/2 POLE, 1750 RPM, 40° C CONTINUOUS DUTY. COLLECTOR RINGS SUPPLY 535 WATTS, 162 VOLTS, 60 CYCLES SINGLE PHASE.			DYNAMOTOR: INPUT: 12 VOLTS AT 20 AMPS, OUTPUT: 2.82 AMPS AT 12.75 VOLTS DC, 81.5 MA AT 260 VOLTS DC, 162 MA AT 510 VOLTS DC.		
8/7/41 NOV. 41		CAY:33-J-213, SUB. 1	8/9/41 AUG. 42		SK-X254	8/11/41 AUG. 43	CC:DMDDFX-12 V	CC:P-7765051 REV 0
CAY 21674	TBU-2	17-M-17(INT)	CAY 21682	* SEE BELOW	17-M-10(INT)	CG-21690	TCX	
DC MOTOR. RATED 6 HP, 115 VOLTS DC, 54 AMP, 4/2 POLE, 1800 RPM, 40° C CONTINUOUS DUTY. COLLECTOR RINGS SUPPLY 450 WATTS, 81 VOLTS, 60 CYCLES SINGLE PHASE.		9/1/40	AC MOTOR RATED 5 HP, 220/440/3/60, 1750 RPM, 40° C CONTINUOUS.			DYNAMOTOR: INPUT 24 VOLTS AT 10 AMPS, OUTPUT: 2.82 AMPS AT 12.75 VOLTS DC, 81.5 MA AT 260 V DC, 162 MA AT 510 VOLTS DC.		
8/7/41 JUNE 42		CG DWCS 33-J-210 SUB 1, 33-J-211 SUB 2 8/7/41 SK-X254 *SEE ABOVE	8/9/41 OCT. 42		CS-S0254	8/11/41 AUG. 43	DMDDFX-24 VOLT	CC:P-7765051 REV 0

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	
CBP 21691	ACC. FOR JK-9	6IRE 21J 1564	CAE 21699	GENERAL USE		CBP 21706A	WCA	6IRE 21J1563B	
MOTOR GENERATOR: SINGLE UNIT. MOTOR RATED 3/4 HP. 32 (30 TO 38) VOLTS DC, 24/21 AMP, 1800 RPM. GENERATOR RATED 115 ± 10 VOLTS, 2.95 AMPS, 88.5% P.F., 60 CYCLES 1 PHASE, 340 VA. UNIT IS GOVERNOR CONTROLLED.	8/15/41 OCT. 42	CBM:562CE CBP:7521.7525 CBM:562CE	MAGNETIC CONTROLLER 115 V DC, 5 HP, SEMI-AUTOMATIC, REDUCED VOLTAGE STARTER, DRIP-PROOF, FOR USE WITH NAVY TYPE CC-21690.	8/21/41 NOV. 41	6842	MOTOR GENERATOR SET: FOR OPERATION FROM 175 TO 335 VOLTS DC. CONSISTS OF A TYPE CBP-21707 DRIVING MOTOR AND AC-DC GENERATOR, TYPE CBP-21349 HIGH VOLTAGE DC GENERATOR, ACCESSORIES AND BEDPLATE. SAME AS BASIC NUMBER EXCEPT THAT THE WIDTH AND HEIGHT 5/19/42 CBM:562CA CBP:7540 SUB 1	AUG. 42	CBP:U62U61-F52 CBM:562CA SUB 1	
CBP 21692	* SEE BELOW	6IRE 21J 1565	CAE 21700	GENERAL USE				CBP 21706A	
MOTOR GENERATOR, SINGLE UNIT. MOTOR RATED 3/4 HP, 115 ± 10 VOLTS DC, 6.3 AMPS, 1800 RPM. GENERATOR RATED 115 ± 10 VOLTS, 2.95 AMPS, 88.5% P.F., 60 CYCLES, 1 PHASE, 340 VA. UNIT IS GOVERNOR CONTROLLED. * ACCESSORY FOR JK-9.	8/15/41 OCT. 42	CBM:562CD CBP:7522.7526 CBM:562CD	MAGNETIC CONTROLLER 230 V DC, 5 HP. FOR USE WITH NAVY TYPE CC-21523.	8/21/41 NOV. 41	6842			OF THE BEDPLATE HAVE BEEN REDUCED TO 2-1/4" AND 20-1/4" RESPECTIVELY, AND THE INSTALLING ACTIVITY MUST DRILL THE HOLES FOR MOUNTING THE BEDPLATE.	
CAY 21693	TBU-2	17 C 17 (INT) 11/1/40	CC-21701	GENERAL USE		CBP 21707	WCA-1	6IRE 21J 1563	
MAGNETIC CONTROLLER RATED 115 V DC, 6 HP, SEMI-AUTOMATIC.	8/16/41 AUG. 42	CAY:33-J-721 SUB 9	MOTOR GENERATOR MOTOR 32 V DC, 16.5 AMP, 0.5 HP, 1800 RPM. GENERATOR 115/1/60, 2.17 AMP, 0.250 KVA, 250 WATTS AT UNITY POWER FACTOR. SAME AS -21207A EXCEPT FOR INPUT VOLTAGE. SIMILAR TO 21990, 21991.	8/21/41 AUG. 43	D20-DS15-4 C-27129 SUB 0	DC MOTOR/AC-DC GENERATOR UNIT: MOTOR RATED 5.5 HP, 175 TO 335 V DC, 30/15.7 AMPS, 1300 RPM, COMPOUND WOUND, GENERATOR RATED 75 V DC, 14 AMPS EXTERNAL LOAD, COMPOUND WOUND, AND 120 VOLTS, SINGLE PHASE, 60 CYCLES, 11.3 AMPS, 92% POWER FACTOR.	9/11/41 NOV. 41	CBP:7365 CBM:562CA SHT 2	
CAY 21694	TBU-3	17 C 10 (INT) 1 NOV. 1940	CC-21702	GENERAL USE		CC-21708	* SEE BELOW		
MAGNETIC CONTROLLER RATED 220/3/25, 6 HP, SEMI-AUTOMATIC.	8/16/41 AUG. 42	CAY:33-J-722 SUB 7	MOTOR GENERATOR UNIT MOTOR 220 VOLTS DC, 2.4 AMPS, 0.5 HP, 1800 RPM. GENERATOR 115/1/60 2.17 AMP, 0.250 KVA, 250 WATTS AT UNITY PFC. SAME AS -21207A EXCEPT FOR INPUT VOLTAGE.	8/21/41 JUNE 42	D20-DS15-4 C-27129 SUB 0	MOTOR GENERATOR UNIT MOTOR RATED 12 HP, 120 V, 90 AMP DC, 1800 RPM. GENERATOR RATED 440/3/60, 9.83 AMP, 7.5 KVA. SIMILAR TO CC-21371A. ALL STEEL CONSTRUCTION AND INCLUDES IMPROVED COMPONENTS. * UNDERWATER SOUND	9/18/41 JUNE 42	D-326X MOTOR DS-326X GENERATOR	
CAY 21695	TBU & TBU-1	17 C 10 (INT) 1 NOV 1940	CAY 21703	TBU-3		CAE 21709	* SEE ABOVE		
MAGNETIC CONTROLLER RATED 220/3/60, 6 HP, SEMI-AUTOMATIC.	8/16/41 AUG. 42	CAY:33-J-720 SUB 9	MOTOR GENERATOR SET FOR OPERATION FROM 220/440/3/25. CONSISTS OF A TYPE -21704 DRIVING MOTOR, TYPE -21445 LOW VOLTAGE AND BIAS GENERATOR, TYPE -21446 HIGH VOLTAGE GENERATOR, ACCESSORIES AND BEDPLATE.	8/26/41 NOV. 41	CAY:33-J-215 SUB 1	MAGNETIC CONTROLLER 12 HP, 120(105-130) VOLTS DC.	9/14/41 MAR. 42	CAE:3073	
CAY 21696	TBU-3	17 C 10 (INT) 1 NOV 1940	CAY 21704	TBU-3	17 M 10 (INT) 15 MAY 1938	CAY 21710	* SEE BELOW		
MAGNETIC CONTROLLER RATED 440/3/25, 6 HP, SEMI-AUTOMATIC.	8/16/41 AUG. 42	CAY:33-J-724 SUB 7	AC GEARMOTOR RATED 6 HP, 220/440/3/25; 16.8/8.4 AMP, 50° C CONTINUOUS. MOTOR SPEED 1450 RPM FULL LOAD, GEAR-MOTOR SHAFT 1810 RPM, SEMI-ENCLOSED, DRIP-PROOF.		CS-SL-254	MAGNETIC CONTROLLER 6 HP, 230 V DC, DRIP-PROOF, SEMI-AUTOMATIC. SAME AS CAY-21410 EXCEPT USES TYPE MG OVERLOAD RELAY AND HAS BEEN COMPLETELY REMODIFIED TO MAKE UNIT MORE SHOCK-PROOF.	* TBU, TBU-1, TBU-2.	9/20/41 AUG. 42	CAY:33-J-719 SUB 10
CAE 21697	WCA-1	19RE 21J 1562	⊖ CAY: 31-J-970 SUB 9 & 31-J-971 SUB 7. 8/26/41 CS-SL-254 ⊖ SEE ABOVE MAR. 43	CNR 21705	ML, ML-1	CRV 21711	AYA		
MAGNETIC CONTROLLER RATED 6 HP, 250 (175 TO 335) VOLTS DC, SEMI-AUTOMATIC.	⊖ (CBM DWG 434 AR SUB 0, SHEETS 1 & 2) & (CAE DWGS 3838 SUB 0 AND 3838A SUB 0). 8/19/41 (CBM) 434AR ⊖ SEE ABOVE NOV. 41		DYNAMOTOR-FILTER UNIT: INPUT: 115 VOLTS DC AT 3 AMPS. OUTPUT: 500 V DC AT 0.35 AMPS DC, 3600 RPM.	9/4/41 AUG. 42	CNR:395 B-10 CNR:395 B10-2	DYNAMOTOR-FILTER UNIT INPUT 13.5 (12-14) VOLTS DC AT 11 AMP DC OUTPUT 300 V DC AT 0.2 AMP, AND 9 V AC AT 4 AMP, 5700 RPM. INCLUDES AN ANTI-SHOCK MOUNTING.	9/29/40 MAR. 43	CEK:ML-4115-5 CAY:P-721126 SUB 3	
CC 21698	GENERAL USE		CBP 21706	WCA	6IRE 21J 1563	CRV 21712	AYA-1		
MOTOR GENERATOR UNIT: 2 BEARINGS, MOTOR 115 VOLTS DC, 40 AMPS, 5 HP, 1800 RPM. GENERATOR 115/1/60; 21.8 AMPS, 2.5 KVA, 2 KW AT 94% ADJUSTABLE TO 80% P.F., 50° C CONTINUOUS VOLTAGE REGULATION ± 8%, ALL STEEL CONSTRUCTION. SAME AS -21523 EXCEPT FOR INPUT VOLTAGE.	8/21/41 JUNE 42	D-254, MOTOR CC:C-30394 DS-254, GENERATOR SUB 0	MOTOR GENERATOR SET SHEET 1 FOR OPERATION FROM 175 TO 335 V DC. CONSISTS OF A TYPE CBP-21707 DRIVING MOTOR AND AC-DC GENERATOR, TYPE CBP-21349 HIGH VOLTAGE DC GENERATOR, ACCESSORIES AND BEDPLATE. ⊖ CBP DWG 7540, CBM DWG 562CA SHEET 1. 9/11/41 (CBM) 562CA ⊖ SEE ABOVE MAR. 43			DYNAMOTOR-FILTER UNIT: OPERATES FROM 27 (24 TO 28.6) VOLTS DC AT 5.5 AMP. OUTPUT 300 VOLTS DC AT 0.2 AMP, AND 18 VOLTS AC AT 2 AMP, 5700 RPM. INCLUDES AN ANTI-SHOCK MOUNTING.	9/29/41 MAR. 43	CEK:ML-4115-6 CRV:P-721126 SUB 3	
ASSIGNED	ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY 21713	TBL-6	17 C 17	CBX 21719	YE-1	XA-8845-A	CC-21727	YE-1	17 M 17 (INT)
MAGNETIC CONTROLLER: 3.5 HP 115 V DC, SIMILAR TO -21234A EXCEPT THAT THIS MODEL HAS BETTER SHOCKPROOF CHARACTERISTICS.			BLOWER MOTOR: 1/80 HP, 230 VOLTS DC, 2850 RPM, COUNTER CLOCKWISE ROTATION AS VIEWED FROM SHAFT END, WITH THRUST BEARING TO PERMIT VERTICAL MOUNTING EQUIPPED WITH INTERNAL RF SUPPRESSOR (0.1 MFD 230 VOLTS AC CORNELL DUBILIER TYPE, IF-24-A1)			DC MOTOR: 3 HP 230 V, 1760 RPM, SHUNT WOUND 50° C CONTINUOUS WITH SLIP RINGS TO PROVIDE 115 V, 60 CYCLES, SINGLE PHASE, 550 VA (ALL STEEL CONSTRUCTION). FRAME SIZE D-225X. MOUNTING DIMENSIONS 9" X 7-1/2".		9/1/40
CAY-33-J-828	SUB 20	17-C-17	11/27/41		CRY:P-720519-6	12/11/41		D-225X
10 1/41			JUNE 42		SUB 6	APR. 42		
AUG. 44								
CAY 21714	TBL-6	17 C 17	CBX 21720	YE-1	XA-8845-A	CC-21728	YE-1	17 M 10 (INT)
MAGNETIC CONTROLLER 230 V DC, 3.5 HP, SIMILAR TO -21235A EXCEPT THAT THIS MODEL HAS BETTER SHOCK-PROOF CHARACTERISTICS.			BLOWER MOTOR: 1/80 HP, 115/1/60, 2850 RPM, REVERSIBLE, WITH THRUST BEARING TO PERMIT VERTICAL MOUNTING. INCLUDES INTERNAL RF SUPPRESSOR (3.75 MFD, 330 VOLT AC, CORNELL DUBILIER TYPE CRA-3037CB.)			AC MOTOR: 3 HP, 220/440 VOLTS, 3 PHASE, 60 CYCLES, 1760 RPM, SQUIRREL CAGE, INDUCTION MOTOR, 50° C CONTINUOUS. (ALL STEEL CONSTRUCTION). MOUNTING DIMENSIONS 9" X 7-1/2".		3/15/40
CAY-33-J-829	SUB 18	17-C-17	11/27/41		CRY:P-720519-5	12/11/41		N-225X
10 1/41			JUNE 42		SUB 6	APR. 42		
AUG. 44								
CAY 21715	TBL-6		CG-21721	WEA	6RE 21Z 1566	CC-21729	YE-1	17 G 7 (INT)
MAGNETIC CONTROLLER 220/3/60, 3.5 HP, DRIP-PROOF, SEMI-AUTOMATIC, WITH SHOCK-PROOF FEATURES.			MOTOR GENERATOR SET FOR OPERATION FROM 115 VOLTS DC. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CG-21722 DC DRIVING MOTOR AND TYPE CG-21723 AC GENERATOR.			HY DC GENERATOR; DOUBLE ARMATURE TYPE, ONE ARMATURE TO DELIVER 750 VOLTS, 1.3 AMP DC, AND CAPABLE OF BEING VARIED FROM 350 TO 850 VOLTS BY MEANS OF FIELD RHEOSTAT. THE OTHER ARMATURE TO DELIVER 250 VOLTS AT 0.5 AMP IN ADDITION TO THE CURRENT RE-		3/1/39
CAY-33-J-830			θ CG:MW-6634470 REV 0 & W-6634748 REV 0			12/11/41		D224-222P
10/1/41			11/27/41			APR. 42		
OCT. 42			MAR. 42					
CAY 21716	TBL-6		CG-21722	WEA	6RE 21Z 1566	REQUIRED BY FIELD WINDINGS, CC-21729		
MAGNETIC CONTROLLER 440/3/60, 3.5 HP, DRIP-PROOF, SEMI-AUTOMATIC, SIMILAR TO CAY-21425 EXCEPT HAS BETTER SHOCK-PROOF CHARACTERISTICS.			DC MOTOR RATED 1-1/2 HP, 115 VOLTS DC, 12.2 AMP, 1800 RPM, SHUNT WOUND, 50° C CONTINUOUS, DRIP-PROOF.			1800 RPM. (ALL STEEL CONSTRUCTION) MOUNTING DIMENSIONS 9" X 14 1/2"		
CAY-33-J-831			θ CG:MW-6634470 REV 0 & W-6634748 REV 0					
10/1/41			11/27/41					
OCT. 42			MAR. 42					
CAY 21716A	TBL-7		CG-21723	WEA	6RE 21Z 1566	CG-21730	QCJ-8, QCL-7	6RE 21Z 1566
MAGNETIC CONTROLLER: RATED 3.5 HP, 440/3/60. DRIP PROOF SEMI-AUTOMATIC. SAME AS CAY-21716 EXCEPT THAT THE DUMMY FUSE AND FUSE CLIPS ARE REPLACED BY A SOLID CONDUCTOR. OTHERWISE COMPLETELY ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH			AC GENERATOR RATED 1 KVA, 110 VOLTS, 9.1 AMP, 60 CYCLES, SINGLE PHASE, 0.9 POWER FACTOR, 1800 RPM, 50° C CONTINUOUS, DRIP-PROOF, SEPARATELY EXCITED AT 32 VOLTS.			MOTOR-GENERATOR-DYNAMO AMPLIFIER SET: FOR OPERATION FROM 440/3/60, CONSISTS OF A TYPE CG-21731 DC GENERATOR, TYPE CG-21732 DYNAMO ELECTRIC AMPLIFIER UNIT, BEDPLATE AND ACCESSORIES		
5/12/42			θ CG:MW-6634470 REV 0 & W-6634748 REV 0			12/27/41		CG:MW-5051491
AUG. 44			11/27/41			OCT. 42		REV 1
			MAR. 42					
CAY 21716A			CRY 21724	ATB		CG-21731	QCJ-8, QCL-7	
			DYNAMOTOR ASSEMBLY: INPUT 27.5 VOLTS DC AT 7.4 AMPS. OUTPUT 425 VOLTS AT .32 AMP, 136 WATTS. SPEED 6400 RPM, CONSISTS OF CONTAINER WHICH MOUNTS A DYNAMOTOR AND HOUSES THE CONTROL.			DC GENERATOR: OUTPUT: 60 VOLTS AT 12.5 AMPS DC FOR EXCITING THE FIELD OF THE TRAINING MOTOR AND FOR POLARIZING THE PROJECTOR.		
CAY 21716			12/8/41			12/27/41		CG:MW-5051491
			MAR. 43			AUG. 42		REV 1
CG-21717	YE-1	XA-8845A	CG-21725	YE-1	17 M 17 (INT)	CG-21732	QCJ-8, QCL-7	
BLOWER MOTOR: 1/12 HP, 230 VOLTS DC, 3450 RPM, COUNTERCLOCKWISE ROTATION AS VIEWED FROM THE SHAFT END, EQUIPPED WITH INTERNAL RF SUPPRESSOR CAPACITORS. G.E. CO., CAPACITORS CAT #25F4-250 V DC, .02/.002/.002 MFD.			MOTOR GENERATOR SET FOR 230 VOLTS DC SUPPLY. CONSISTS OF BEDPLATE, ACCESSORIES, AND TYPE CC-21727 MOTOR AND TYPE CC-21729 GENERATOR (ALL STEEL CONSTRUCTION), DRIP-PROOF.			DYNAMO ELECTRIC AMPLIFIER UNIT: INPUT (MOTOR END) 440/3/60 2 KVA, RATED 3 HP, 1725 RPM, OUTPUT (AMPLIFIER): 0 TO ±250 VOLTS DC, AT 0 TO 3 AMPS FOR TRAINING MOTOR ARMATURE.		
11/27/41			12/11/41			12/27/41		CG:MW-5051491
OCT. 42			MAR. 42			AUG. 42		REV 1
CG-21718	YE-1	XA-8845A	CG-21726	YE-1	17 M 10 (INT)	CG-21733	TCG	XA-8845A
BLOWER MOTOR: 1/12 HP, 115/1/60, 3450 RPM, REVERSIBLE, SAME BASE DIMENSIONS AS -21717. G.E. CO., CAPACITORS CAT #25F4-250 V DC, .02/.002/.002 MFD.			M-G SET FOR 220/440 VOLTS, 60 CYCLES, 3 PHASE, SUPPLY. CONSISTS OF BEDPLATE AND TYPE CC-21728 MOTOR AND TYPE CC-21729 GENERATOR, DRIP-PROOF. ALL STEEL CONSTRUCTION.			DYNAMO ELECTRIC AMPLIFIER SET; FOR OPERATION FROM 220/3/25. CONSISTS OF BEDPLATE, ACCESSORIES, TYPE CG-21734 AC DRIVING MOTOR AND TYPE CG-21735 DYNAMO ELECTRIC AMPLIFIER UNIT.		
11/27/41			12/11/41			1/22/42		CG:W-5884079
OCT. 42			MAR. 42			MAR. 42		SUB 1

Class 21—Electrical Machines

3.21-39

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21734	TCG	XA-8845A	CG-21742	* SEE BELOW	GRE 21J 1567	CRR 21748	ATD	
AC MOTOR; RATED 220/5/25, 1/6 HP, 1 AMP, FULL LOAD 1425 RPM, 40° C CONTINUOUS, DRIP-PROOF.			MOTOR-GENERATOR UNIT: MOTOR END: 1.5 HP, 115(105 TO 130) VOLTS DC, 13 AMPS NORMAL, GENERATOR END: 115 VOLTS, SINGLE PHASE, 60 ±1 CYCLES, 0.6 KVA, INCLUDES INTEGRAL SPEED REGULATOR * ACCESSORY FOR WEA-1 Ø GENERATOR SLY 77A31, MOTOR 58C 76A3107 2/4/42 Ø SEE ABOVE			INPUT 28 VOLTS, AMPS DC, RPM, OUTPUT 28 VOLTS, AMPS DC, VOLTS AT AMPS DC.		
1/22/42	5K47EC379	CG:M-5884079	4/4/42		CG:M-5051488	4/9/42	L-72826 A	
JUNE 42		SUB 1	AUG. 42		REV 0	JUNE 42		
CG-21735	TCG	XA-8845A	3600 RPM.		CG-21742	CCL 21749	QFA	
DYNAMO ELECTRIC AMPLIFIER UNIT: RATED 0 TO ±125 V DC, 0.6 AMP, 75 WATTS, 1425 RPM, 40° C CONTINUOUS, DRIP-PROOF.						AC GENERATOR; OUTPUT 115/2/60.		
1/22/42	5AM45DB13	CG:M-5334079				2/13/42		
JUNE 42		SUB 1				MAR. 42		
CG-21736	TCG	XA-8845A	CRM 21743	* SEE BELOW	KS-48, 2/2/42	CVM 21750	SG	
AC MOTOR; RATED 1/4 HP, 220/440/3/25, 1/0.5 AMP FULL LOAD, 1425 RPM, 40° C CONTINUOUS, DRIP-PROOF, SEMI-ENCLOSED.			ROTARY CONVERTER FILTER UNIT: INPUT 110 VOLTS DC AT 1 AMP. OUTPUT 115/1/60 .48 AMP, 1.0 POWER FACTOR, 3600 RPM, 35° C RISE, CONTINUOUS DUTY, SAME AS TYPES -21910, 211048 AND -211049 EXCEPT FOR INPUT. * ACCESSORY FOR DAE			BLOWER MOTOR ASSEMBLY: MOTOR RATED 115/1/60, 1.2 AMPS, 1/20 HP, 1725 RPM, CAPACITY IS 345CFM AND WITH FREE DISCHARGE AT 250 CFM AGAINST 1/4" STATIC PRESSURE.		
1/22/42	5K49BC1304	CG:W-5051457	2/5/42		KS-48	2/14/42	SIZE W-11	C15-16150-A
MAR. 42		SUB 0	AUG. 43		2/2/42	JUNE 42	DES. 9	
CDO 21737	* SEE BELOW		CCL 21744	QFA		CAJ 21751	WEA-1	
MOTOR GENERATOR SET; FOR OPERATION FROM 220/230 VOLTS DC. CONSISTS OF A TYPE CDO-21650 AC/DC GEN- ERATOR, BELT DRIVEN BY A TYPE CAY-21738 DC MOTOR, ACCESSORIES, BEDPLATE AND A TYPE CAY-21739 MAGNETIC CONTROLLER. * ACCESSORY OF TBW-2			MOTOR GENERATOR, SINGLE UNIT: MOTOR END 115/1/60, GENERATOR END 115/2/60. *(MANUFACTURER'S TYPE = TPCPA, FRAME 204Y)			AC MOTOR: CAPACITOR TYPE OPERATES FROM 115/1/60, NONSYNCHRONOUS, INSTANT REVERSING, GEAR REDUCER TYPE, RATED 1/75HP AT 50 RPM OF SHAFT, START- ING TORQUE APPROX. 2-1/2 FT.-LB. BALL BEARINGS, TO OPERATE IN AMBIENT TEMP- ERATURE OF 0° TO 50° C, FIFTY DEGREES C		
1/26/42		CDO:75920	3/19/42	*SEE ABOVE	CAJ:81:942	2/23/42	RWC-3712	CRY:W-305280-66
MAR. 42		6/17/41	MAR. 44		REV 0	AUG. 42		SUB 1
CAY 21738	* SEE BELOW		CG 21745	TBS-3		CAJ 21751		
DC MOTOR; RATED 3 HP, 220/230 VOLTS DC, 12/11.6 AMP, 1750 RPM, SHUNT WOUND, 50° C CON- TINUOUS, DRIP-PROOF.			MOTOR GENERATOR UNIT: MOTOR 1 HP, 250 VDC, 4.8 AMPS FULL LOAD CURRENT, 65 AMPS STARTING CURRENT, 3600 RPM, TEMP RATING 40° C CONTINUOUS, HAS WINDING FOR AC TAKE OFF OF 170 WATTS, .78 AMP, 220 VOLTS, 60 CY, GENERATOR: HIGH VOLTAGE WINDING 306 WATTS, .35 AMP, 3/24/42 5LY57A810 Ø SEE PLATE 2			RISE BASED ON DUTY CYCLE 50% WITH 30 STARTS PER MINUTE. UNIT IS TOTALLY ENCLOSED, AND IS USED WITH A NAVY TYPE CG-481163 7.5 MFD CAPACITOR, SAME AS CAJ-21832 EXCEPT SHAFT IS 6" LONG.		
* ACCESSORY OF TBW-2.	CAT. P-4065,		MAR. 44		58C56A81333			
1/26/42	FRAME F-225	AUG. 1939						
MAR. 42								
CAY 21739	* SEE BELOW		CGO 21745			CAO 21752	TAJ-11	17 C 17
MAGNETIC CONTROLLER; RATED 3 HP, 220/230 V DC.			875 VOLTS DC, LOW VOLTAGE WINDING 60 WATTS, .20 AMP, 300 VOLTS DC, TEMPERA- TURE RATING 40° C CONTINUOUS. MOTOR AND GENERATOR SHUNT WOUND AND EQUIPPED WITH BALL BEARINGS. SIMILAR TO TYPE -211130.			MAGNETIC CONTROLLER: 4 HP * SEE BELOW 115 V DC SEMI-AUTOMATIC.		
* ACCESSORY OF TBW-2.			ØCRY:M-420603 REV 1; CG:W-5050272 GR. 2 REV. 6			* DATED 11/1/40 & AMEND. DATED 5/15/41 2/27/42 MAR. 44		CAO:16521.108 ALT B
1/26/42	CLASS 8512	DLP-37-D-3C2-1						
MAR. 42								
CAE 21740	YE-1		COE 21746	SH		CAO 21753	TAJ-11	17 C 17
MAGNETIC CONTROLLER; RATED 3 HP, 220/3/60., SEMI-AUTOMATIC, DRIP-PROOF.			MOTOR: 115 VOLTS, 1 PHASE; 60 CYCLES, 2.8 AMPS, 1725 RPM, 3/16 HP, 50° C CONTINUOUS. USES A 109 MFD ELEC- TROLYTIC CAPACITOR. CAPACITOR START INDUCTION RUN. (CW SPEC. KS-5616).			MAGNETIC CONTROLLER: 4 HP * SEE BELOW 220 V DC SEMI-AUTOMATIC.		
Ø CAE:2654 ALT 5 FOR DIMENSIONS ONLY 1/31/42 * SEE ABOVE			4/7/42	CPS-61429	CW:ES-800505 ISSUE 1	* DATED 11/1/40 & AMEND. DATED 5/15/41 2/27/42 MAR. 44		CAO:16521.54 CAO:16521.109 ALT B
MAR. 42			JUNE 42					
CAE 21741	YE-1	17 M 90	COE 21747	SH		CG-21754	TAJ-13	17 C 10
MAGNETIC CONTROLLER; RATED 3 HP, 230 V DC, SEMI-AUTOMATIC, DRIP-PROOF.			MOTOR: 115 VOLTS, 1 PHASE, 60 CYCLES, 0.65 AMPS, 500 RPM, 0.25 OUNCE-FOOT, 50° C CONTINUOUS. USES A 9.5 MFD PAPER CAPACITOR. SPLIT CAPACITOR REVERSIBLE TYPE MOTOR. (CW SPEC KS-5617).			MAGNETIC CONTROLLER: 4 HP * SEE BELOW 220 V 3 PHASE 60 CYCLES, SEMI-AUTOMATIC.		
1/31/42		CAE:4701 ALT 0	4/7/42	CPS-681220	CW:ES-800506 ISSUE 1	* DATED 11/1/40 & AMEND. DATED 5/15/41 2/27/42 AUG. 45		CG:11K 1893 ALT B
MAR. 43			JUNE 42					

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21755	TAJ-11	17 C 10	CG-21759-A			CG-21763	SEE BELOW	17 C 7 (INT)
MAGNETIC CONTROLLER: 4 HP * SEE BELOW 440 V 3 PHASE 60 CYCLES, SEMI-AUTOMATIC.			COVER OVER TERMINAL BOX.			LV & BIAS DC GENERATOR: * SEE BELOW 115 V. 2.0 AMPS DC, 250 WATTS, 1200 V, 0.673 AMP DC, 200 WATTS, 1750 RPM, 40° C. CONTINUOUS. ARMATURE INTERCHANGEABLE WITH -21298-A * 3/1/39 & AMEND #3 DATED 2/15/42 @ TAJ-11 & TAJ-13 /27/42 CG: MW-6639960, AUG. 43 ALT 5 61.62 REV 7.3.4		
* DATED 11/1/40 & AMEND, DATED 5/15/41 2/27/42	CG: 11K 1892		21760	TAJ-11	17 M 17 (INT)	CG 21763-A	TAJ-14	17 C 7
AUG. 43	ALT 5		DC MOTOR: 4 HP * SEE BELOW 250 V, 17.8 AMPS DC, 1750 RPM, 40° C CONTINUOUS, WITH SLIP RINGS TO SUPPLY 540 VA, 164 VOLTS, SINGLE PHASE, 60 CYCLES, 3.3 AMPS, UNITY POWER FACTOR.			LV AND BIAS DC GENERATOR: RATED .43 KW TOTAL: 115 VOLTS DC, 2 AMPS 250 WATTS, AND 1200 VOLTS DC, .167 AMP, 200 WATTS; 1750 RPM, 40° C RISE, 50° C AMBIENT. SEMI-ENCLOSED, DRIP-PROOF, COM- POUND WOUND, SELF-EXCITED. IDENTICAL TO BASIC NUMBER EXCEPT FOR IMPROVED DESIGN 10/20/42 58Y153A5 C: MW-8432286.68 NOV. 43 90. REV. 10. 10.5		
CG-21756	TAJ-11		* 8/15/41 & AMEND DATED 2/15/42 2/27/42	CG: MW-6639961		CG 21763-A		
AUG. 43	REV 3		AUG. 43	REV 4		COVER OVER TERMINAL BOX. ARMATURE IN- TERCHANGEABLE WITH -21298-A.		
CG 21756A	TAJ-14		CG 21760-A	TAJ-14	17 M 17	CG 21764	TCJ	* SEE BELOW
MOTOR-GENERATOR SET: INPUT 115 VOLTS DC, CONSISTS OF ACCES- SORIES, BEDPLATE, TYPE CG-21759-A DC MOTOR, TYPE CG-21762-A HV DC GENERATOR AND CG-21763-A LV AND BIAS GENERATOR. ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE WITH BASIC NUMBER. 10/20/42 15A470 CG: MW-8432286 AUG. 44 REV 14			DC MOTOR: RATED 4 HP. 230 VOLTS DC, 17.8 AMPS, 1750 RPM; 40° C RISE, 50° C AMBIENT. SEMI-ENCLOSED, DRIP- PROOF, SHUNT WOUND. INCLUDES SLIP RINGS GIVING OUTPUT OF 540 VA, 162 VOLTS, 3.3 AMPS, 1 PHASE, 60 CYCLES. IDENTICAL TO BASIC NUMBER EXCEPT FOR IMPROVED DESIGN 10/20/42 58Y155A11 CG: MW-8432288 NOV. 43 REV 10			MOTOR GENERATOR UNIT: * SEE BELOW EXCHANGEABLE MOTOR 2 HP, 115 V 17.8 AMPS DC 3480 RPM SHUNT WOUND WITH SLIP RINGS FOR 350 VA AT 81 VOLTS SINGLE PHASE 60 * 17 M 10 (INT) AMEND #4 DATED 2/15/42 @ 17 C 7 (INT) 3/1/39 & AMEND #3 DATED 2/15/42 2/27/42 CG: SLY 123 A3 CG: MW-6639975REV10 NOV. 43 CG: MW-8431204REV2		
CG-21757	TAJ-11		CG 21760-A			CYCLES. GENERATOR 0.72 CG-21764 KW, 1800 VOLTS AT 0.4 AMP DC, COMPOUND WOUND, 175 WATTS, 500 VOLTS AT 0.35 AMP DC & 173 WATTS, 115 V AT 1.5 AMPS DC, 40° C CONTINUOUS. SAME AS TYPE -21631 EXCEPT FOR OMISSION OF DETACH- ABLE GENERATOR.		
AUG. 43	CG: MW-6639962		COVER OVER TERMINAL BOX.			CG 21765	TCJ-1	17 M 10 INT
	REV 4					MOTOR GENERATOR UNIT: * SEE BELOW EXCHANGEABLE MOTOR, 2 HP, 220 OR 440, 3 PHASE, 60 CYCLES, 6.24/3.12 AMPS, 3480 RPM, SQUIRREL CAGE INDUCTION MOTOR. GENERATOR 0.72 KW, 1800 VOLTS AT 0.4 AMP DC, COMPOUND WOUND, 175 WATTS, 500 VOLTS AT 0.35 AMPS DC AND 173 WATTS, 115 VOLTS 2/27/42 CG: SLY124A2 CG: MW-8431497REV9 NOV. 43 CG: MW-8431498REV1		
CG 21757-A	TAJ-14		21761	SEE BELOW	17 M 10 (INT)	CG 21765		
MOTOR-GENERATOR SET: INPUT 230 VOLTS DC, CONSISTS OF ACCES- SORIES, BEDPLATE, TYPE CG-21760-A DC MOTOR, TYPE CG-21762-A HV DC GENERATOR AND CG-21763-A LV AND BIAS GENERATOR. ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE WITH BASIC NUMBER. 10/20/42 15A471 CG: MW-8432286 AUG. 44 REV 14			AC MOTOR: * SEE BELOW 220/440 VOLTS, 10.6/5.3 AMPS, 3 PHASE, 60 CYCLES, 4 HP, 1750 RPM, 40° C CON- TINUOUS. * AMEND #4 DATED 2/15/42 @ TAJ-11, TAJ-13 2/27/42 CG: MW-6639960 AUG. 43 REV 2			MOTOR GENERATOR UNIT: * SEE BELOW EXCHANGEABLE MOTOR, 2 HP, 220 OR 440, 3 PHASE, 60 CYCLES, 6.24/3.12 AMPS, 3480 RPM, SQUIRREL CAGE INDUCTION MOTOR. GENERATOR 0.72 KW, 1800 VOLTS AT 0.4 AMP DC, COMPOUND WOUND, 175 WATTS, 500 VOLTS AT 0.35 AMPS DC AND 173 WATTS, 115 VOLTS 2/27/42 CG: SLY124A2 CG: MW-8431497REV9 NOV. 43 CG: MW-8431498REV1		
CG-21758	* SEE BELOW		G-21762	SEE BELOW	17 C 7 (INT)	CG 21765		
MOTOR GENERATOR SET: INPUT 220/440/3/60, CONSISTS OF BEDPLATE ACCESSORIES AND NAVY TYPES CG-21761 AC MOTOR CG-21762 HV DC GENERATOR, CG-21763 LV & BIAS DC GENERATOR.			V DC GENERATOR: * SEE BELOW 500 V, 0.257 AMP DC, 400 WATTS, 3000 0.4 AMP DC, 1200 WATTS, 1750 RPM, 0° C CONTINUOUS. ARMATURE INTERCHANGE- BLE WITH -21297-A 3/1/39 AMEND #3 DATED 2/15/42 TAJ-11 & TAJ-13 /27/42 CG: MW-6639960, J.C. 43 61.62 R-7.3.4			MOTOR GENERATOR UNIT: * SEE BELOW EXCHANGEABLE MOTOR, 2 HP, 220 OR 440, 3 PHASE, 60 CYCLES, 6.24/3.12 AMPS, 3480 RPM, SQUIRREL CAGE INDUCTION MOTOR. GENERATOR 0.72 KW, 1800 VOLTS AT 0.4 AMP DC, COMPOUND WOUND, 175 WATTS, 500 VOLTS AT 0.35 AMPS DC AND 173 WATTS, 115 VOLTS 2/27/42 CG: SLY124A2 CG: MW-8431497REV9 NOV. 43 CG: MW-8431498REV1		
* TAJ-11 & TAJ-13 2/27/42	CG: MW-6639960		CG 21762-A	TAJ-14	17 C 7	CG 21765		
AUG. 43	REV 2		HV DC GENERATOR: RATED 1.6 KW TOTAL; 1500 VOLTS DC, .257 AMP, 400 WATTS AND 5000 VOLTS DC, .40 AMP, 1200 WATTS; 1750 RPM, 40° C RISE, 50° C AMBIENT. SEMI-ENCLOSE, DRIP-PROOF, COMPOUND WOUND 115 VOLTS DC SEPARATE EXCITATION. IDENTI- CAL TO BASIC NUMBER EXCEPT FOR IM- 10/20/42 58Y154A8 C: MW-8432286.68 NOV. 43 90. REV. 10. 10.5			AT 1.5 AMPS DC, 40° C CONTINUOUS. SAME AS CG-21633 EXCEPT FOR OMISSION OF DETACH- ABLE GENERATOR. * 17 M 10 (INT) AMEND #4 2-15-42; 17 C 7 (INT) 3/1/39, AMEND #3 2/15/42		
CG-21759	TAJ-11	17 M 17	CG 21762-A			CG 21766	TCJ	XA-8846
DC MOTOR: 4 HP * SEE BELOW 115 V, 35.5 AMP DC, 1750 RPM, 40° C CON- TINUOUS, WITH SLIP RINGS TO SUPPLY 540 VA AT 82 VOLTS, SINGLE PHASE, 60 CYCLES, 6.6 AMP, UNITY POWER FACTOR.			PROVED DESIGN COVER OVER TERMINAL BOX. ARMATURE INTERCHANGEABLE WITH -21297-A.			BLOWER MOTOR: 5 WATTS 3000 RPM, 115 V DC, 40° C CONTINUOUS, .25 AMPS.		
* DATED 8/15/41 & AMEND, DATED 2/15/42 2/27/42	CG: MW-6639961		2/27/42	CG: MW-6639966		2/27/42	SPD52EA46	CG: W-5051498
AUG. 43	REV 3		AUG. 43	REV 1		MAR. 44		REV 1
CG 21759-A	TAJ-14	17 M 17	CG 21762-A					
DC MOTOR: RATED 4 HP. 115 VOLTS DC, 35.5 AMPS, 1750 RPM, 40° C RISE, 50° C AMBIENT. SEMI-ENCLOSED, DRIP- PROOF, SHUNT WOUND. INCLUDES SLIP RINGS GIVING OUTPUT OF 540 VA, 82 VOLTS, 6.6 AMPS, 1 PHASE, 60 CY. IDENTICAL TO BASIC NUMBER EXCEPT FOR IMPROVED DESIGN 10/20/42 58Y155A10 CG: MW-8432286 AUG. 43 REV 4								

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBX 21767	*SEE BELOW		CAY 21773A	ASB-3		COL 21777	TCS	
MOTOR: 1/100 HP, 115 VOLTS SINGLE PHASE. 60 CYCLES. .4 AMP, 1725 RPM 60°C CONTINUOUS. 3-5/16" DIA. X 4-3/4" LONG. ONE END OF SHAFT DRIVES ANTENNA SPINNER. OTHER END DRIVES TWO PHASE SINE WAVE GENERATOR. NAVY TYPE -21768. *RADAR EQUIPMENT, MARK 9 (CBX) NC1 3/4/42 CW SPEC APR. 42 KS-5619			BLOWER MOTOR: 120/1800, 6700 RPM. SAME AS CAY-21773 EXCEPT HAS STAINLESS STEEL BEARINGS. SAME AS CAY-21239A EXCEPT THAT THE THREE SHOCK MOUNT FEET ARE OMITTED. BLOWER COVER PLATE IS OMITTED, MOTOR IS RATED FOR 120 VOLTS INSTEAD OF 60 VOLTS. AND 6/26/42 957950 CAY:1-C-5576 MAR. 43 SUB 3			MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, 2 CG-211222 MOTORS EACH RATED 115/1/60, 2.70 AMPS, 1/4HP. CAPACITOR TYPE; 2 EICOR GENERATORS H.V. GENERATOR 425 VOLTS D.C. 0.180 AMPS. CEK-211220; L.V. GENERATOR 240/12.5 VOLT D.C. 0.100/4.0 AMPS, 3450 RPM CLK-211219. COL:255E AUG. 44		
21768	*SEE BELOW		HAS STAINLESS STEEL BEARINGS INSTEAD OF HIGH CARBON STEEL. AIR DISCHARGE 6CFM AT 1800 F/M.	CAY 21773A		CC 21778	TAJ-12	
GENERATOR: 2 PHASE, 20 VOLTS 1/10 AMP 30 CYCLES AT 1725 RPM 60° C CONTINUOUS. PERMANENT MAGNET ROTOR, 4 WINDINGS ON STATOR. SINE WAVE GENERATOR. NO SHAFT AND ATTACHED TO TYPE -21767 BY ADJUSTABLE CLAMP AND SET SCREWS. *RADAR EQUIPMENT, MARK 9 3/4/42 CW SPEC APR. 42 KS-5605						HV GENERATOR: (DC) OUTPUT 1500/3000 VOLTS, .25/.4 AMPS DC. NEGATIVE TERMINAL TO BE GROUNDED EXTERNALLY TO MACHINE. SHUNT WOUND SEPARATELY EXCITED. FIELD VOLTAGE 250 VOLTS DC. SPEED 1760 RPM. 4/10/42 CC:D226X CC:N-31590 MAR. 43		
21769	*SEE BELOW		CAY-21773-B ASB-7B			CC 21779	TAJ-12	
MOTOR GENERATOR SET: CONSISTS OF AC GENERATOR NAVY TYPE -21768 ATTACHED TO MOTOR NAVY TYPE CBX-21767 BY A CLAMPING RING AND SET SCREWS. * RADAR EQUIPMENT, MARK 9 3/4/42 APR. 42			BLOWER MOTOR: 120/1800, 6700 RPM. SAME AS -21773-A EXCEPT LEADS ARE 24" LONG INSTEAD OF 9" LONG. 4/20/44 1171320-A 1-C-5576 JULY 44 SUB 7			GENERATOR: LOW VOLTAGE AND BIAS. OUTPUT 250 VOLTS, AMPS DC. FOR EXCITATION OF NAVY TYPE GENERATOR CC-21778, -250 VOLTS, .5 AMP DC AND + 600 VOLTS .2 AMP DC. POSITIVE 250 VOLT LEAD AND NEGATIVE 600 VOLT LEAD TO BE COMMON AND GROUNDED EXTERNALLY TO MACHINE. 4/10/42 CC:D204X CC:N-31590 MAR. 43		
COL-21770	TCS		COL 21774	TCS		CC 21780	TAJ-12	
DYNAMOTOR ASSEMBLY: CONSISTS OF 2 DYNAMOTORS ENCLOSED IN ONE CASE. DYNAMOTOR #1/#2, INPUT: 12/12V DC, 9.9/3.8 AMPS; OUTPUT: 440/220V DC AT .180/.100 AMPS. ALSO 12 VOLTS, 3.5 AMPS OUTPUT. TOTAL INPUT TO ASSEMBLY IS 12 VOLTS, 17.2 AMPS DC. #1 IS NAVY TYPE 3/18/42 4L6T-3 COL:496C-2 AUG. 44 REV 1			MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, 2 EICOR MOTORS EACH RATED 24V. D.C., 8.5 AMPS 3/16HP. 3450 RPM, 2 EICOR INC. GENERATORS. H.V. GENERATOR 425V. D.C., 0.180 AMPS CEK-211220, L.V. GENERATOR 240/12 VOLTS D.C. 0.100/4.0 AMPS CEK-211219. 3/18/42 CBL:413-C-10 COL:255E AUG. 44 CEK-211266			AC MOTOR: RATED 4 HP, 220/440 VOLTS, 3 PHASE 60 CYCLES. SPEED 1760 RPM. 4/10/42 N254X CC:N-31705 MAR. 43		
COL 21770			COL 21775	TCS		CC 21781	TAJ-12	
CEK-211041, #2 IS NAVY TYPE CWD-211042-B.			MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, 2 CEK-211225 MOTORS EACH RATED 32V. DC, 6.50 AMPS 3/16 HP, 3450 R.P.M.; 2 EICOR INC. GENERATORS. H.V. GENERATOR 425V. D.C. 0.180 AMP. L.V. GENERATOR 240/12.5 VOLTS DC 0.100/4.0 AMPS. H.V. GENERATOR: 3/18/42 413C-3 COL:255E AUG. 44			DC MOTOR: RATED 4 HP, 115 VOLTS DC. SPEED 1760 RPM. EQUIPPED WITH AC WINDING AND SLIP RINGS TO SUPPLY 500 V.A. AT 77 VOLTS AC. 4/10/42 D254RX CC:N-31590 MAR. 43		
CAE 21771	YE-1		COL 21776	TCS, -1-2, -4		CC 21782	TAJ-12	
MAGNETIC CONTROLLER: RATED 3 HP 440/3/60 SEMI-AUTOMATIC, DRIP PROOF. Ø CAE:2654 ALT 5 (DIMENSIONS ONLY) 3/6/42 Ø SEE ABOVE APR. 42			MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, 2 CQR-211224A MOTORS EACH RATED 115V, 2.25 AMPS DC, 3/16 HP 3450 RPM AND 2 GENERATORS: H.V. GENERATOR 450V DC, 0.20 AMPS; L.V. GENERATOR 240/12.5 VOLTS DC 0.100/4.0 AMPS. ALL FOUR MACHINES MANUFACTURED BY 3/18/42 413C-4 COL:255E AUG. 44			DC MOTOR: RATED 4 HP, 230 VOLTS DC. SPEED 1760 RPM. EQUIPPED WITH AC WINDING AND SLIP RINGS TO SUPPLY 500 V.A. AT 154 VOLTS AC. 4/10/42 D254RX JUNE 42		
CAY 21772	RBM, -1, -2		COL 21777	TCS		CC 21783	TAJ-12	
DYNAMOTOR UNIT: INPUT 12(11 TO 14.5) VOLTS DC, 3.0 AMPS. OUTPUT 235 VOLTS DC AT 0.075 AMPS, 0.0176 KW, 7000 RPM. RATED 40°C CONTINUOUS. 3/16/42 957954 CAY:P-7708217 JUNE 42 SUB 2			MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, 2 CQR-211224A MOTORS EACH RATED 115V, 2.25 AMPS DC, 3/16 HP 3450 RPM AND 2 GENERATORS: H.V. GENERATOR 450V DC, 0.20 AMPS; L.V. GENERATOR 240/12.5 VOLTS DC 0.100/4.0 AMPS. ALL FOUR MACHINES MANUFACTURED BY 3/18/42 413C-4 COL:255E AUG. 44			SUPPLY VOLTAGE 220/440 VOLTS, 3 PHASE, 60 CYCLES. CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE MOTOR CC-21780, NAVY TYPE H.V. GENERATOR CC-21778 AND NAVY TYPE L.V. AND BIAS GENERATOR CC-21779. 4/10/42 N:31705 ALT 0 AUG. 43		
CAY 21773	ASB-1		COL 21778	TCS		CC 21784	TAJ-12	
BLOWER MOTOR: 120 VOLTS 800 CY, SINGLE PHASE, 6700 RPM. SAME AS CAY-21239A EXCEPT THAT THE THREE SHOCK MOUNT FEET ARE OMITTED, BLOWER COVER PLATE IS OMITTED, AND MOTOR IS RATED FOR 120 VOLT OPERATION INSTEAD OF 60 VOLTS. HIGH CARBON STEEL BEARINGS. 3/17/42 1-C-5576 MAR. 43 SUB 3			RUSSELL ELECTRIC COMPANY. H.V. GENERATOR CQR-211220-A, L.V. GENERATOR CQR-211219-A. 4/10/42 N:31590 AUG. 43 ALT 0			SUPPLY VOLTAGE 115 VOLTS DC. CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE MOTOR CC-21781, NAVY TYPE H.V. GENERATOR CC-21778, NAVY TYPE L.V. AND BIAS GENERATOR CC-21779. 4/10/42 N:31590 AUG. 43 ALT 0		

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CC 21785	TAJ-12		50° C CONTINUOUS. IN- CLUDES INTEGRAL SPEED REGULATOR.	CBP 21791		CG 21798	TCJ	
MOTOR GENERATOR SET: SUPPLY VOLTAGE 230 VOLTS DC. CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE MOTOR CC-21782, NAVY TYPE H.V. GENERATOR CC-21778, NAVY TYPE L.V. AND RIAS GENERATOR CC-21779.						MOTOR GENERATOR UNIT: EXCHANGEABLE MOTOR 2 HP, 250 VOLTS, 3.9 AMPS DC, 3430 RPM, SHUNT WOUND, WITH SLIP RINGS FOR 350 VA AT 81 VOLTS. SINGLE PHASE, 60 CYCLES. GENERATOR .72KW, 1300 VOLTS AT 0.4 AMP DC, COM- POUND WOUND, 175 WATTS, 500 VOLTS AT 4/13/42 CG:5LY123A4 CG:WN-343180REV9 NOV. 43 CG: K-3431581KEY1		
4/10/42	025ARX	CC:N-31905						
MAR. 43	D226X-0204X	ALT 0						
CG 21786	TCJ-2		CBP 21792	WEA-2	61RE 21J 1574	CG 21798		
ROTARY CONVERTER: INPUT 115 VOLTS DC, 3.1 AMPS, 357 WATTS OUTPUT 110 VOLTS AC, 2.1 AMPS, 19 60 CY. 225 VA. SPEED 3600 RPM.			MOTOR GENERATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CBP-21793 MOTOR-GENERATOR AND A TYPE CBP-21789 COMPOUND GENERATOR.			0.35 AMP DC AND 173 WATTS, 115 VOLTS AT 1.5 AMPS DC 40° C CONTINUOUS. SAME AS CG-21781 EXCEPT FOR OMISSION OF DETACH- ABLE GENERATOR.		
4/10/42	CEK:	A-1003	4/12/42	Y41.5/Y40-F42	CBP:7746	CBM:		
NOV. 43	MODEL 137		OCT. 42	CBM:562 CH	562 CH, SHEET 1			
CBP 21787	WEA-2	61RE 21J 1572	CBP 21793	WEA-2	61RE 21J 1524	CRX 21799	SJ	
MOTOR-GENERATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CBP-21788 MOTOR-GENERATOR AND A TYPE CBP-21789 COMPOUND GENERATOR.			MOTOR GENERATOR: MOTOR SECTION RATED: 3 HP, 210 TO 260 V DC AT 13.5 TO 10.9 AMPS DC GENERATOR SECTION RATED 75 V DC AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160, 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° 4/12/42 Y41.5/Y40-F42 CBP:7749 OCT. 42 CBM:562CF CBM:562 SHEET 1			AC/DC MOTOR: OPERATES AT 115 VOLTS AC/DC, .16 AMPS, 4500 RPM SERIES WOUND. DRIVES A STANDARD TORRIN- TON PADDLE WHEEL IN FREE AIR AT 4500 RPM WITHOUT OVERHEATING. SAME AS -21685 EXCEPT HAS A 3/8" INSTEAD OF 3/4" SHAFT AND IS EQUIPPED WITH MOUNTING FLANGE 4/18/42 CW:KS-5604 CW:ES0-626409-3 JUNE 42 LIST 2 ISSUE 1		
4/10/42	CEK:	A-1003	4/12/42	Y41.5/Y40-F42	CBP:7746	CBM:		
NOV. 43	MODEL 137		OCT. 42	CBM:562 CH	562 CH, SHEET 1			
CBP 21788	WEA-2	61RE 21J 1572	C CONTINUOUS. INCLUDES INTEGRAL SPEED REGULATOR.	CBP 21793		CRX 21799		
MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 30 TO 38 V DC AT 95 TO 75 AMPS DC GENERATOR SECTION RATED 75 VOLTS AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° C CONTINUOUS. 4/12/42 Y41.5/Y40 CBP:7750 OCT. 42 CBM:562 SHEET 2			C CONTINUOUS. INCLUDES INTEGRAL SPEED REGULATOR.			SECURED TO END BELL AND A HALF COUPLING.		
4/12/42	Y41.5/Y40-F42	CBP:7749		4/12/42	Y41.5/Y40	CBP:7746	CBM:	
OCT. 42	CBM:562CF	CBM:562 SHEET 1		OCT. 42	562CA, SHEET 2			
CBP 21788	WEA-2	61RE 21J 1572	INCLUDES INTEGRAL SPEED REGULATOR.	CBP 21788				
MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 30 TO 38 V DC AT 95 TO 75 AMPS DC GENERATOR SECTION RATED 75 VOLTS AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° C CONTINUOUS. 4/12/42 Y41.5/Y40 CBP:7750 OCT. 42 CBM:562 SHEET 2			MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 30 TO 38 V DC AT 95 TO 75 AMPS DC GENERATOR SECTION RATED 75 VOLTS AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° C CONTINUOUS. 4/12/42 Y41.5/Y40 CBP:7750 OCT. 42 CBM:562 SHEET 2			MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 30 TO 38 V DC AT 95 TO 75 AMPS DC GENERATOR SECTION RATED 75 VOLTS AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° C CONTINUOUS. 4/12/42 Y41.5/Y40 CBP:7750 OCT. 42 CBM:562 SHEET 2		
4/12/42	Y41.5/Y40-F42	CBP:7749		4/12/42	Y41.5/Y40	CBP:7746	CBM:	
OCT. 42	CBM:562CF	CBM:562 SHEET 1		OCT. 42	562CA, SHEET 2			
CBP 21789	WEA-2	61RE 21J 1572	CAE 21794	WEA-2		CJM 21800	GENERAL USE	
MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 30 TO 38 V DC AT 95 TO 75 AMPS DC GENERATOR SECTION RATED 75 VOLTS AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND, 50° C CONTINUOUS. 4/12/42 Y41.5/Y40 CBP:7750 OCT. 42 CBM:562 SHEET 2			MAGNETIC CONTROLLER: RATED 3 HP, 95 TO 75 AMPS DC AT 30 TO 38 VOLTS, INCORPORATES OVERLOAD PROTECTION, UNDER-VOLTAGE RELEASE, AND GENERATOR FIELD CIRCUIT DISCHARGE DEVICE.			ROTARY CONVERTER INPUT 115 VOLTS DC, 2.4 AMPS. OUTPUT 110/160, 150 V.A. 1.36 AMPS. SPEED 3600 RPM. SLEEVE TYPE BEARINGS. IS EQUIPPED WITH FILTER UNIT. TEMPERA- TURE RATING 40° C CONTINUOUS.		
4/12/42	Y41.5/Y40-F42	CBP:7749	4/12/42	434AS	CBM:60135	ALT 0		
OCT. 42	CBM:562CF	CBM:562 SHEET 1	AUG. 43	CAE:5206	ALT 0			
CBP 21790	WEA-2	61RE 21J 1573	CAE 21795	WEA-2		CJM 21800-A	MXSR-46065	
MOTOR GENERATOR SET: CONSISTS OF ACCESSORIES BEDPLATE, TYPE CBP-21791 MOTOR-GENERATOR AND A TYPE CBP-21789 COMPOUND GENERATOR.			MAGNETIC CONTROLLER: RATED 3 HP, 27 TO 21.8 AMP DC AT 105 TO 130 VOLTS. INCORPORATES OVERLOAD PRO- TECTION, UNDERVOLTAGE RELEASE, AND GEN- ERATOR FIELD CIRCUIT DISCHARGE DEVICE.			ROTARY CONVERTER: INPUT 115 VOLTS DC, 2.4 AMPS. OUTPUT 110/160, 1.36 AMPS 150 VA, 1.0 PF. 3600 RPM. SELF EXCITED SLEEVE TYPE BEAR- INGS AND EQUIPPED WITH FILTER UNIT. 40° C CONTINUOUS. SAME AS -21800 EXCEPT HAS ADDITIONAL CONDENSERS ACROSS BRUSHES AND 4/3/44 CA-18F JULY 44 CODE WORD "RACIN"		
4/12/42	Y41.5/Y40-F2	CBP:7746	4/12/42	434AT	CBM:60135	ALT 0		
OCT. 42	CBM:562CF	CBM:562 SHEET 1	AUG. 43	CAE:5207	ALT 0			
CBP 21791	WEA-2	61RE 21J 1573	CAE 21796	WEA-2		CJM 21800-A		
MOTOR GENERATOR SET: CONSISTS OF ACCESSORIES BEDPLATE, TYPE CBP-21791 MOTOR-GENERATOR AND A TYPE CBP-21789 COMPOUND GENERATOR.			MAGNETIC CONTROLLER: RATED 3 HP, 13.5 TO 10.9 AMP DC AT 210 TO 260 VOLTS. INCORPORATES OVERLOAD PRO- TECTION, UNDERVOLTAGE RELEASE AND GEN- ERATOR FIELD CIRCUIT DISCHARGE DEVICE.			HAS TROPICAL INSULATION.		
4/12/42	Y41.5/Y40-F2	CBP:7746	4/12/42	434AU	CBM:60135	ALT 0		
OCT. 42	CBM:562CF	CBM:562 SHEET 1	AUG. 43	CAE:5208	ALT 0			
CBP 21791	WEA-2	61RE 21J 1573	CG-21797	MARK 8	17 M 10	CJM 21801	GENERAL USE	
MOTOR-GENERATOR SET: MOTOR SECTION RATED: 3 HP, 105 TO 130 VOLTS DC AT 27 TO 21.8 AMPS. DC GEN- ERATOR SECTION RATED 75 VOLTS DC AT 5 AMPS AND GENERATING FIELDS. ALTERNATOR RATED 120/1160, 3.65 AMPS, 438 VA, 80% PF. UNIT RATED 1800 RPM, COMPOUND WOUND. 4/12/42 Y41.5/Y40 CBP:7742 CBM: OCT. 42 662 CG, SHEET 2			AC MOTOR: 3 HP, 440 VOLTS, 4.27 AMPS, 3 PHASE, 60 CYCLES, 1725 RPM SQUIRREL CAGE INDUCTION MOTOR, ENCLOSED, FAN COOLED. K-225 FRAME, 4 POLE, CON- TINUOUS DUTY. EQUIPPED WITH 10 FT. LBS. STEARNS BRAKE.			ROTARY CONVERTER ASSEMBLY: INPUT 230 VOLTS DC, 1.2 AMPS OUTPUT 110/160, 1.36 AMPS, 150 V. A. SPEED 3600 RPM. SLEEVE TYPE BEARINGS. IS EQUIPPED WITH FILTER UNIT. TEMPERA- TURE RATING 40° C CONTINUOUS.		
4/12/42	Y41.5/Y40-F2	CBP:7746	4/13/42	XS-5916	ISSUE 2	4/21/42	CA-18F, CODE	
OCT. 42	CBM:562CF	CBM:562 SHEET 1	MAR. 43	BSAKE	TYPE S-82A	AUG. 43	WORD "RAFIL"	

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CJM-21801-A		MX8T-45065 ROTARY CONVERTER: INPUT 230 VOLTS DC 1.2 AMPS. OUTPUT 110/1/60, 1.36 AMPS, 150 VA, 1.0 PF 3600 RPM, SELF EXCITED. SLEEVE TYPE BEARINGS. IS EQUIPPED WITH FILTER UNIT. 40°C CONTINUOUS. SAME AS -21801 EXCEPT HAS ADDITIONAL CONDENSERS ACROSS BRUSHES AND 4/3/44 CA-18F JULY 44 CODE WORD "RAFIL"	CAE 21808		GENERAL USE HAND STARTER: RATED 115 VOLTS DC.	CHT21814		SINGLE ARMATURE SHAFT. HAS EXCITER ON END. EXCITER SHAFT IS HOLLOW AND SLIPS ON TO MAIN SHAFT. EXCEPT FOR INPUT OTHERWISE SAME AS CHT-21813. *17 M 9 4/1/36, AMEND. 17 M 9 1/3/38, 17 G 8 8/2/37, AMEND. 17 G 8 8/1/39
CJM-21801-A		HAS TROPICAL INSULATION.	CAE 21809		GENERAL USE HAND STARTER: RATED 230 VOLTS DC.	CAE 21815		GENERAL USE * SEE BELOW MAGNETIC CONTROLLER: RATED 5.5 HP, 105 TO 130 VOLTS DC. SEMI-AUTOMATIC, DRIP-PROOF, 2 STEPS. INPUT 42 TO 57 AMPS. * 17 M 9C, 4/1/36 AMEND 17 M 9A, 1/3/38 Ø CAE:4507 ALT 1; CHT:439-1232 REV C 5/8/42. 6842 Ø SEE ABOVE MAR. 43
CEK 21802		ACC.DP-15 CONVERTER: INPUT 120 VOLTS DC AT 1.52 AMPS. OUTPUT 110/1/60, .10 KVA, .91 AMP, UNITY POWER FACTOR. 3600 RPM.	CC 21810		YE-1 MOTOR GENERATOR SET: FOR 115 VOLT DC SUPPLY. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CC-21811 DC MOTOR AND TYPE CC-21729 DC GENERATOR.	CAE 21816		GENERAL USE *SEE BELOW MAGNETIC CONTROLLER: RATED 5.5 HP, 220-240 VOLTS DC. SEMI-AUTOMATIC, 2 STEPS. DRIP PROOF. EXCEPT FOR VOLTAGE RATING SAME AS -21815. Ø CHT:439-1232 REV C; CAE:4508 ALT 1 *17 M 9C 4/1/36 AMEND. 17 M 9D 1/3/38 5/8/42 6842 Ø SEE ABOVE MAR. 43
CRY 21803		*SEE BELOW DUAL CONVERTER ASSEMBLY: CONSISTS OF NECESSARY FILTERS, FUSES AND SWITCHES TO TRANSFER INPUT AND OUTPUT OF THE TWO TYPE CEK-21802 CONVERTERS WHICH ARE INCLUDED. INTEGRAL CHANGE OVER SWITCH IS TYPE CC-24119. *NECESSARY FOR DP-15 4/26/42 AUG. 42	CC 21811		YE-1 17 M 17 INT DC MOTOR: RATED 3 HP, 115 VOLTS DC, 1760 RPM, 50°C CONTINUOUS. HAS SLIP RINGS TO PROVIDE 115 VOLTS SINGLE PHASE, 60 CYCLES, 550 V.A. UTILIZES ALL-STEEL CONSTRUCTION.	CHT 21817		* SEE BELOW Ø SEE BELOW MOTOR GENERATOR UNIT: INPUT 105 TO 130(115) VOLTS, 94 AMPS DC, 1800 RPM, 12 HP SHUNT WOUND MOTOR. OUTPUT: 440/3/60, 7.5 KVA, 0.65 PF, 9.8 * GENERAL U.W.S. USE Ø 17M9 4/1/36 AMEND. 17M9 1/3/38; 17G8 8/2/37 AMEND. 17G8 8/1/39 5/9/42 CHT:HN-7431 CHT:243-338 AUG. 43
CRY 21804		TBS-3 MAGNETIC CONTROLLER: RATED 3 HP, 230 VOLTS DC. SEMI-AUTOMATIC TOTALLY ENCLOSED.	CAE 21812		YE-1 MAGNETIC CONTROLLER: RATED 3 HP, 115 VOLTS DC. SEMI-AUTOMATIC DRIP-PROOF.	CHT 21817		AMPS, 50° C CONTINUOUS, CHT 21817 TEMPERATURE RISE, DRIP PROOF, HAS SPEED REGULATOR, ± 1 CYCLE FREQUENCY REGULATOR, TWO BALL BEARINGS SINGLE ARMATURE SHAFT. SEPARATELY EXCITED 115 VOLTS DC. EQUIPPED WITH GENERATOR FIELD RHEOSTAT.
CLL 21805		PF MOTOR GENERATOR UNIT: INPUT 115/230, 1 PHASE, 60 CYCLES. OUTPUT 24 VOLTS DC, 150 WATTS, 1725 RPM. SINGLE UNIT, 2 BEARINGS. MOTOR REPULSION INDUCTION MOTOR.	CHT 21813		GENERAL USE *SEE BELOW MOTOR GENERATOR UNIT: INPUT 105-130 (115) VOLTS DC, 51-42 AMPS 1800 RPM, 5.5 HP SHUNT WOUND MOTOR. OUTPUT 115/1/60, 4KVA, .90 PF, 34.8 AMPS. 50°C CONTINUOUS TEMPERATURE RISE, DRIP-PROOF, HAS SPEED REGULATOR, ± 1 CYCLE FREQUENCY VARIATION, BALL BEARINGS (TWO) 5/8/42 HN-4111 CHT:21-1203 AUG. 43 CHT:243-250	CAE 21818		GEN'L UMS USE *SEE BELOW MAGNETIC CONTROLLER: 12 HP, 105 TO 130 VOLTS DC. SEMI-AUTOMATIC, DRIP-PROOF, 2 STEPS. *17 M 9 4/1/36 AMEND. 17 M 9 1/3/38 5/9/42 CAE:4601 ALT 0 CAE:4601 ALT 0 AUG. 43
CLL 21806		GENERAL USE RE-8919A MOTOR ALTERNATOR UNIT: SINGLE UNIT. INPUT: 115 V 8 AMPS DC 1800 RPM. OUTPUT 115/1/60, 500 WATTS AT 94% P.F., 4 BEARINGS. DRIP-PROOF CONSTRUCTION. REGULATION 17-1/2%. HAS FILTER AND LEE SPEED REGULATOR. 50° C CONTINUOUS. 4/29/42 DA OCT. 42	CHT 21813		SINGLE ARMATURE SHAFT. HAS EXCITER ON END. EXCITER SHAFT HOLLOW AND SLIPS ON TO MAIN SHAFT. *17 M 9, 4/1/36, AMEND. 17 M 9 1/3/38, 17 G 8 8/2/37, AMEND. 17 G 8 8/1/39	CHT 21819		* SEE BELOW Ø SEE BELOW MOTOR GENERATOR UNIT: INPUT: 105 TO 130(115) VOLTS, 45 AMPS DC 1800 RPM, 5.5 HP SHUNT WOUND MOTOR. OUTPUT: 440/3/60, 3.5 KVA, 0.82 PF, 4.6 * GENERAL U.W.S. USE Ø 17M9 4/1/36 AMEND. 1/3/38 17G8; 8/2/37 AMEND 8/1/39 5/9/42 CHT:HN-3431 CHT:243-282 AUG. 43
CLL 21807		GENERAL USE RE 8919A MOTOR ALTERNATOR UNIT: SINGLE UNIT. INPUT 230 V, 4 AMPS DC, 1800 RPM. OUTPUT 115/1/60, 500 WATTS AT 94% P.F., 4 BEARINGS. DRIP-PROOF CONSTRUCTION, REGULATION 17-1/2%. HAS FILTER AND LEE SPEED REGULATOR. 60° C CONTINUOUS. 4/29/42 DA OCT. 42	CHT 21814		GENERAL USE *SEE BELOW MOTOR GENERATOR UNIT: INPUT 220-240 (230) VOLTS DC, 25-23 AMPS 1800 RPM, 5.5 HP SHUNT WOUND MOTOR. OUTPUT 115/1/60, 4KVA, .90 PF, 34.8 AMPS. 50°C CONTINUOUS TEMPERATURE RISE, DRIP-PROOF, HAS SPEED REGULATOR, ± 1 CYCLE FREQUENCY VARIATION, BALL BEARINGS (2), 5/8/42 HN-4112 CHT:21-1203 AUG. 43 CHT:243-266	CHT 21819		AMPS TEMPERATURE RISE CHT 21819 50° C CONTINUOUS, DRIP-PROOF, SPEED REGULATOR, ± 1 CYCLE FREQUENCY VARIATION, 2 BALL BEARINGS, SINGLE ARMATURE SHAFT. SEPARATELY EXCITED 115 VOLTS DC. .9 AMP, 104 VOLTS.

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CHT 21820 * SEE BELOW @ SEE BELOW
 MOTOR GENERATOR UNIT:
 INPUT: 220 TO 240(230) VOLTS, 24 AMPS DC
 1800 RPM, 5.5 HP SHUNT WOUND MOTOR. OUT-
 PUT 440/3/60, 3.5 KVA., .82 PF 4.6 AMP TEM-
 * GENERAL U.W.S. USE
 @ 17M9 4/1/36, AMEND 1/3/38; 17G8
 8/2/37 AMEND 8/1/39
 5/9/42 CHT:HN-3432 CHT:243-295
 AUG. 43

PERATURE RISE 50° C CON- CHT 21820
 TINUOUS, DRIP-PROOF,
 SPEED REGULATOR, ±1 CYCLE FREQUENCY
 VARIATION, TWO BALL BEARING SINGLE ARMA-
 TURE SHAFT, SEPERATELY EXCITED 230 YDC.
 .44 AMP, 101 WATTS. EXCEPT FOR INPUT
 OTHERWISE SAME AS CHT-21819.

CHT 21821 * SEE BELOW. @.SEE BELOW
 MOTOR GENERATOR UNIT:
 INPUT: 105 TO 130(115), 14 AMPS DC, 1800
 RPM, 1.75 HP SHUNT WOUND MOTOR. OUTPUT:
 115/1/60, 1.0 KVA, 0.90 PF, 8.7 AMPS,
 * GENERAL U.W.S. USE
 @ 17M9 4/1/36 AMEND. 1/3/38; 17G8
 8/2/37 AMEND 8/1/39
 5/9/42 CHT:HN-1111 CHT:243-323
 AUG. 43

TEMPERATURE RISE 50° C CHT 21821
 CONTINUOUS, DRIP-PROOF,
 HAS SPEED REGULATOR, ±1 CYCLE FREQUENCY
 VARIATION, 2 BALL BEARING, SINGLE ARMA-
 TURE SHAFT. HAS EXCITER ON END WITH
 HOLLOW SHAFT TO SLIP ON MAIN SHAFT.

CAE 21822 GEN.UWS USE *SEE BELOW
 MAGNETIC CONTROLLER:
 ACROSS THE LINE STARTER, RATED 1.75 HP,
 105-150 (115) VOLTS DC, AUTOMATIC, DRIP
 PROOF.

*17M9 4/1/36 AMEND. 1/3/38
 5/9/42 4603 ALT 0 CAE:4603 ALT 0
 AUG. 43

CHT 21823 GEN. UWS USE * SEE PLATE 2
 MOTOR GENERATOR UNIT:
 INPUT: 29 TO 35 (32) VOLTS, 52 AMPS DC,
 1800 RPM, 1.75 HP SHUNT WOUND MOTOR.
 OUTPUT: 115/1/60, 1.0 KVA 0.90 PF, 8.7
 AMPS, TEMPERATURE RISE 50° C CONTINUOUS,
 DRIP-PROOF, HAS SPEED REGULATOR, ±1 CY.
 FREQUENCY VARIATION, TWO BALL BEARING.
 5/9/42 HN-1113 CHT:243-308
 AUG. 43

CHT 21823
 SINGLE ARMATURE SHAFTED. HAS EXCITER ON
 END WITH HOLLOW SHAFT TO SLIP ON MAIN
 SHAFT. EXCEPT FOR INPUT OTHERWISE SAME
 AS CHT-21821.

* 17 M 9 4/1/36, AMEND 1/3/38
 17 G 8 8/2/37, AMEND 8/1/39

CAE 21824 GEN.UWS USE *SEE BELOW
 MAGNETIC CONTROLLER:
 ACROSS THE LINE STARTER, RATED 1.75 HP
 29-35 (32) VOLTS DC, AUTOMATIC, DRIP-
 PROOF.

17M9 4/1/36 AMEND 1/3/38
 *
 5/9/42 4602 ALT 0 CAE:4602 ALT 0
 AUG. 43

CRX 21825 SH & SJ
 MOTOR AC/DC: 1/75 HP,
 115 VOLTS, AC/DC .25 AMP, 3200 RPM
 SERIES WOUND, CONTINUOUS DUTY. SUBSTI-
 TUTE FOR CRX-21799 AS SOON AS PRODUC-
 TION LINE PERMITS.

5/18/42 KS-5957
 JUNE 42 LIST 01

COL 21826 TCS-1.2,3,4
 MOTOR GENERATOR ASSEMBLY
 CONSISTS OF BEDPLATE, 2 CQR-211221 MOTOR
 EACH RATED 24 VOLTS, 10.5 AMPS DC. 3/16
 HP, 3450 RPM; 2 GENERATORS; HV GENERATOR
 430V, 0.2 AMPS DC, LV GENERATOR 240/12.5
 VOLTS 0.10/4.0 AMPS DC. ALL MACHINES
 MANUFACTURED BY RUSSELL ELECTRIC CO.
 5/20/42 413C-2 255E
 AUG. 44

COL 21826
 SAME AS COL-21774 EXCEPT
 FOR MANUFACTURER OF MACHINES. H.V. GEN:
 CQR-211220-A. L.V. GEN CQR-211219-A.

COL- 21827 TCS-4
 MOTOR GENERATOR ASSEMBLY:
 CONSISTS OF BEDPLATE, 2CQR-211223 MOTORS
 EACH RATED 230V, 1.1 AMPS DC. 3/16 HP,
 3450 RPM, 2 GENERATORS: H.V. GENERATOR
 430V DC, 0.2 AMPS, LV GENERATOR 240/12.5
 VOLTS 0.100/4.0 AMPS DC. ALL MACHINES
 MANUFACTURED BY RUSSEL ELECTRIC CO. H.V.
 5/20/42 413C-6 255E
 AUG. 44

CQP- 21827
 GENERATOR CQR-211220A LV GENERATOR
 CQR-211219-A.

COL- 21827-A TSC-12
 MOTOR-GENERATOR
 ASSEMBLY:
 CONSISTS OF BEDPLATE, 2 CAEN-211223-A
 MOTOR, EACH RATED 230V DC, 1.25 AMPS,
 3/16 HP. ONE HV DC GENERATOR NAVY TYPE
 CAEN-211220-C, RATED 430V DC, 0.2 AMPS
 AND ONE LV DC GENERATOR NAVY TYPE
 8/26/44 413C-8 255E-1
 AUG. 44

COL- 21827-A
 CAEN-211219-B RATED 240/12.5V DC. 0.1/4.0
 AMPS. SAME AS -21827 EXCEPT ALL MACHINES
 MADE BY FRACTIONAL MOTORS.

CQP 21828 QBE-1 61RE 21JJ570
 MOTOR GENERATOR UNIT:
 MOTOR RATED 3/4 HP, 32 (30 TO 38) VOLTS
 DC, 31.6 TO 25 AMPS DC, 1300 RPM, GENE-
 RATOR RATED: 115 ± 10 VOLTS, 1 PHASE, 60
 CYCLES, 4 AMPS, 460 VA. UNIT IS
 GOVERNOR CONTROLLED.

5/20/42 CBM:562CU CBM:7874 REV 0
 MAR. 43 CQP:LC55/LF53 7875 REV 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
CBP 21829	QBE-1	61RE 21J 1571	CLL 21835	*SEE BELOW		CRG 21842	DAF			
MOTOR-GENERATOR UNIT: MOTOR RATED 3/4 HP, 115 V DC $\pm 10\%$, 8.3 AMPS, 1800 RPM. GENERATOR RATED: 115 ± 10 VOLTS, 1 PHASE, 60 CYCLES, 4 AMPS, 460 VA, 0.88 PF. UNIT IS GOVERNOR CONTROLLED.			MOTOR-ALTERNATOR UNIT INPUT: 230V DC $\pm 10\%$, 2.2 AMPS OUTPUT: 115 $\pm 1/160 \pm 1$; 250VA, 86% PF, 1800 RPM, DRIPPROOF, SEMI-ENCLOSED, UNIT IS GOVERNOR CONTROLLED, 50°C CONTINUOUS.			DYNAMOTOR ASSEMBLY: CONSISTS OF BEDPLATE, FILTER AND TYPE -21341 DYNAMOTOR UNIT. INPUT: 6 VOLTS, 3 AMPS DC. OUTPUT: 150 VOLTS, 0.03 AMPS DC.				
5/20/42	CBM:562CT	CBP:7876 REV 0	5/30/42	CIP:EC-562MY	ID-1034	6/9/42	CRG:102-GEN			
OCT. 42	CBP:LC53/6F53	7877 REV 0	MAR. 44		ISSUE 1	AUG. 42				
CBP 21830	WCA		CIP 21836	*SEE BELOW		CAJ 21843	SA	XA-8845		
MOTOR-GENERATOR SET: CONSISTS OF A TYPE CBP-21831 DC DRIVING MOTOR, TYPE CBP-21349 HIGH VOLTAGE DC GENERATOR, ACCESSORIES AND BEDPLATE.			MAGNETIC CONTROLLER: RATED: 1/2 HP, 32 V DC. STARTING RELAY IS OPERATED BY SWITCH ON THE INDICATOR. INCLUDES TWO 30 AMP FUSES FOR MOTOR, TWO 10 AMP FUSES FOR ALTERNATOR-MOTOR. ALTERNATOR UNIT IS CLL-21835.			AC MOTOR: OPERATES 115/1/60, 0.4 AMP. GEAR REDUCER TYPE, 40/165 RPM AT SHAFT, CONTROLLED BY SWITCH WHICH OPERATES 16/4 POLES FOR ARMATURE SPEED OF 450/1800 RPM 4 POLE WINDING IS 218 OHMS DC, 16 POLE WINDING IS 185 OHMS DC. TOTALLY EN-6/9/42 R8S-3712 CRV:M-421699-1 AUG. 42 SUB 5				
Ø CBM:562CM	CBP:7844, 7843	SUB 0	5/30/42	CIP:EC-777-GY	CIP:ID-1025					
5/22/42	CBM:562CM	Ø SEE ABOVE	OCT. 42		ISSUE 2					
AUG. 42										
CBP 21831	WCA		CIP 21837	*SEE BELOW						
DC MOTOR/AC-DC GENERATOR: MOTOR END RATED 5.5 HP, 90 TO 160 V DC, 31 TO 55 AMPS, 1800 RPM COMPOUND WOUND, GENERATOR END RATED 75 VOLTS DC, 14 AMPS EXTERNAL LOAD, COMPOUND WOUND, AND 120 VOLTS SINGLE PHASE 60 CYCLES, 11.3 AMPS, Ø CBM:562CM CBP:7844 & 7843 SUB 0			MAGNETIC CONTROLLER: RATED: 1/2 HP, 115 V DC. STARTING RELAY IS OPERATED BY SWITCH ON THE INDICATOR. INCLUDES TWO 20 AMP FUSES FOR MOTOR, TWO 10 AMP FUSES FOR ALTERNATOR-MOTOR-ALTERNATOR UNIT IS CLL-21834.			CLOSED RATED 24 OZ. CAJ 21843 INCHES TORQUE, 50° C CONTINUOUS.				
5/22/42		Ø SEE ABOVE	5/30/42	CIP:EC-777-G	CIP:ID-1025					
AUG. 42			OCT. 42		ISSUE 2					
92% PF. UNIT RATED 40° C	CBP 21831		CIP 21838	*SEE BELOW		CAJ 21844	SA	XA-8845		
CONTINUOUS.			MAGNETIC CONTROLLER: RATED: 1/2HP, 230 V DC. STARTING RELAY IS OPERATED BY SWITCH ON THE INDICATOR. INCLUDES TWO 20 AMP FUSES FOR MOTOR, TWO 10 AMP FUSES FOR ALTERNATOR, MOTOR-ALTERNATOR UNIT IS CLL-21835.			AC MOTOR: OPERATES 115/1/60, 0.5 AMP, 1800 RPM, 1/150 HP, 55° C CONTINUOUS. CAPACITOR START, USE NAVY TYPE -48777, 2 MFD CAPACITOR, WORKING WINDING: 49.5 OHMS DC, CAPACITOR WINDING 158 OHMS.				
			6/30/42	CIP:EC-777-GX	CIP:ID-1025	6/9/42	R8CP-3716	CRV:M-421697-1		
			OCT. 42		ISSUE 2	AUG. 42		SUB 2		
CAJ 21832	QCP		CCL 21839	GENERAL USE		CBH 21845	SA-1	XA-8845		
AC MOTOR-CAPACITOR TYPE: OPERATE FROM 115/1/60, NON-SYNCHRONOUS, INSTANT REVERSING, GEAR REDUCER TYPE, RATED 1/75 HP AT 50 RPM OF SHAFT, STARTING TORQUE, APPROX. 2-1/2 FT. LB. BALL BEARINGS. TO OPERATE IN AMBIENT TEMPERATURE OF 0° TO 50° C, 50° C RISE BASED			FREQUENCY CONVERTER ASSEMBLY: MOTOR GENERATOR SET, BELT DRIVEN, CONSISTING OF ACCESSORIES, BED-PLATE, ONE NAVY TYPE MOTOR -21865 AND ONE NAVY TYPE ALTERNATOR -21866.			AC MOTOR: OPERATES FROM 115/1/60, 1.5 AMPS, GEAR REDUCER TYPE, 54 RPM AT SHAFT, 1725 RPM OF ARMATURE, RATED 1/20 HP, 40° C CONTINUOUS. MAIN WINDING 10.5 \pm 0.6 OHMS DC, START WINDING 12 \pm 0.15 OHMS DC, MOTOR IS GENERAL ELECTRIC TYPE KH, MODEL 5 KH 23AC184.				
5/24/42	RBC-3712	CRV:M-305625-	6/4/42		CCL:F-3776	6/9/42	VMB	CRV:P-720964-1		
AUG. 42		PI17 SUB 0	MAR. 43		REV 3	AUG. 43		SUB 6		
ON DUTY CYCLE 50% WITH 30	CAJ 21832		CBX 21840	RADAR MARK Ø	XA-8845	CAY 21846	TCE-2	17-C-10		
STARTS PER MINUTE. UNIT IS TOTALLY ENCLOSED, AND IS USED WITH A NAVY TYPE CC-431163 7.5 MFD CAPACITOR, SAME AS CAJ-21751 EXCEPT IS WOUND WITH "FORMEX" WIRE AND SHAFT IS 3" LONG.			AC MOTOR: OPERATES FROM 105-125/1/60, SPLIT PHASE INDUCTION. RATED 15 LB.- INCHES TORQUE, 50° C, 40 LB.- INCHES STARTING TORQUE WITH MOTOR HOT. GEAR REDUCER TYPE, SHAFT SPEED 29 RPM, MOTOR ROTOR 1800 RPM TOTALLY ENCLOSED, FAN COILED, DRIP-PROOF			MAGNETIC CONTROLLER: 1.5 HP. FOR OPERATION FROM 208 VOLTS, 3 PHASE, 60 CYCLES. 4.5 AMPS, RATED 50° C CONTINUOUS.				
			6/6/42		Ø SEE PLATE 2	6/10/42		CAY:36-J-350		
			MAR. 43			AUG. 42		SUB 1		
CLL 21833	*SEE BELOW		CBX 21840			CAY 21847	TCE-2	17-C-10		
MOTOR-ALTERNATOR UNIT INPUT 32V DC $\pm 10\%$, 28 AMPS, OUTPUT: 115 $\pm 1/160 \pm 1$; 250VA, 86% PF, 1800 RPM, DRIP-PROOF, SEMI ENCLOSED, UNIT IS GOVERNOR CONTROLLED, 50°C CONTINUOUS.			CONSTRUCTION, ARRANGED FOR FLAT BASE PLATE MOUNTING, FOR-INTERMITTENT DUTY, INPUT CURRENT TO MOTOR 1.65 AMPS.			MAGNETIC CONTROLLER: 1.5 HP, FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLES, 2.0 AMPS, RATED 50° C CONTINUOUS.				
			Ø CBM:5927, ISSUE 2; CBX:MOTOR NSI			6/10/42		CAY:35-J-708		
			FRAME #34RH CAT #84210-604			AUG. 42		SUB 1		
*ACCESSORY FOR NJ-6			CPG 21841	DAF		CAY 21848	TDE			
5/30/42	CIP:EC-562MZ	ID-1034	MOTOR-GENERATOR UNIT: INPUT: 6 V DC, 3 AMPS DC. OUTPUT: 200 V 0.04 AMPS DC.			RECTIFIER POWER UNIT: OPERATES FROM 115 V DC, 12.2 AMPS; 1.4 KW. CONSISTS OF A -211109 MOTOR-GENERATOR SET & RECTIFIER STARTING CONTACTOR. MOTOR IS 115/1/60 CAJ-21831, GENERATOR IS TYPE CAY-21854, RECTIFIER OPERATES FROM MOTOR SLIP-RINGS.				
MAR. 44		ISSUE 1	6/9/42	CPG:JW-20		6/14/42	CAY:M-7408453	CAY:T-7608991		
			AUG. 42			MAR. 44	C-1	SUB 0		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
80/1/60, PROVIDES FILAMENT AND BIAS VOLTAGES. OUTPUT: 80 V. 2.5 AMPS AC, 12/90/550/2000 VOLTS. 1.2/0.06/0.26/0.175 AMPS DC.		CAY 21848	CAY 21854 TDE DC GENERATOR: OUTPUT: 550 V DC, 0.26 AMP, 143 WATTS. AND 2000 V DC, 0.175 AMP, 350 WATTS. 3450 RPM 40° C CONTINUOUS.			CG-21858 SC-2 DC MOTOR: INPUT: 75 VOLTS DC, 0.35 AMP. 1/100 HP, 3400 RPM. SHUNT WOUND. OPEN, DOUBLE SHAFT EXTENSION. BALL BEARINGS. DUTY CYCLE 3 MINUTES ON AND 15 MINUTES OFF.		
CAY-21849 TDE MOTOR-GENERATOR AND RECTIFIER POWER UNIT: OPERATES FROM 250 V DC, 6.1 AMPS, 1.4 KW. CONSISTS OF A -211160 MOTOR-GENERATOR SET, A RECTIFIER AND STARTING CONTACTOR. MOTOR IS TYPE CAY-21852, GENERATOR IS TYPE CAY-21854. RECTIFIER OPERATES FROM MOTOR SLIP RINGS.			6/14/42 OCT. 42			6/17/42 AUG. 42	CG:5BN38HA6 REV 4	CG:T-5817090 REV 4
80/1/60, PROVIDES FILAMENT AND BIAS VOLTAGES. OUTPUT: 160V, 1.25 AMPS, 12/90/550/2000 VOLTS 1.2/0.06/0.26/0.175 AMPS DC.		CAY 21349	CG-21855 QCN-2,QCO-1 6RE 21J 1569 SYNCHRO-CONTROL TRANSFORMER: FOR USE ON AC SYSTEM, SINGLE PRIMARY 115/1/60. NO LOAD VOLTAGE RATIO: 90/50. ROTOR/STATOR: 155 OHMS DC/262 OHMS DC BETWEEN TERMINALS. (ALSO KNOWN AS "SYN- * CG:5CT, DL-M-5914941, CBN:757-274 Θ CG:M-5939183 REV 2; CBN:757-274 SUB 0 6/14/42 * SEE ABOVE Θ SEE ABOVE MAR. 43			CG-21859 SC-2 DC MOTOR: INPUT 250 V DC, 1/3 HP, 2400 RPM. FULL LOAD CURRENT 1.6 AMPS. LOCKED ROTOR 9 AMPS COMPENSATED ALNICO FIELD. MOTOR OF BALL BEARING, OPEN CONSTRUCTION WITH RABBIT MACHINING AND NO BASE. 40° C CONTINUOUS. SEMI-ENCLOSED. SPECIAL		XA-8845
CAY-21350 TDE MOTOR-GENERATOR AND RECTIFIER POWER UNIT: OPERATES FROM 220/440/3/60, 6.4/3.2 AMPS, 1.4 KVA. CONSISTS OF A -211161 MOTOR-GENERATOR SET, A RECTIFIER AND STARTING CONTACTOR. MOTOR IS TYPE CAY-21855; GENERATOR IS TYPE CAY-21854. RECTIFIER OPERATES FROM			CHRO CONTROL TRANSFORMER CG-21855 MARK 3 MOD 2).			6/17/42 AUG. 43	CG:5BBY47AB6 REV 2	CG:M-8118218 REV 2
6/14/42 M-740858-G2 T-7608991 MAR. 44 SUB 0			Θ CG:8080201 REV 2			CG-21859 SHAFT ON EACH END, SPECIAL PULLEY END SHIELD.		
LINE THROUGH A STEP DOWN TRANSFORMER AND PROVIDES FILAMENT AND BIAS VOLTAGES. OUTPUT: 110/220 VOLTS, 1.8/0.9 AMPS AC, 12/90/550/2000 VOLTS, 1.2/0.05/0.26/0.175 AMPS DC.		CAY-21350	CG-21856 SA AC GEAR MOTOR: RATED 1/6 HP, 115/2/60, 1.2 AMPS. ROTOR: 1640 RPM, #428 END: 20.7 RPM, #711 END: 187 RPM. RATED 40° C CONTINUOUS. STATOR: 5.06 OHMS BETWEEN TERMINALS. WOUND ROTOR HAS NO LEADS OR COMMUTATOR. * 443AC WITH ONE #428 END AND 1 #711 END 6/15/42 * SEE ABOVE Θ SEE SECOND PLATE AUG. 42			CPC 21860 * SEE BELOW ROTARY CONVERTER: MOTOR END RATED: 32 V DC, 6.2 AMPS, 200 WATTS, 1/6 HP. ALTERNATOR END RATED: 115/1/60, 0.95 AMP, 110 VA, 0.9 PF, 3600 RPM, 40° C CONTINUOUS. * ACCESSORY FOR HW 6/21/42 CPC:3K11X CPG:1410-15A OCT. 42		
6/14/42 M-7408458-G-3 T-7608991 MAR. 44 SUB 0			CG:21856-A SA-2 C GEARMOTOR: ATED 1/6 HP, 115/2/60, 1.2 AMP. ROTOR: 330 RPM; #428 END: 20.7 RPM; #711 END: 87 RPM. RATED 40° C CONTINUOUS. STATOR: .06 OHMS BETWEEN TERMINALS. WOUND ROTOR IS NO LEADS OR COMMUTATOR. SAME AS 443AC WITH ONE #428 END & ONE #711 END. 1/3/43 #SEE ABOVE CRY:P-720941-7 JG. 43 SUB 9			CPC 21861 * SEE BELOW ROTARY CONVERTER: MOTOR END RATED 120 V DC, 1.65 AMPS, 200 WATTS, 1/6 HP. ALTERNATOR END RATED: 115/1/60, 0.95 AMP, 110 VA, 0.9 PF, 3600 RPM, 40° C CONTINUOUS. * ACCESSORY FOR HW 6/21/42 CPC:1K11X CPG:1410-14A OCT. 42		
80/1/60, 2.5 AMPS.		CAY 21851 TDE DC MOTOR: 1 HP, 115 V DC, 11.6 AMPS, 3450 RPM, 40° C CONTINUOUS. HAS SLIP RINGS FOR	CG:21856 Θ CRY:P-720941-501 SUB 6; CG:M-5051494 SUB. 3			CBP 21862 TDK DC GENERATOR: OUTPUT: 110 VOLTS, 1.5 AMPS, 350 CYCLES, SINGLE PHASE, 1750 RPM. SEPARATELY EXCITED. BALL BEARINGS, 20° C CONTINUOUS EXCITATION VOLTAGE 5 VOLTS AT 2.2 AMPS DC. 6/24/42 CBP:BS-2 CRN:TS-327 MAR. 45 SUB 2		
6/14/42 CAY:S957987 OCT. 42			BASIC NUMBER EXCEPT FOR A CHANGE IN TWO OF THE BEARINGS.			CG:21863 TDK DC MOTOR: SINGLE UNIT, 2 BEARING (TWO ARMATURES ON SAME SHAFT) FOR 110 OR 12 VOLT DC OPERATION. 110 VOLT SECTION: INPUT 110 VOLTS, 3 AMPS, 1/3 HP, 1750 RPM, COM- POUND WOUND. 12 VOLT SECTION: INPUT, 12 VOLTS DC. WHEN OPERATING ON 110 VOLTS 6/24/42 CBP:RL-144 CRN:TS-327 MAR. 43 SUB 2		
80/1/60, 1.25 AMPS.		CAY 21852 TDE DC MOTOR: 1 HP, 230 V DC, 5.8 AMPS, 3450 RPM, 40° C CONTINUOUS. HAS SLIP RINGS FOR 160/1/60, 1.25 AMPS.	CG:21856-A SA-2 C GEARMOTOR: ATED 1/6 HP, 115/2/60, 1.2 AMP. ROTOR: 330 RPM; #428 END: 20.7 RPM; #711 END: 87 RPM. RATED 40° C CONTINUOUS. STATOR: .06 OHMS BETWEEN TERMINALS. WOUND ROTOR IS NO LEADS OR COMMUTATOR. SAME AS 443AC WITH ONE #428 END & ONE #711 END. 1/3/43 #SEE ABOVE CRY:P-720941-7 JG. 43 SUB 9			CG 21863 TDK DC THE 12 VOLT SECTION ACTS AS A GENERATOR DELIVERING 8 VOLTS, 7.7 AMPS DC FOR FILA- MENT POWER, SERIES WOUND. BALL BEARING. 40° C CONTINUOUS.		
6/14/42 CAY:S957989 OCT. 42			CG:21857 SC-2 SYNCHRO-GENERATOR: ALSO KNOWN AS SYNCROGENERATOR TYPE 5G, MARK 1, MOD 2. ΘCG:M-29J490-1 REV 2; M-8080201 REV 2 6/17/42 CAT #M-29J490 Θ SEE ABOVE MAR. 43 TYPE 5G					
6/14/42 CAY:S957985 OCT. 42								

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CBP 21864 TDK MOTOR GENERATOR SET: CONSISTS OF BEDPLATE, ACCESSORIES, A MOTOR NAVY TYPE CBP-21863, A GENERATOR NAVY TYPE CBP-21862, RUBBER SHOCK MOUNTED.	6/24/42 AUG. 43	CRM:TS-367 SUB 2	CJM 21870 * SEE BELOW MOTOR GENERATOR SET: INPUT 105 TO 130 VOLTS, 42.5 AMPS DC. OUTPUT 115/1/60, 35 AMPS, 4 KVA, .85 PF, 1800 RPM. CONSISTS OF ACCESSORIES, BED- PLATE, ONE NAVY TYPE CJM-21868 AND ONE NAVY TYPE CJM-21869. * GENERAL RADAR USE	6/30/42 AUG. 42	CJM:S-1872 ISSUE #2	CJM 21877 * SEE BELOW ROTARY CONVERTER: MOTOR END: 230 V DC ±10%, 1.6 AMPS. ALTERNATOR END: 115/1/60, 1.65 AMPS, 0.190 KVA, 90% PF., 3600 RPM, 40° C CON- TINUOUS.	* ACCESSORY FOR RBM-2 7/14/42 CJM:CS-13 OCT. 42	CAY:P-7708713-1 SUB 2
CCL 21865 GENERAL USE REPULSION-START-INDUCTION MOTOR: RATED INPUT: 3.44 KVA(3HP), 170/ 220/1/25, 31.2/15.6 AMPS, 1460 RPM(FULL LOAD). TEMPERATURE RATING 40° C CONTIN- UOUS. SLEEVE TYPE BEARINGS.	6/27/42 AUG. 42	CCL:RS254-SEA- CCL:F-3776	CAE 21871 * SEE BELOW MAGNETIC CONTROLLER: RATED 5.0 IP, 105 TO 130 VOLTS DC (115). DRIP-PROOF, PROVIDES OVERLOAD AND NO VOLTAGE PROTECTION. NON-REVERS- ING. SHOCK PROOF 1-STEP ACCELERATION 0.0625 OHMS. LOCAL PUSHBUTTON STATION * GENERAL RADAR USE	6/30/42 MAR. 43	CAE:4856 ALT 0 SIZE 2	CG-21878 SG DC MOTOR: 250 V DC, 3/4 AMP, 1/8 HP, 860 RPM. PERMANENT MAGNET FIELD. 2 POLES. CON- TINUOUS DUTY.	7/16/42 AUG. 42	CG:M-8118214 REV 1
CCL 21866 GENERAL USE ALTERNATOR: RATED OUTPUT: 2.5 KVA (2KW-80% PF), 120/ 1/60, 20.8 AMPS, 1800 RPM. VOLTAGE REG- ULATION 40%. FREQUENCY VARIATION 5%. TEMPERATURE RATING 50° C CONTINUOUS. SELF EXCITED.	6/27/42 AUG. 42	CCL:AGS254-TA3- CCL:F-3776	IN CASE. MAIN CONTACTOR RATED 50 AMPS.		CAE 21871	CBX 21879 SG DC MOTOR: 115 V DC, .28 AMP, 1/70 HP, 1725 RPM, CONTINUOUS DUTY, SHUNT WOUND.	7/16/42 MAR. 43	CBX:82150E-25 CBX:12023 REV 0
CG-21867 SC-2, SC-3 SYNCHRO-GENERATOR: SELSYN.	9/2/42 MAR. 43	CG:M-8080203 REV 0	CHR 21872 ML-2 DYNAMOTOR-FILTER UNIT: INPUT: 32 V DC. SPEED 3600 RPM. OUTPUT 500 VOLTS AT 0.35 AMP DC. SAME AS CHR- 21705 EXCEPT FOR 32 VOLTS DC OPERATION.	7/8/42 AUG. 42	CNR:395 BL-10	CAE 21880 TAJ-12 MAGNETIC CONTROLLER: RATED 4 HP, 250 V DC.	7/18/42 MAR. 44	CAE:4711 ALT 4
CJM 21868 * SEE BELOW RE 8911A COMPOUND-WOUND MOTOR: 17M17 RATED 5.0 HP, 105 TO 130(115) VOLTS, 42.5 AMPS DC, 1800 RPM. COMPOUND WOUND WITH INTERPOLES. TEMPERATURE RATING FOR CONTINUOUS OPERATION 60° C. EQUIPPED WITH LEE ENGINEERING CO., SPEED REGU- * GENERAL RADAR USE	6/30/42 MAR. 43	CJM:DF 5L CJM:S-1872 ISSUE #2	CAT 21873 TCE-2 MAGNETIC CONTROLLER: RATED 1.5 HP, 115 V DC. SAME CASE AS CAT-21419, BUT INTERNAL RESISTORS AND KNIFE SWITCH ARE DIFFERENT. INTER- CHANGEABLE MECHANICALLY AND ELECTRICALLY AS A WHOLE.	7/9/42 MAR. 43	CAT:56J361 SUB 2	COL 21881 TCS-4 DYNAMOTOR ASSEMBLY: CONSISTS OF 2 DYNAMOTORS ON A COMMON BASE, SHOCK MOUNTED. DYNAMOTOR #1/#2 IN- PUT: 12/12 V DC, 9.9/3.8 AMPS, OUTPUT: 400/220 V DC AT 0.18/0.1 AMP. ALSO 12 VOLTS 3.5 AMPS OUTPUT; TOTAL INPUT TO ASSEMBLY IS 17.2 AMPS DC. SIMILAR TO 7/21/42 COL:4161-4 COL:915C AUG. 44		
LATOR TO LIMIT SPEED VARIATION TO ±60 RPM. BALL BEARINGS, DRIP-PROOF.		CJM 21868	CAE 21874 TAJ-12 MAGNETIC CONTROLLER: RATED 4 HP, 115 V DC. DRIP-PROOF, SEMI- AUTOMATIC. COMPLIES WITH SPEC 17-C-17 EXCEPT IS 1/4" DEEPER AND ALL UNNECES- SARY PLATING IS ELIMINATED.	7/14/42 AUG. 43	CAE:4711 ALT 2	COL-21770 EXCEPT DUST COVER DELETED, SHOCK MOUNTS ADDED, MOUNTING PROVISIONS DIFFER- ENT AND WIRING IS ARRANGED TO PERMIT GROUND- ING OF EITHER + OR - SIDE OF PRIMARY CIRCUIT. DYNAMOTOR #1/#2 NAVY TYPE CEK-211041/CWD-211042-A.		COL 21881
CJM 21869 * SEE BELOW RE 8911A ALTERNATOR: 17C8 RATED 4 KVA, 115/1/60, 35 AMPS, .85 PF, 1800 RPM. TEMPERATURE RATING FOR CON- TINUOUS OPERATION 60° C. ALLOWABLE FRE- QUENCY VARIATION ±2 CYCLES, VOLTAGE VARIATION ±5%. SEPARATELY EXCITED. 105 * GENERAL RADAR USE	6/30/42 AUG. 42	CJM:CF-35 CJM:S-1872 ISSUE #2	CAE 21875 TAJ-12 MAGNETIC CONTROLLER: RATED 4 HP, 440/3/60. DRIP-PROOF. SEMI-AUTOMATIC.	7/14/42 AUG. 43	CAE:4712 ALT 2	COL 21881-A TCS-5 DYNAMOTOR ASSEMBLY: SAME AS BASIC NUMBER EXCEPT USES TWO EICOR DYNAMOTORS INSTEAD OF ONE EICOR & ONE WINDCHARGER DYNAMOTOR. H.V. DYNAMOTOR CEK-211041. LV. DYNAMOTOR CEK-211042-B.	5/13/43 MAR. 44	COL:416T-4 MOD COL:915C 7-1-42
TO 130 VOLTS DC. BALL BEARINGS. DRIP-PROOF.		CJM 21869	CAT 21876 * SEE BELOW MAGNETIC CONTROLLER: RATED 2 HP, 230 VOLTS DC, 1.6 AMPS. HAND-OPERATED ACROSS-THE-LINE STARTER.			21831-B TCS-6 DYNAMOTOR ASSEMBLY: INPUT: 12/12 VDC, 9.9/3.8 AMPS. OUTPUT: 400/220 VDC AT 0.18/0.1 AMPS. SAME AS BASIC NUMBER EXCEPT FOR TYPE OF SOLDER TERMINALS USED ON THE RESISTOR BOARD AND THE ELIMINATION OF SOME SOLDER HOOK LUGS CONSISTS OF ONE TYPE CEK-211041 DYNAMOTO 5/18/43 MAR. 44		COL:416T-4 COL:915C
			* ACCESSORY FOR RBM-2 7/14/42 CAY:S1018740 OCT. 42 CLASS 8502		CAY:M-7407959-2 SUB 1			

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
ONE TYPE CWO-211042 DYNAMOTOR. SIMILAR TO TYPE CNS-211035.		21831-B	CUM 21887 BA MOTOR-GENERATOR SET: CONSISTS OF ACCESSORIES, BED-PLATE, TYPE CG-21888 AC MOTOR AND TYPE CUN-21889 DC GENERATOR.			CG-21894 LV AND BIAS DC GENERATOR: 3/1/39&A&M&D RATED 0.325 KW, 750/115 VOLTS DC 0.125/2 AMPS. 40° C CONTINUOUS, 1750 RPM. BALL-BEARING, SEMI-ENCLOSED, DRIP-PROOF. MECHANICALLY INTERCHANGEABLE AS A WHOLE (BUT NOT PARTS) WITH CG-21365 GENERATOR. COMPOUND WOUND.	CG-21892	17G7 (INT)
COL-21881-C TCS SERIES DYNAMOTOR ASSEMBLY INPUT: 12V DC, 20 AMPS CONSISTS OF 2 DYNAMOTORS: TYPE CEK-211041-A AND CEK-211042-C MOUNTED ON A COMMON BASE, SHOCK MOUNTED, PROVIDES FOR OUTPUT OF 440/220V DC AT 0.20/0.1 AMPS; ALSO 12V AT 3.5 AMPS. SAME AS TYPE COL-21881-A		1/10/45 416T-10 103IC FEB. 45	8/16/42 MAR. 43	CG-21888 BA SPLIT PHASE MOTOR: INPUT: 115/1/60, 2.2 AMPS, DRIP-PROOF. 1/8 HP, 3450 RPM, 40° C CONTINUOUS, .253 KVA		8/6/42 MAR. 43	CG:W-8431983 REV 2	
COL-21881-C DYNAMOTOR ASSEMBLY EXCEPT FOR CHANGE IN DYNAMOTORS.			8/16/42 MAR. 43	CUN 21889 BA DC GENERATOR: OUTPUT: 16 V DC AT 3.5 AMPS CONTINUOUS, 16 V DC AT 0.7 AMP INTERMITTENTLY 10% OF THE TIME, 400 V DC AT 0.155 AMP, 800 V DC AT 0.020 AMP. DRIP-PROOF.		8/6/42 MAR. 43	CG:W-8451982 REV 2	CG-21895 HV DC GENERATOR: 3/1/39 RATED 5.2 KW, 2250 VOLTS DC, 2.3 AMPS. 40° C CONTINUOUS, 1750 RPM. BALL-BEARING, SEMI-ENCLOSED, DRIP-PROOF. MECHANICALLY INTERCHANGEABLE AS A WHOLE (BUT NOT PARTS) WITH CG-21364 GENERATOR. COMPOUND WOUND.
CAE 21882 WCA MAGNETIC CONTROLLER: RATED 6 HP, 90/150 VOLTS DC. 40° C CONTINUOUS.		19RE 212 1575	8/16/42 MAR. 43	CAE 21890 * SEE BELOW MAGNETIC CONTROLLER: RATED 4 HP, 105 TO 130 VOLTS DC, DRIP-PROOF PROVIDES OVERLOAD AND NO VOLTAGE PROTECTION. NON REVERSING. SHOCK PROOF.		8/6/42 AUG. 43	CG:11K2045 REV 2C	CG-21896 TAQ-10 MAGNETIC CONTROLLER: RATED 10 HP, 220/3/60, 26 AMPS.
7/25/42 AUG. 42	CAE:4576 ALT 0		7/28/42 MAR. 43	* NXS-4106, LOT 982,983 7/28/42 CAE:6842 SIZE 1 4857 ALT 0		8/6/42 MAR. 44	CG:11K2047 REV 3	CG-21897 TBA-8 MAGNETIC CONTROLLER: RATED 5.5 HP, 220/3/60, 15 AMPS (115 AMP LOCKED ROTOR). SEMI-AUTOMATIC, DRIP-PROOF.
CAE 21883 WCA MAGNETIC CONTROLLER: RATED 4 HP, 90/150 VOLTS DC. 40° C CONTINUOUS.		19RE 212 1576	8/18/42 OCT. 42	CG-21891 TAJ-12 MAGNETIC CONTROLLER: RATED 4 HP, 220/3/60.	17 C TO (INT)	8/6/42 OCT. 42	CG:11K2048 REV 8	CG-21898 TBA-9 MAGNETIC CONTROLLER: RATED 5.5 HP, 440/3/60, 7.5 AMPS (58 AMP LOCKED ROTOR). SEMI-AUTOMATIC, DRIP-PROOF.
7/25/42 AUG. 42	CAE:4577 ALT 0		CG-21892 TAQ-10 MOTOR-GENERATOR SET: FOR OPERATION FROM 220/440/3/60 SUPPLY. CONSISTS OF A TYPE CG-21893 DRIVING MOTOR, TYPE CG-21894 LV AND BIAS GENERATOR AND A TYPE CG-21895 HV DC GENERATOR. INTERCHANGEABLE MECHANICALLY AND ELECTRICALLY AS A WHOLE (BUT NOT PARTS) WITH			8/6/42 MAR. 43	CG:15A441 CG:W-8431980 REV 4	CG-21899 TBA-8.9 MOTOR-GENERATOR SET: FOR OPERATION FROM 220/440/3/60. CONSISTS OF A TYPE CG-21900 DRIVING MOTOR, TYPE CG-21901 LV AND BIAS GENERATOR AND A TYPE CG-21902 HV DC GENERATOR. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE AS A WHOLE (BUT NOT PARTS AND SUB-ASSEMBLY). SEMI-AUTOMATIC, DRIP-PROOF.
CJM 21884 * SEE BELOW MOTOR-GENERATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CJM-21895 DC MOTOR AND TYPE CJM-21886 AC GENERATOR.			CG-21893 CG-21892 INDUCTION MOTOR: RATED 10 HP, 220/440/3/60, 13/26 AMPS. 40° C CONTINUOUS, 1750 RPM. BALL BEARING, SEMI-ENCLOSED, DRIP-PROOF. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE AS A WHOLE (BUT NOT PARTS) WITH CG-21363 MOTOR.			8/6/42 MAR. 43	CG:5K32481949 CG:W-8431981 REV 2	CG-21900 CG-21899 INDUCTION MOTOR: RATED 5.5 HP, 220/440/3/60, 15/7.5 AMPS. 40° C CONTINUOUS, 1750 RPM. BALL-BEARING, SEMI-ENCLOSED, DRIP-PROOF. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH CG-21376A.
* NXS-4106 LOT 982,983 7/29/42 MOT:DEO-3L MAR. 43 GEN:CF-15		CJM:S-5258	CG-21360 MOTOR-GENERATOR SET.		CG-21892	8/6/42 MAR. 43	CG:W-8432020 REV 4	BASE EXTENDS 1/2" FURTHER ON EACH END), WITH CG-21575A.
CJM 21885 * SEE BELOW DC MOTOR: RATED 4 HP, 105 TO 130 VOLTS DC. 27 AMPS, 1800 RPM, 60° C TEMP RISE. DRIP-PROOF.								
* NXS-4106 LOT 982,983 7/29/42 DEO-3L MAR. 43		CJM:S-5258						
CJM 21886 * SEE BELOW AC GENERATOR: RATED 2-1/2 KVA, 115/1/60, 0.8 PF LAGGING.								
NXS-4106, LOT 982,983 7/29/42 AUG. 42		CJM:S-1915 7-2-42						
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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CG-21901	CG-21899	17G7 (INT) LV AND BIAS DC GENERATOR: 3/1/39 RATED 0.5 KW, 500/115 VOLTS DC, 0.55/1.96 AMPS. 40° C CONTINUOUS, 1750 RPM, COMPOUND WOUND. BALL-BEARING, SEMI-ENCLOSED, DRIP-PROOF. SAME ELECTRICALLY AND MECHANICALLY AS A WHOLE (BUT NOT PARTS) AS CG-21378A. 8/6/42 CG:5B7111A8 CG:W-8432023 MAR. 43 REV 3	COL 21909	TCS-5 MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE, ACCESSORIES, 2 CG-211222 MOTORS (G. E. TYPE 5KC4933866) EACH RATED 115/1/60, 2.70 AMPS, 1/4HP, CAPACITOR TYPE; 2 RUSSELL GENERATORS HV GENERATOR TYPE 13450, 430 VOLTS, 0.20 AMPS DC COR-211220-A; LV GENERATOR: TYPE 8/31/42 413C-5 255E-1 AUG. 44 2/20/42	± 5% BALL-BEARING, DRIP-PROOF. SAME AS CCL-21916 EXCEPT FOR EXCITATION VOLTAGE. CCL 21913			
CG-21902	CG-21899	17G7 (INT) HV DC GENERATOR: 3/1/39 RATED 2.85 KW, 1250/2500 VOLTS DC, 0.32/0.98 AMP, 40° C CONTINUOUS, 1750 RPM COMPOUND WOUND. BALL-BEARING, SEMI-ENCLOSED, DRIP-PROOF. SAME AS CG-21377A BUT HAS LOWER ELECTRICAL RATING AND IS 1" LONGER. 8/6/42 CG:5B7461A1 CG:W-8432022 MAR. 44 ALT. 9	COL 21909	15475 FILTER TYPE COR-211219-A, 240/12.5 VOLTS, 0.10/4.0 AMPS DC, 3450 RPM. SAME AS COL-21777 EXCEPT GENERATORS ARE MADE BY RUSSELL, WT. 143 POUNDS; 40° C TEMP. RISE.	CCL 21914 * SEE BELOW RE 8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21912 SHUNT MOTOR AND NAVY TYPE CCL-21913 ALTERNATOR. * GENERAL RADAR USE 9/2/42 CCL:F-3848 OCT. 42 CHGE 4			
CG 21903	SK	XA-8845 MOTOR-DYNAMO AMPLIFIER UNIT: MOTOR END 1-1/2 HP, 115 VOLTS DC, 13 AMPS, 2350 RPM. GENERATOR END 0 TO ± 250 VOLTS DC, 3 AMPS, 750 WATTS. UNIT RATED 40° C CONTINUOUS, DRIP-PROOF. SAME AS TYPE -211208 EXCEPT SPEED. 8/7/42 5BC79A99 CG:W-8118223 MAR. 44 5AM78A856 REV 3	CRM21910	USE WITH DAE ROTARY CONVERTER-FILTER UNIT: INPUT 24 VOLTS, 4-7 AMPS DC. OUTPUT 115/1/60, 57.5 VA, 1 PF. SAME AS CRM-21743 EXCEPT FOR INPUT VOLTAGE. INCLUDES FILTER REACTORS, CAPACITORS, AF AND RF CHOKES COILS AND TERMINALS. 3600 RPM 35° C CONTINUOUS. SAME AS TYPES 8/31/42 CRM:KS-48 SUB 3 AUG. 43	CCL 21915 * SEE BELOW RE 8911A SHUNT MOTOR: 3 HP, 230 VOLTS DC, 11.5 AMPS, 1800 RPM, 60° C CONTINUOUS, TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES 2 INTER POLES, BALL BEARING, DRIP-PROOF. EQUIPPED WITH LEE SPEED REGULATOR. * GENERAL RADAR USE 9/2/42 CCL:DN 225W CCL:F-3848 OCT. 42 SPEC 7080 CHGE 4			
CG-21904	SK	XA-8845 MOTOR-DYNAMO AMPLIFIER UNIT: MOTOR END: 1-1/2 HP, 230 V DC, 6.5 AMPS, 2350 RPM, GENERATOR END: 0 TO ± 250 V DC, 3 AMPS, 750 WATTS. UNIT RATED 40° C CONTINUOUS, DRIP-PROOF. SAME AS TYPE -211209 EXCEPT SPEED. 8/7/42 CG:5BC79AB10 CG:W-8118224 MAR. 44 CG:5AM78AB57 REV 3	CRM21910	-211048 AND -211049 EXCEPT FOR INPUT.	CCL 21916 * SEE BELOW RE-8911A ALTERNATOR: OUTPUT 115/1/60, 17.4 AMPS, 2 KVA, 85% PF, 1800 RPM, 60° C CONTINUOUS TEMPERATURE RISE, COMPOUND WOUND, 4 POLES, SEPARATELY EXCITED 230 VOLTS. FREQUENCY VARIATION ± 2 CYCLES, VOLTAGE VARIATION * GENERAL RADAR USE 9/2/42 CCL:AC225W CCL:F-3848 OCT. 42 SPEC. 7080 CHGE 4			
CG-21905	SK	XA-8845 MOTOR-DYNAMO AMPLIFIER UNIT: MOTOR END: 1-1/2 HP, 220/3/60, 6 AMPS, 1725 RPM, GENERATOR END: 0 TO ± 250 V DC, 3 AMPS, 750 WATTS UNIT RATED 40° C CONTINUOUS, DRIP-PROOF. 8/7/42 CG:5K75AC8 CG:W-8118243 MAR. 43 CG:5AM78AB70 REV 3	CG-21911	SC-2, SC-3 K-8135314 AC MOTOR: INPUT: 110/1/60, 0.24 AMP. RATED 1/150 HP AT 5000 RPM. ARMATURE RATED 40/1/60 AT 0.55 AMP. CONTINUOUS DUTY. 40° C CONTINUOUS. 9/2/42 CG:5BN338A8 CG:M-46J749 NOV. 43	± 5% BALL-BEARING, DRIP-PROOF. SAME AS CCL-21915 EXCEPT FOR EXCITATION VOLTAGE. CCL 21916			
CG-21906	SK	XA-8845 MOTOR-DYNAMO AMPLIFIER UNIT: MOTOR END: 1-1/2 HP, 440/3/60, 3 AMPS, 1725 RPM, GENERATOR END: 0 TO ± 250 V DC, 3 AMPS, 750 WATTS UNIT RATED 40° C CONTINUOUS, DRIP-PROOF. 8/7/42 CG:5K75AC7 CG:W-8118225 MAR. 43 CG:5AM78AB58 REV 3	CG-21911-A	UE-1 AC MOTOR: INPUT: 110/1/60, 0.24 AMPS, RATED 1/150 HP AT 5000 RPM. ARMATURE RATED 40/1/60. FIELD CENTER TAPPED. SAME AS CG-21911 EXCEPT FOR CENTER TAP. 4/7/44 5BN338A14 M-48J749 AUG. 44 REV 4	CCL 21917 * SEE BELOW RE 8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21915 SHUNT MOTOR AND NAVY TYPE CCL-21916 ALTERNATOR. * GENERAL RADAR USE 9/2/42 CCL:F-3848 OCT. 42 CHGE 4			
CG-21907	SL	AC MOTOR: 1/10 HP, 115/1/60, 2.2 AMPS, 1800 RPM. SYNCHRONOUS HYSTERESIS, PERMANENT SPLIT PHASE, CAPACITOR TYPE, WITH 7.5 MFD PAPER CAPACITOR (G.E CAT 21F 128). 8/13/42 CG:5NC49AB3 CW:KS-5959 OCT. 42 LIST 01	CCL 21912	* SEE BELOW RE 8911A SHUNT MOTOR: 3 HP, 115 VOLTS DC, 23 AMPS, 1800 RPM, 60° C CONTINUOUS, TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES, 2 INTERPOLES, BALL-BEARING, DRIP-PROOF. EQUIPPED WITH LEE SPEED REGULATOR. * GENERAL RADAR USE 9/2/42 CCL:DN 225W CCL:F-3848 OCT. 42 SPEC. 7081 CHGE 4	CCL 21918 * SEE BELOW RE 8911A SHUNT MOTOR: 5 HP, 115 VOLTS DC, 38 AMPS, 1800 RPM, 60° C CONT. TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES, 4 INTERPOLES, BALL BEARING, DRIP-PROOF. EQUIPPED WITH LEE SPEED REGULATOR. * GENERAL RADAR USE 9/2/42 CCL:DN 254W CCL:E-4933 OCT. 42 SPEC 7078 CHGE 4			
CG-21908	SL	AC MOTOR: 2 WATT, 115/1/60, 0.5 AMP, 1800 RPM. SYNCHRONOUS, HYSTERESIS, PERMANENT SPLIT PHASE, CAPACITOR TYPE, WITH 1.75 MFD PAPER CAPACITOR (G.E CAT #21F 174). 8/13/42 CG:NC 61FA18 CG:KS-5947 OCT. 42 LIST 01	CCL 21913	* SEE BELOW RE 8911A ALTERNATOR: OUTPUT: 115/1/60, 17.4 AMPS, 2 KVA, 85% PF, 1800 RPM, 60° C CONTINUOUS, TEMPERATURE RISE, COMPOUND WOUND, 4 POLES SEPARATELY EXCITED BY 115 VOLTS, FREQ. VARIATION ± 2 CYCLES, VOLTAGE VARIATION * GENERAL RADAR USE 9/2/42 CCL:AC 225W CCL:F-3848 OCT. 42 SPEC. 7081 CHGE 4	CCL 21918-A *SEE BELOW RE 8911-A SHUNT MOTOR 5 HP, 115 VOLTS DC, 38 AMPS, 1800 RPM, 60° C CONT. TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES, 4 INTERPOLES, BALL BEARINGS, DRIP-PROOF, EQUIPPED WITH LEE SPEED REGULATOR. SAME AS CCL-21918 *GEN RADAR USE (NX33-33650) 8/5/43 DN254W CCL:E-4933 NOV. 43 CHG 7			

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
		CCL21918-A EXCEPT USES A SLIDE-WIRE POTENTIOMETER IN LIEU OF THE GENERATOR FIELD RHEO-STAT. ALSO, END BELLS AND MOUNTING FEET MADE OF FABRICATED STEEL; HOWEVER, ALL COMPONENTS INTERCHANGEABLE.	CCL21921-A *SEE BELOW RE 8911A SHUNT MOTOR 5 HP, 230 VOLTS, 19 AMPS, 1800 RPM, 60°C CONT. TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES, 4 INTERPOLES, BALL BEARING DRIP-PROOF, EQUIPPED WITH LEE SPEED REGULATOR. SAME AS CCL-21921 EXCEPT USES *GEN RADAR (NXSS-33650) 8/23/43 DN254M CCL:E-4933 NOV. 43 CHG 7	CHT 21924 *SEE BELOW MOTOR-ALTERNATOR UNIT: MOTOR END RATED: 115V DC 3/4 HP, 7 AMPS, 800 WATTS ALTERNATOR END RATED: 115/1/60, 500VA AT 90% PF, 4.3 AMPS UNIT RATED 1800 RPM, 40°C CONT. DUTY, 115V 0.6 AMP SEP *CHT:243-420 70 RE2121548A FOR USE WITH NJ-8 9/3/43 CIP:ES-1040 CIP:10-1055 FEB. 45 CHT:42032-E-1 ISSUE 3*				
CCL 21919 *SEE BELOW RE 8911A ALTERNATOR: OUTPUT: 115/1/60, 34.8 AMPS, 4 KVA, 85% PF, 1800 RPM, 60° C CONTINUOUS, TEMPERATURE RISE, COMPOUND WOUND, 4 POLES, SEPARATELY EXCITED, 115 VOLTS, FREQ. VARIATION ± 2 CYCLES, VOLTAGE VARIATION * GENERAL RADAR USE 9/2/42 CCL:AG 254M CCL:E-4933 OCT. 42 SPEC. 7078 CHGE. 4			CCL21922 *SEE BELOW RE-8911A ALTERNATOR: OUTPUT: 115/1/60, 34.8 AMPS, 4 KVA, 85% PF, 1800 RPM, 60°C CONT. TEMPERATURE RISE, COMPOUND WOUND, 4 POLES, SEPARATELY EXCITED 230 VOLTS, FREQ. VARIATION ± 2 CYCLES, VOLTAGE VARIATION ± 5%. * GENERAL RADAR USE 9/2/42 AG 254M CCL:E-4933 OCT. 42 SPEC. 7079 CHGE 4			CET 21925 FOR USE WITH NJ-8 MAGNETIC CONTROLLER: RATED: 3/4 HP, 115V DC. TO START CHT 21924 BY MEANS OF RELAY ENERGIZED BY A SWITCH IN CET 55093 AND TO DISTRIBUTE A.C. OUTPUT OF CHT 21924 TO THE 55093 & THE CET55285. TYPE NO. DOES NOT INCLUDE FUSES. 9/3/43 CIP:ES-1050 CIP:10-1043 NOV. 43 ISSUE 1		
±5% BALL BEARING DRIP-PROOF. SAME AS CCL-21922 EXCEPT FOR EXCITATION VOLTAGE.			BALL BEARING, DRIP-PROOF. SAME AS CCL-21919 EXCEPT FOR EXCITATION VOLTAGE.			CBH 21926 SD-3 XA-J845 AC MOTOR: OPERATES FROM 115/1/60, 1.5 AMP, RATED 1/20 HP, GEAR REDUCER TYPE, 40°C CONTINUOUS, ARMATURE 1725 RPM; OUTPUT SHAFT 54 RPM, MAIN WINDING 10.5 ± 1 OHM DC; START WINDING 12.0 ± 1.2 OHM, DC. USES GENERAL ELECTRIC 5KH23AC208 MOTOR, 9/4/42 CAT:#53 MB CRY:P-721403-1 AUG. 43 SUB 1		
CCL 21919-A *SEE BELOW RE 8911A ALTERNATOR OUTPUT 115/1/60, 34.8 AMPS, 4KVA, 85%PF, 1800 RPM, 60°C CONTINUOUS TEMP. RISE, COMPOUND WOUND, 4 POLES, SEPARATELY EXCITED 115 VOLTS, FREQUENCY VARIATION ±2 CYCLES, VOLTAGE VARIATION ±5%. BALL *GEN RADAR USE (NXSS-33650) 8/23/43 AG254M CCL:E-4933 NOV. 43 CHG 7			CCL 21922-A *SEE BELOW RE 8911A ALTERNATOR OUTPUT 115/1/60, 34.8 AMPS, 4KVA, 85%PF, 1800RPM, 60°C CONTINUOUS TEMPERATURE RISE, COMPOUND WOUND, 4 POLES, SEPARATELY EXCITED 230 VOLTS, FREQUENCY VARIATION ±2 CYCLES, VOLTAGE VARIATION ±5%. *GEN RADAR USE (NXSS-33650) 8/23/43 AG254M CCL:E-4933 NOV. 43 CHG 7			CC 21927 TCE-2 MOTOR-GENERATOR UNIT: MOTOR END RATED: 1.5 HP, 208 VOLTS, 3 PHASE, 60 CYCLES, 4.5 AMP, 3440 RPM, SQUIRREL CAGE INDUCTION, SEMI-ENCLOSED DRIP-PROOF, 40°C RISE, CONT. DUTY, BALL BEARING, GENERATOR END RATED: 14 VOLTS DC AT 4 AMP & 120/1/500, 5.55 AMP O.P.P.V.A 9/12/42 N-204X-AC15X C-29830 AUG. 43 SUB A		
CCL 21919-A *SEE BELOW RE 8911A BEARING, DRIP-PROOF. SAME AS CCL-21919 EXCEPT END BELLS AND MOUNTING FEET ARE MADE OF FABRICATED STEEL, SAME AS CCL-21922-A EXCEPT FOR EXCITATION VOLTAGE.			CCL 21922-A *SEE BELOW RE 8911A BALL BEARING, DRIP-PROOF. SAME AS CCL-21922 EXCEPT END BELLS AND MOUNTING FEET ARE MADE OF FABRICATED STEEL, SAME AS CCL-21919-A EXCEPT FOR EXCITATION VOLTAGE.			CC21927 ET DC GENERATOR: 5 KW, 120 VOLTS, 41.7 AMPS DC, SELF-EXCITED, FLAT COMPOUND, OPEN, 40°C TEMP. RISE OVER AMBIENT OF 50°C, BALL BEARING CAST FRAME.		
CCL 21920 *SEE BELOW RE-8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21918 SHUNT MOTOR AND NAVY TYPE CCL-21919 ALTERNATOR. * GENERAL RADAR USE 9/2/42 CCL:E-4933 OCT. 42 CHGE. 4			CCL 21922-A *SEE BELOW RE 8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21921-A SHUNT MOTOR AND CCL-21919-A ALTERNATOR. * GENERAL RADAR USE 9/2/42 CCL:E-4933 OCT.42 CHGE. 4			CKO 21928 ET ALTERNATOR: 18.75 KVA, 240/3/60, 45.1 AMPS, 80% PF, 15 KW, SELF-EXCITED, 3 WIRE, OPEN, 40° TEMP. RISE OVER AMBIENT OF 50°C, BALL BEARING, CAST IRON FRAME, REGULATION 10% AT UNITY POWER FACTOR WITH 3% DROP IN SPEED. 9/22/42 OCT. 42		
CCL 21920-A *SEE BELOW RE 8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21918-A SHUNT MOTOR AND CCL-21919-A ALTERNATOR. *GEN RADAR USE (NXSS-33650) 8/5/43 CCL:E-4933 NOV. 43 CHG 7			CCL 21923 *SEE BELOW RE-8911A MOTOR-ALTERNATOR SET: CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21921, SHUNT MOTOR NAVY TYPE CCL-21922 ALTERNATOR. * GENERAL RADAR USE 9/2/42 CCL:E-4933 OCT.42 CHGE. 4			CKO 21929 EZ ALTERNATOR: 18.75 KVA, 240/3/60, 45.1 AMPS, 80% PF, 15 KW, SELF-EXCITED, 3 WIRE, OPEN, 40° TEMP. RISE OVER AMBIENT OF 50°C, BALL BEARING, CAST IRON FRAME, REGULATION 10% AT UNITY POWER FACTOR WITH 3% DROP IN SPEED. 9/22/42 OCT. 42		
CCL 21921 *SEE BELOW RE-8911A SHUNT MOTOR: 5 HP, 230 VOLTS, 19 AMPS, 1800 RPM, 60°C CONT. TEMPERATURE RISE, SHUNT WOUND, 4 MAIN POLES, 4 INTERPOLES, BALL BEARINGS, DRIP-PROOF, EQUIPPED WITH LEE SPEED REGULATOR. * GENERAL RADAR USE 9/2/42 DN 254M CCL:E-4933 OCT. 42 SPEC 7079 CHGE 4			CCL 21923-A *SEE BELOW RE 8911A MOTOR-ALTERNATOR SET CONSISTS OF ACCESSORIES, BEDPLATE, NAVY TYPE CCL-21921-A SHUNT MOTOR AND CCL-21922-A ALTERNATOR. *GEN RADAR USE (NXSS-33650) 8/5/43 CCL:E-4933 NOV. 43 CHG 7					

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CG 21930	*SEE BELOW.	17 M 17 DC MOTOR: RATED 1/3 HP. 1725 RPM, 250 V ARMATURE, 75 V FIELD, 1.4 AMP FULLLOAD; 50° RISE, CONTINUOUS DUTY, SEMI-ENCLOSED. IDENTICAL TO -21656 EXCEPT THAT TERMINAL BOX PROTRUDES 1/2" FARTHER OUT (5 17/32" TO *QCQ-10CR-1, OCS, OCT 10/2/42 5BC46AB779 APR. 43	CWD21932-A HUMIDITY OF 95%. DYNAMOTOR TO WITHSTAND 10G ACCELERATION. SAME AS -21932 EXCEPT USES 88016 NEW DEPARTURE BEARINGS INSTEAD OF 8502, NAVY TYPES -21932-A, -21932 INTERCHANGEABLE AS COMPLETE UNITS. *COL: K-352E-3, DATA FORM SHT. 416U-1 SHTS 1 & 2	CG 21939	SK 17 C 17 MAGNETIC CONTROLLER: RATED 1 1/2 HP, 230 V DC, 6 AMP, 50° AMBIENT. DRIP-PROOF, SHOCK-PROOF, SEMI-AUTOMATIC. 10/13/42 11K2041 APR. 43	CG 21940	SK 17 C 10 MAGNETIC CONTROLLER: RATED 1 1/2 HP, 220/3/60, 5.6 AMP FULL LOAD, 28 AMP LOCKED ROTOR, .7 PF, 50° AMBIENT. DRIP-PROOF, SHOCK-PROOF, SEMI-AUTOMATIC. 10/13/42 11K2055 APR. 43	CG 21941	SK 17 C 10 MAGNETIC CONTROLLER: RATED 1-1/2 HP, 440/3/60, 2.8 AMP. FULL LOAD, 14 AMP. LOCKED ROTOR, .7 PF, 50° AMBIENT. DRIP-PROOF, SHOCK-PROOF, SEMI-AUTOMATIC. 10/13/42 11K2049 APR. 43
CG 21930		TAL FROM CENTER OF MOTOR) & HAS CABLE ENTRANCES AT TOP & SIDE INSTEAD OF ONE AT THE BOTTOM. CQR 21931 ATC DYNAMOTOR:(REASSIGNED DY-11/ART-13) INPUT 27 V DC, 32 AMP. OUTPUT 400 V AT 750 MA & 750 V AT 350 MA. 5" DIA., 12" LONG, MOUNTING HOLES DIMENSION 2 1/4" (2 HOLES). HAS 3 COMMUTATORS TO OPERATE AT LEAST WITHIN TEMPERATURE RANGE OF *COL:K-352E-6 DATA FORM SHT. 416U-1 SH 1&2 10/2/42 CQR:50003COA *SEE ABOVE DEC. 44 COL:231N47	CG 21933 TBC-4 AC BLOWER MOTOR: RATED 1/30 HP, 230 V, SINGLE PHASE, 50/60 CYC, 0.45/0.41 AMP, 1450/1725 RPM, SQUIRREL CAGE TYPE, RATED 40° RISE. STATOR MAIN WINDING 66±4 OHMS DC RESISTANCE, STATOR START WINDING 48±3 OHMS DC RESISTANCE. BALL BEARINGS. 10/6/42 5KH23AC186 APR. 43	CG 21934 TBC-4 AC BLOWER: RATED V 8 HP, 230 V, SINGLE PHASE, 50/60 CYCLES, 1.3/1.2 AMP, 2875/3450 RPM, SQUIRREL CAGE TYPE, RATED 40° RISE. STATOR MAIN WINDING 15±1 OHMS DC RESISTANCE, STATOR START WINDING 29±2 OHMS DC RESISTANCE. BALL BEARINGS. 10/6/42 5KH33889 APR. 43	CG 21935 *SEE BELOW MAGNETIC CONTROLLER: RATED 12 HP, 100 TO 130 V DC, 19 AMP. DRIP-PROOF, SHOCK-PROOF, AUTOMATIC. *ACCESSORY FOR OCS, OCT #CAE:4733 ALT 0, 2 SH CBM:60199 ALTS #CAE:4344X, 2 SH 10/8/42 CBM:4344X *SEE ABOVE AUG. 43 CAE:8903679A	CG 21936 QCS, OCT MAGNETIC CONTROLLER: FOR HOIST MOTOR. RATED 2.5 HP, 440/3/60, 5 AMP. WATER-PROOF, SHOCK-PROOF, SEMI-AUTOMATIC. *CAE:4734 ALT 0, 2 SH CBM:565J, SH 1&2 CBM:SK-5431, ALT 0 CAE:8903679B 10/6/42 CBM:565J *SEE ABOVE AUG. 43	CG 21937 *SEE BELOW DC MOTOR: RATED 1/3 HP, 230 V DC, 1.6 AMP FULL LOAD 1725 RPM, 50° RISE, CONTINUOUS DUTY, SEMI-ENCLOSED, FIELD: 0.008" ENAMEL WIRE, 2200±220 OHMS DC RESISTANCE. *CG: 5001424-02 REV4, COL: 2193-418 SUB 0 *NS-74964, LOT 2 7/8, ITEMS 4, 4A, 4B. 10/12/42 CBM:873-418 *SEE ABOVE APR. 44 5BC46AB773	CG 21938 SK 17 C 17 MAGNETIC CONTROLLER: RATED 1 1/2 HP, 115 V DC, 12 AMP, 50° AMBIENT. DRIP-PROOF, SHOCK-PROOF, SEMI-AUTOMATIC. 10/13/42 11K2042 APR. 43	CG 21937 INTERPOLE: 0.0305" ENAMEL WIRE, 3.6±0.36 OHMS DC RESISTANCE. ARMATURE: 0.0159" ENAMEL WIRE. CG-21937 CG:11K2042 REV 1
CG 21932 ATC DYNAMOTOR:(REASSIGNED DY-12/ART-13) INPUT 27 V DC, 32 AMP. OUTPUT 400 V AT 750 MA & 750 V AT 350 MA. 5 1/8" DIA., 10 1/8" LONG, MOUNTING HOLES DIMENSION 2" (2 HOLES). & HAS 3 COMMUTATORS TO OPERATE AT LEAST WITHIN TEMPERATURE OF *COL:K-352E-6 DATA FORM SHT. 416U-1 SH 1&2 10/2/42 COL:231N47A *SEE ABOVE DEC. 44 5151	CG 21932 -40°C TO +50°C & MAX. HUMIDITY OF 95%. DYNAMOTOR TO WITHSTAND 10G ACCELERATION. ELECTRICALLY INTERCHANGEABLE WITH NAVY TYPE CQR-21932.	CG 21932 ATC DYNAMOTOR: INPUT: 27VDC, 32 AMPS. OUTPUT: 400VDC AT 750 MA AND 750VDC AT 350 MA. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE WITH -21931 AS A UNIT. 2/8/44 COL:231N47B DEC. 44 231000800 REV 0	CG 21932 -40°C TO +50°C & MAX. HUMIDITY OF 95%. DYNAMOTOR TO WITHSTAND 10G ACCELERATION. ELECTRICALLY INTERCHANGEABLE WITH NAVY TYPE CQR-21931.	CG 21932-A ATC DYNAMOTOR (REASSIGNED DY-12A/ART-13) INPUT 27 VOLTS DC, 32 AMPS. OUTPUT: 400V AT 750 MA & 750V AT 350 MA. 5 1/8" DIA., 10 1/8" LONG, MOUNTING HOLES DIMENSIONS 2" (2 HOLES). HAS 3 COMMUTATORS. TO OPERATE AT LEAST WITHIN TEMPERATURE RANGE OF -40°C TO 50°C & MAX 1715/44 MAR. 44 *SEE PLATE NO.2	CG 21932-A ATC DYNAMOTOR TO WITHSTAND 10G ACCELERATION. SAME AS -21932 EXCEPT USES 88016 NEW DEPARTURE BEARINGS INSTEAD OF 8502, NAVY TYPES -21932-A, -21932 INTERCHANGEABLE AS COMPLETE UNITS. *COL: K-352E-3, DATA FORM SHT. 416U-1 SHTS 1 & 2	CG 21932-A ATC DYNAMOTOR (REASSIGNED DY-12A/ART-13) INPUT 27 VOLTS DC, 32 AMPS. OUTPUT: 400V AT 750 MA & 750V AT 350 MA. 5 1/8" DIA., 10 1/8" LONG, MOUNTING HOLES DIMENSIONS 2" (2 HOLES). HAS 3 COMMUTATORS. TO OPERATE AT LEAST WITHIN TEMPERATURE RANGE OF -40°C TO 50°C & MAX 1715/44 MAR. 44 *SEE PLATE NO.2	CG 21932-A ATC DYNAMOTOR (REASSIGNED DY-12A/ART-13) INPUT 27 VOLTS DC, 32 AMPS. OUTPUT: 400V AT 750 MA & 750V AT 350 MA. 5 1/8" DIA., 10 1/8" LONG, MOUNTING HOLES DIMENSIONS 2" (2 HOLES). HAS 3 COMMUTATORS. TO OPERATE AT LEAST WITHIN TEMPERATURE RANGE OF -40°C TO 50°C & MAX 1715/44 MAR. 44 *SEE PLATE NO.2	CG 21932-A ATC DYNAMOTOR (REASSIGNED DY-12A/ART-13) INPUT 27 VOLTS DC, 32 AMPS. OUTPUT: 400V AT 750 MA & 750V AT 350 MA. 5 1/8" DIA., 10 1/8" LONG, MOUNTING HOLES DIMENSIONS 2" (2 HOLES). HAS 3 COMMUTATORS. TO OPERATE AT LEAST WITHIN TEMPERATURE RANGE OF -40°C TO 50°C & MAX 1715/44 MAR. 44 *SEE PLATE NO.2	
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DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CLL 21947 SF			CGU 21953 TBL-8	17 M 10		CG 21959 SC		
A.C. GENERATOR: RATED 115/1400, 1.8 KVA, 15.6 AMP, 90% PF FULL LOAD, 3450 RPM. EXCITER RATED 115 VOLTS DC, .87 AMP. BUILT-UP TO END OF MACHINE. 40°C CONT. SEE CLL-21996 ALSO.			AC MOTOR: RATED 3.5 HP, 220/440/3/60, 11/5.5 AMP, 1750 RPM; 40°C RISE, CONTINUOUS DUTY, 50°C AMBIENT; SQUIRREL CAGE INDUCTION TYPE. DRIP-PROOF, SEMI-ENCLOSED.			SYNCHRO MOTOR: SAME AS CG-21857 SYNCHRO GENERATOR EXCEPT INCLUDES VIBRATION DAMPER.		
10/15/42 (CLL) SD-88 APR. 43	CBM:SK-5361 ALT. I		10/19/42 BFS53 AUG. 43	CGU:C-5870 ALT.0		11/4/42 5F APR. 43	M-8080201 REV 2	
CGU 21948 TBL-8			CAOG- 21953-A TBL-8			CG 21960 SG		
MOTOR-GENERATOR SET: FOR OPERATION FROM 115 V DC. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CGU-21951 DC MOTOR, TYPE CGU-21954 AC-DC GENERATOR, & TYPE CGU-21955 HVDC GENERATOR. SEMI-ENCLOSED, DRIP-PROOF. *Y52.4-YP50/Y51-YP53 10/19/42 *SEE ABOVE APR. 43	CGU:C-7236.1 ALT.0		AC MOTOR: RATED 3.5 HP, 220/440/3/60, 11/5.5 AMPS, 1750 RPM, 40°C RISE CONTINUOUS DUTY, 50°C AMBIENT, SQUIRREL CAGE INDUCTION TYPE, SEMI-ENCLOSED, INTERCHANGEABLE AS A WHOLE, BUT NOT ALL PARTS, WITH -21953. 7/13/44 TYPE E, FORM C CGU:D-8000 AUG. 44 FRAME 225			SYNCHRO DIFFERENTIAL GENERATOR:		
CGU 21949 TBL-8			CGU 21954 TBL-8	17 G 7		CBX 21961 SL	17 M 10	
MOTOR-GENERATOR SET: FOR OPERATION FROM 230 V DC. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CGU-21952 DC MOTOR, TYPE CGU-21954 AC-DC GENERATOR & TYPE CGU-21955 HVDC GENERATOR. SEMI-ENCLOSED, DRIP-PROOF. *Y52.4-YP50/Y51-YP53 10/19/42 *SEE ABOVE AUG. 44	CGU:7235.1 ALT.0		AC-DC GENERATOR: RATED 1600 V DC, .1 AMP, 160 WATTS; 250 V DC, 1 AMP, 250 WATTS; & 110/1/60, 3.55 AMP, 90% PF, 1750 RPM, 40°C RISE, 50°C AMBIENT; DRIP-PROOF, SEMI-ENCLOSED.			AC MOTOR: RATED 1/15 HP, 115/1/60, 1.4 AMP, 30°C RISE CONTINUOUS DUTY, 1725 RPM. OPEN TYPE, SPLIT-PHASE INDUCTION, DOUBLE EXTENSION SHAFT, FLANGE MOUNTED, BALL BEARINGS. *CW:KS-5953 LIST 1 FRAME NSI-53 11/7/42 *SEE ABOVE APR. 43	M-8091609 REV. 0	
CGU 21950 TBL-8			CGU 21955 TBL-8	17 G 7		CBX 21962 SL	17 M 10	
MOTOR-GENERATOR SET: FOR OPERATION FROM 220/440/3/60. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CGU-21953 AC MOTOR, TYPE CGU-21954 AC-DC GENERATOR, & TYPE CGU-21955 HVDC GENERATOR. SEMI-ENCLOSED, DRIP-PROOF. *BFS53-YP50/Y51-YP53 10/19/42 *SEE ABOVE APR. 43	CGU:C-7257 ALT.0		HV-DC GENERATOR: RATED 2000 V DC, .6 AMP, 1200 WATTS & 500V DC, .35 AMP, 175 WATTS, 1750 RPM, 40°C RISE, 50°C AMBIENT; DRIP-PROOF, SEMI-ENCLOSED.			AC MOTOR: RATED 1/20 HP, 115/1/60, 1.2 AMP, 40°C RISE CONT. DUTY, 3450 RPM. OPEN TYPE, SPLIT-PHASE INDUCTION, SINGLE EXTENSION SHAFT, BALL BEARINGS, 17 AMPS LOCKED ROTOR, 1.2 AMPS FULL LOAD. *CW:KS-5940 LIST 1 CBX: NSI-34 MODIFIED 11/7/42 *SEE ABOVE APR. 43	CW:KS-5953 LIST 1 ISSUE 1	
CGU- 21950-A TBL-8			CG 21956 TAJ-14			CRP 21963 CXBX		
MOTOR-GENERATOR SET: SAME AS -21950 EXCEPT USES -21953-A INSTEAD OF -21953 AC MOTOR.			MOTOR-GENERATOR SET: INPUT 220/440/3/60; CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CG-21957 AC MOTOR, TYPE CG-21762-A HVDC GENERATOR & TYPE CG-21763A LV & BIAS GENERATOR. MECHANICALLY & ELECTRICALLY INTERCHANGEABLE AS A WHOLE WITH TYPE CG-21758. 10/20/42 15A472 AUG. 44	CGU:C-7235 ALT.0		MOTOR-ALTERNATOR & SPARK GAP: MOTOR END RATED: 24 V DC, 85 AMP, 8000 RPM. GENERATOR END RATED: 115/1/400, 1500 VA SPARK GAP MOUNTED ON END TO FORM INTEGRAL UNIT, RATED 8000 V PEAK, 80 AMP PEAK AC. UNIT ALSO CONTAINS DC LINE FILTERS, OVERLOAD RELAY, 3 STARTING RELAYS. 11/10/42 APR. 43	CW:KS-5940 LIST 1 ISSUE 1	
7/13/44 "TYPE YP3-YPO" C-7257.1 NOV. 44			CG 21957 TAJ-14	17-M-10		CRP 21963		
CGU 21951 TBL-8	17 M 9		A.C. MOTOR: RATED 4 HP, 220/440/3/60, 11/5.5 AMPS FULL LOAD 90/45 AMP LOCKED ROTOR; 0.62 PF LOCKED ROTOR, 0.85 PF FULL LOAD; 1750 RPM 40°C RISE, 50°C AMBIENT SQUIRREL CAGE INDUCTION TYPE. SEMI-ENCLOSED, DRIP PROOF. ELECTRICALLY SAME AS CG-21761 10/20/42 5K25482488 AUG. 44	CGU:W4-8432290 REV.16		LAYS. & VOLTAGE REGULATOR.		
DC MOTOR: RATED 4.5 HP, 115 V DC, 37.5 AMP, 1750 RPM; 40°C RISE, CONTINUOUS DUTY; 50°C AMBIENT; COMPOUND WOUND WITH INTERPOLES, DRIP-PROOF, SEMI-ENCLOSED. INCLUDES INTEGRAL SPEED REGULATOR TO MAINTAIN SPEED WHEN INPUT VARIES BETWEEN 88 AND 167 V. 10/19/43 Y52.4 APR. 43	CGU:C-5912 ALT.0		CGU 21952 TBL-8	17 M 9		CG 21964 TDJ	17 C 17	
CGU 21952 TBL-8	17 M 9		DC MOTOR: RATED 4.5 HP, 230/250 V DC, 18.8/17.2 AMP, 1750 RPM; 40°C RISE, CONTINUOUS DUTY, 50°C AMBIENT, COMPOUND WOUND WITH INTERPOLES, DRIP-PROOF, SEMI-ENCLOSED. INCLUDES INTEGRAL SPEED REGULATOR TO MAINTAIN SPEED WHEN INPUT VARIES BETWEEN 88 AND 167 V. 10/19/42 Y52.4 APR. 43	CGU:C-5912 ALT.0		MAGNETIC CONTROLLER: RATED 3 HP, 115 V DC (30 AMP.), SEMI-AUTOMATIC, DRIP-PROOF, SHOCK-PROOF (50 FT. LBS.). 11/15/42 11K1846 APR. 43	CG:11K1846 REV. 0	
CGU 21952			CG 21958 SC-1			CG 21965 TDJ	17 C 10	
175 & 334 VOLTS.			AC BLOWER MOTOR: RATED 115/1/60, 5 WATTS, 3000 RPM. CAPACITOR TYPE INCLUDES NAVY TYPE -481658 CAPACITOR. 10/28/42 5KSC52HA52 APR. 43	CG-21957 BUT IS OF NEW DRIPPROOF DESIGN TO ELIMINATE THE CANOPY OVER THE MOTOR. K-35J892 REV. 0		MAGNETIC CONTROLLER: RATED 3 HP, 220/3/60, 8.6 AMP; 68 AMPS LOCKED ROTOR, 50% PF, SEMI-AUTOMATIC, DRIP-PROOF, SHOCK-PROOF (50 FT. LBS.). 11/15/42 11K1760 APR. 43	CG:11K1760 REV. 1	

Class 21—Electrical Machines

3.21-53

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG 21966 TDJ MOTOR-GENERATOR SET: FOR OPERATION FROM 115 V DC SOURCE. CON- SISTS OF ACCESSORIES, BED-PLATE, TYPE CG- 21968 DC MOTOR, TYPE CG-21970 LV & BIAS GENERATOR, & TYPE CG-21971 HV DC GEN- ERATOR.	17/15/42 APR. 43	CG:M-8431455 REV. 0	CBP 21974 WEA-2 MOTOR-GENERATOR: MOTOR SECTION RATED 3 HP. 80 V DC ±10% AT 35 AMP. DC GENERATOR SECTION RATED 75 V DC AT 6 AMPS. & GENERATOR FIELDS. AL- TERNATOR RATED 120/1/60, 3.65 AMPS. 438 KVA, 805 PF. UNIT RATED 1800 RPM, COM- POUND WOUND, 40°C AMBIENT, 50°C RISE FOR 12/4/42 Y41.5/T40 CBP:7993 ALT. 0	APR. 43	61RE21J1579	CRY 21981 ATJ,ATK DYNAMOTOR: OPERATES FROM 24 V DC.	1/2/43 AUG. 44	T-256164 SUB 2
CG 21967 TDJ MOTOR-GENERATOR SET: FOR OPERATION FROM 220/440/3/60 SOURCE. CONSISTS OF ACCESSORIES, BED-PLATE, TYPE CG-21969 AC MOTOR, TYPE CG-21970 LV & BIAS DC GENERATOR, & TYPE CG-21971 HV DC GENERATOR.	17/15/42 APR. 43	CG:M-8431455 REV. 0	CBP 21974 CONTINUOUS DUTY.			CG-21982 TCK-1 MOTOR GENERATOR UNIT: MOTOR: 2 HP. 115 OR 230/1/60, 3425 RPM, 2 POLE, SQUIRREL CAGE, GENERATOR: .72 KW, 1800 V AT .4 AMP DC, COMPOUND WOUND & .35 KW, 500 V AT .35 AMP DC & 115 V AT 1.5 AMP DC. ALSO DETACHABLE GENERATOR RATED AT 24 WATTS, 12 V AT 2 AMP, 40°C 1/4/43 5LY124A3 CG:KW-8432461REV5 NOV. 43 CG: W-8432453REV4	17C7(31/1399) 17M10:9/15/40	
CG 21968 TDJ DC MOTOR: RATED 3 HP, 115 V DC, 27 AMP, 1750 RPM; 50°C AMBIENT, 40°C RISE, CONTINUOUS DUTY. SHUNT WOUND, DRIP-PROOF. INCLUDES SLIP RINGS HAVING OUTPUT OF 610 VA, 82 V, SINGLE PHASE, 60 CTOLDS.	17/15/42 APR. 43	CG:M-8431455 REV. 0	CG 21975 SL AC MOTOR: RATED 1/4 HP, 115/1/60, 3.5 AMPS, 1800 RPM. ENCLOSED, DRIP-PROOF, CAPACITOR TYPE, BALL BEARINGS. INCLUDES TWO 7.5 MFD. 330 V AC CAPACITORS GE TYPE-21F212.			CG-21982 CONTINUED. SAME AS CG-21633 EXCEPT FOR RATINGS.		
CG 21969 TDJ AC MOTOR: RATED 3 HP, 220/440/3/60, 8.6 AMPS. FULL LOAD, 1750 RPM; 50°C AMBIENT, 40°C RISE. CONTINUOUS DUTY. SQUIRREL CAGE INDUCTION TYPE, DRIP-PROOF. STARTING (LOCKED ROTOR) CURRENT: 64 AMPS.	11/15/42 AUG. 43	58Y155A9 COL:AB146 ALT. 0	CAE 21976 NXS-4481 MAGNETIC CONTROLLER: 3 HP, 115 V DC, 23 AMPS. DRIP-PROOF, LOCAL START-STOP SWITCHES ON FRONT PANEL INCLUDES OVERLOAD DEVICES. OVERALL DI- MENSIONS, 28" HIGH, 15 5/8" WIDE & 12 3/32" DEEP. SEMI-AUTOMATIC.	12/11/42 APR. 43	5NC67A82 CW:KXSJ5986 *SEE ABOVE	CCI 21983 MO-1 DYNAMOTOR: INPUT: 5.5 V DC AT 32 AMPS. OUTPUT: 500 V DC AT 200MA, APPROX FULL LOAD OUTPUT 190MA. FOR OPERATION WITH -20190 VIBRATOR POWER ASSEMBLY.	1/2/43 NOV. 43	91-B-5520A
CG 21970 TDJ LV & BIAS GENERATOR: RATED OUTPUT 115 V DC AT 1.0 AMP. & 500 V DC AT (.65 AMPS); 0.44 KW TOTAL; 1750 RPM 50°C AMBIENT, 40°C RISE, CONTINUOUS DUTY. COMPOUND WOUND, DRIP-PROOF, SELF-EXCITED FROM 115 V WINDING WHICH PROVIDES 0.8. AMPS.	11/15/42 AUG. 43	5K25482553 COL:AB145 ALT. 1	CAE 21977 NXS-4481 MAGNETIC CONTROLLER: 3 HP, 230 V DC, 11.5 AMPS. DRIP-PROOF, LOCAL START-STOP SWITCHES ON THE FRONT PANEL. INCLUDES OVERLOAD DEVICES. OVER- ALL DIMENSIONS 28" HIGH, 15 5/8" WIDE & 12 3/32" DEEP. SEMI-AUTOMATIC.	12/17/42 APR. 43	CAE:6842 SER. E892212A CAE:4806 ALT. 0	CCI 21984 MO-1 DYNAMOTOR: INPUT: 11.5 V DC AT 15.5 AMPS. OUTPUT: 550 V DC AT 200MA, APPROX. FULL LOAD OUTPUT 190MA. FOR OPERATION WITH -20193 VIBRATOR POWER ASSEMBLY.	1/2/43 NOV. 43	91-B-5520-A
CG 21971 TDJ MV-DC GENERATOR: RATED 1000 V DC AT 175 AMPS. & 2000 V DC AT .55 AMPS; 1.275 KW TOTAL, 1750 RPM, 50°C AMBIENT, 40°C RISE, CONTINUOUS DUTY. COMPOUND WOUND, DRIP-PROOF, SEPARATELY EXCITED FROM 115 V DC.	11/15/42 AUG. 43	58Y111A6 COL:AB147 ALT. 1	CAE 21978 NXS-4481 MAGNETIC CONTROLLER: 5 HP, 115 V DC, 38 AMPS. SEMI-AUTOMATIC, DRIP-PROOF, LOCAL START-STOP SWITCHES ON FRONT PANEL. INCLUDES OVERLOAD DEVICES. OVERALL DIMENSIONS 28" HIGH, 15 5/8" WIDE, 12 3/32" DEEP.	12/17/42 APR. 43	CAE:6842 SER. 8892209A CAE:4807 ALT. 0	CLL 21985 *SEE BELOW MOTOR-GENERATOR UNIT: MOTOR END RATED 3/4 HP, 115 V DC ±10%, 1800 RPM. GENERATOR END RATED 400 VA, 115/1/60, 85% PF AT FULL LOAD.	1/2/43 NOV. 43	91-B-5520-A
CG 21972 TCK-1 MAGNETIC CONTROLLER: RATED 2 HP, 115/1/60. DRIP-PROOF, SEMI- AUTOMATIC.	11/18/42 FEB. 45	11K2177 CG:11K-2077 ALT 4,	CAE 21979 NXS-4481 MAGNETIC CONTROLLER 5 HP, 230 VOLTS DC, 19 AMPS. SEMI-AUTO- MATIC, DRIP-PROOF, LOCAL START-STOP SWITCHES ON FRONT PANEL. INCLUDES OVER- LOAD DEVICES. OVERALL DIMENSIONS 28" HIGH, 15-5/8" WIDE, 12-3/32" DEEP.	12/17/42 APR. 43	CAE:6842 SER. 8892215A CAE:4805 ALT. 0	ACCESSORY FOR MJ-7 1/4/43 CBM:902A CBM:60233 ALT 0 APR. 45	1/8/43 AUG. 44	16477.17 CW:CSX-852679 ISS. 3, 17-C-10
CBP 21973 WEA-2 MOTOR-GENERATOR SET: CONSISTS OF ACCESSORIES, BED-PLATE, TYPE CBP-21974 MOTOR-GENERATOR & A TYPE CBP- 21789 MV-DC GENERATOR.	12/4/42 APR. 43	Y41.5/T40-F42 CBP:7994 ALT.0 CBM:562CV	CB-21980 ZBX DYNAMOTOR-FILTER UNIT: SAME AS CBY-21400 EXCEPT MADE BY WEST- INGHOUSE. ALL INTERNAL PARTS NOT INTER- CHANGEABLE.	12/30/42 APR. 43	KS-5984 LIST .01 ESO-695208-1	CAO 21986 QBF MAGNETIC CONTROLLER: RATED 2 1/2 HP, 220/3/60, 7.6 AMPS.	1/8/43 AUG. 44	16477.12 CW:KS-5965-02 CAO:16477.12 CW:ESX-652679 ISS. 3, 17-C-10

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-21938	QCS.OCT	6RE21J1580	CCL21995			CIG 211001	PD-1	
MAGNETIC CONTROLLER: FOR HOIST MOTOR. RATED 2.5 HP. 440/3/60. 5 AMPS; 16.5 AMPS. LOCKED ROTOR. DRIP- PROOF. SEMI-AUTOMATIC. RATED AS FULL LOAD FOR ONE HALF HOUR.		17C10(11/1/40)	MITTER; THIS NECESSITATES A LARGER TERM- INAL BOX AND CABLE ENTRANCE CHANGES. SIMILAR TO TYPE -211206.			AC MOTOR: 115/1/60 (105 TO 125 V) .2 AMP. *0.0001 HP. 1600 RPM GEARED TO 22 RPM. PF. 74%. TEMP. RISE 55°C CONTINUOUS. BACK GEARED. SHADED POLE INDUCTION MOTOR. SQUIRREL CAGE ROTOR. WEIGHT 2 POUNDS 13.5 OUNCES. *APPROX. VALUE. 2/6/43 CIG:21535 CIG:21535 REV 0 AUG. 43 CCS:3-22		
1/25/43 11K2212 CG:11K212 REVO APR. 43 CBM:935 CBM:935 ALT 0								
CAJ 21989 QBE-2 MOTOR GENERATOR UNIT: MOTOR RATED: 3/4 HP. 115V DC ±10%. 8.3 AMPS. 1800RPM. GENERATOR RATED: 115 ±10 VOLTS 1 PHASE, 60 CYCLES, 4 AMPS, 460VA, 0.83PF. UNIT IS GOVERNOR CONTROLLED. SIMILAR TO TYPE -21829 AND -211126.			CLL 21996 SF-2 AC GENERATOR: RATED 115/1/400. 1.8 KVA. 15.6 AMPS. 90% PF FULL LOAD. 3450 RPM. EXCITER RATED 115 V DC. .87 AMP. BUILT-IN TO END OF MACHINE. 40°C CONTINUOUS. SAME AS CLL- 21947 EXCEPT FOR ADDITION OF RELAY TO CLOSE PLATE CIRCUITS OF THYRATRON IN 1/28/43 CLL:10457AJ9786 SK-5561 APR. 43 ALT 3			COB 211002 PD-1,PH,PJ AC MOTOR: 115/1/60. .2 AMP. 17 WATTS. INPUT 8 WATTS WITH SHADING POLES OPEN. 18 WATTS IDLE AND 20 WATTS STALLED. OPEN CIRCUIT VOLTAGE IN SHADING COILS IS 27 V. TWO POUND-INCHES STARTING TORQUE IS DEVEL- *082 OF MAN. TY. NO. ARE LOWER CASE 2/6/43 COB:0Y424161* COB:CATALOGUE M- AUG. 43 CCS:3-29 MOD. 31 0YAZ-4161 01M		
1/12/43 CBM:288Y CBM:60252 NOV. 43 ALT 0								
CC-21990 SM MOTOR-GENERATOR UNIT: MOTOR 32 V DC. 22 AMPS. 5/8 HP. GENERATOR: 115/1/60. 3.04 AMPS 350VA. 0.85PF. 1800 RPM. 32 VOLTS SEPARATE EXCITATION. 40°C CONT. SIMILAR TO TYPES -2107A, 21701, 21991			CCB-20175. INDICATOR & TRANSMITTER; THIS NECESSITATES A LARGE TERMINAL BOX AND CABLE ENTRANCE CHANGES.			COB 211002 OPED AT THE OUTPUT SHAFT. GEAR RATIO 60:1 INCLUDES ALUMINUM DISC BRAKE MOUNTED ON REAR SHAFT PROJECTION WHICH IS 3/8" LONGER THAN THE STANDARD CATALOGUE ITEM. WEIGHT 38 OUNCES INCLUDING BRAKE. .33 RPM AT SHAFT 60:1 RATIO.		
1/15/43 CC:DL4W210A CG:K-45J557 NOV. 43 REV. 0								
CC-21991 SM MOTOR-GENERATOR UNIT: MOTOR 115 V DC. 5.7 AMPS. 5/8 HP. GENERATOR: 115/1/60. 3.04 AMPS 350VA. 0.85PF. 1800 RPM. 115 VOLTS SEPARATE EXCITATION. 40°C CONT SIMILAR TO TYPES -2107A, 21701, 21990			CG-21997 MARK 11 XA-8845 MOTOR: RATED 1/40 HP. 115/1/60 AT .5 AMPS. 3300 RPM. 40°C CONTINUOUS. CAPACITOR TYPE. BALL BEARINGS. TOTALLY ENCLOSED. WEATHER PROOF. *CG:M-7468610 REV 1. CRY:M-422752 REV 0 1/30/43 5KCP25AC25 *SEE ABOVE APR. 43			CAJ 211003 -55ACX MOTOR: 115 V; 2 PHASE, 2 POLE. 60 CY. TOTALLY ENCLOSED. CONTINUOUS DUTY. 2000 RPM. 50°C RISE. 4 COILS IN SERIES PER PHASE. 280 TURNS #34 FORMEX WIRE PER COIL. 180 OHMS DC RESISTANCE PER WINDING. 2/8/43 CAJ:RBC-2514 CRY:M-440243-1 SEPT 43 SUB 1		
1/13/43 CC:DL4W210A CC:K-43J557 NOV. 43 REV. 0								
CBX 21992 QCG-2 AC MOTOR: SPEED REDUCER TYPE. RATED 6.5". OUNCE TORQUE. 110/1/60. 8 WATTS. 60 RPM. SAME AS CBX-21646 EXCEPT FOR BALL BEARINGS & USE OF 1.25 MFD CAPACITOR INSTEAD OF .8 MFD CAPACITOR.			CCF 21998 MARK 11 XA-8845 BLOWER MOTOR: MOTOR RATED 7 1/2 WATTS. 115/1/60 AT .35 AMPS. 2590 RPM. 40°C CONTINUOUS. CAPACI- TOR TYPE. BALL BEARINGS. OPEN. BLOWER RATED 52 C F/M AT 2590 RPM. *CG:M-7468088 REV 1. CRY:M-422416 REV 2 1/30/43 CCF: MODEL #09 *SEE ABOVE APR. 43 CC:KS-52HA51			CLL 211004 MARK 16 AC GENERATOR: 7.5 KW. 9.375 KVA. 120/1/60. 2/11/43 C:KS-5591 APR. 43 LIST 11		
1/14/43 KYC-23 MOD CRY:M-421568-2 APR. 43 SUB. 4								
CAE 21993 MEA-2 MAGNETIC CONTROLLER: RATED 3 HP. 80 V DC. INCORPORATES OVER- LOAD PROTECTION, UNDERVOLTAGE RELEASE, & GENERATOR FIELD CIRCUIT DISCHARGE DE- VICE. SAME AS CAE-21795 EXCEPT FOR 80 V DC OPERATION.			COE 21999 MARK 9 MOTOR AC: RATED 1/75 HP. AT 115/1/60. 0.5 AMPS. 1670 RPM. CAPACITOR TYPE INDUCTION MOTOR. DOES NOT INCLUDE CAPACITOR. HOWEVER RE- QUIRES NAVY TYPE 48172 CAPACITOR FOR USE. 2/4/43 CM:KS-5933 NOV. 43 ISSUE 2			CG-211005 TAJ-17 MAGNETIC CONTROLLER: RATED 4 HP. 220/3/50. SIMILAR TO CG- 21754 EXCEPT CASE DIMENSIONS SLIGHTLY DIFFERENT. PANEL PARTS ARE REARRANGED SO THAT THE 60 AMF FUSES CAN BE REPLACED WITH 80 AMP FUSES. 2/15/43 CG:11K2290 CG:11K2290 AUG. 43 ALT 0		
1/21/43 CBM:4348A APR. 43								
CG-21994 *SEE BELOW 6RE21J1581 MAGNETIC CONTROLLER: 17C17(11/1/40) RATED 10 HP CONTINUOUS. 105 TO 130 V DC. 85 TO 68 AMPS. DRIP-PROOF. SEMI-AUTC- MATIC. *ACCESSORY FOR QCS.OCT 1/21/43 11K-2201 CG:11K2201 REVO APR. 43 CBM:934 CBM:934 ALTO			CDS 211000 M2 GENERATOR: OUTPUT 12 V. 55 AMPS. ALSO INCLUDES VOLTAGE REGULATOR.			CG-211006 TAJ-17 MAGNETIC CONTROLLER: RATED 4 HP. 220/3/50. SIMILAR TO CG- 21754 EXCEPT CASE DIMENSIONS SLIGHTLY DIFFERENT. PANEL PARTS ARE REARRANGED SO THAT THE 60 AMP FUSES CAN BE REPLACED WITH 80 AMP FUSES. 2/15/43 11K2290 11K2290 ALT. 0 APR. 43 FOR SIZE		
CLL 21995 SF-2 MOTOR GENERATOR SET: CONSISTS OF ACCESSORIES. BEDPLATE SUP- PORTED BY 6 SHOCK-MOUNTS. TYPE CLL-21946 DC MOTOR. & TYPE CLL-21996 AC GENERATOR. SAME AS CLL-21945 EXCEPT FOR ADDITION OF RELAY TO CLOSE PLATE CIRCUITS OF THYRA- TRON IN CBM-20175, INDICATOR & TRANS- 1/24/43 CBM:902C SK-5561 ALT. 3 MAR. 44			CDS 211000-A M2-2 GENERATOR OUTPUT 12V DC. 55.0 AMPS. ALSO INCLUDES VOLTAGE REGULATOR. SAME AS -211000 EXCEPT VOLTAGE REGULATOR IS WEATHERPROOF. 5/12/44 CDS:SP-4022D OCT. 44 REV A			CG-211007 GENERAL USE MOTOR-GENERATOR UNIT: MOTOR: 115 V DC. 40 AMPS. 5 HP. 1800 RPM. GENERATOR: 115/1/60. 21.7 AMPS. 2KW 0.85PF. 50°C CONT. VOLTAGE REGULATION ±5%. ALL STEEL CONSTRUCTION. SAME AS -21698 EXCEPT FOR ADDITION OF LEAD WIRE TO PERMIT SHORT CIRCUITING THE SPEED 2/15/43 D-254 MOTOR C-30394 SEPT 43 DS-254 GENER. DATED 11/30/42		

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CC-211007
GOVERNOR TO PERMIT MANUAL SPEED CONTROL.

CC-211008 GENERAL USE
MOTOR-GENERATOR UNIT:
MOTOR: 230 V DC, 20 AMPS, 5 HP, 1800 RPM.
GENERATOR: 115/160, 21.7 AMPS, 2KW
0.85PF, 50°C CONT. VOLTAGE REGULATION:
2%, ALL STEEL CONSTRUCTION, SAME AS
-21523 EXCEPT FOR ADDITION OF LEAD WIRE
TO PERMIT SHORT CIRCUITING THE SPEED
2/15/43 D-254 MOTOR C-30394
SEPT 43 DS-254 GEN. DATED 11/30/42

CC-211008
GOVERNOR TO PERMIT MANUAL SPEED CONTROL.

CAT 211009 TAB-6
BLOWER MOTOR:
RATED 220/440 V, 3 PHASE, 60 CYCLES,
2.2/1.1 AMPS, .5/1.75HP, 1425/1725RPM,
.75/.86 PF, 45°C TEMPERATURE RISE,
SQUIRREL CAGE TYPE.

2/26/43 FS 7-D-8532
APR. 43 S/1171040 REV. 4

CC-211010 SM
MOTOR-ALTERNATOR SET:
FOR OPERATION FROM 440/360. CONSISTS OF
ACCESSORIES, BEPLATE, TYPE CC-211011
SYNCHRONOUS MOTOR, & TYPE CC-211012 AC-
DC GENERATOR.

3/1/43 K-7789299-G1 CC:M-8008143
AUG. 43 REV. 0

CC-211011 SM 17M10(9/15/40)
SYNCHRONOUS MOTOR: & AMEND #6
RATED 40 HP, 440/360, 47 AMPS, .9 PF,
40°C CONTINUOUS. REQUIRES 120 V DC, 5.6
AMPS SEPARATE EXCITATION. 1800 RPM.

3/1/43 CC:M-8008146PC1 CC:M-8008143
AUG. 43 REV. 0

CC-211012 SM *SEE PLATE 2
ALTERNATOR:
ALTERNATOR RATED 440/360, 25 KW, 31.2
KVA, .8 PF, 41 AMPS; 1800 RPM, 40°C CON-
TINUOUS; SEPARATELY EXCITED AT 120 V DC
5.6 AMPS. INCLUDES A DC GENERATOR RATED
1.5 KW, 120 V DC, 12.5 AMPS, 1800 RPM,
40°C CONTINUOUS, SELF-EXCITED: USED TO
3/1/43 *SEE NEXT PLATE CG:4-8008143
AUG. 43 REV. 0

CC-211012
EXCITE THE ALTERNATOR PORTION & THE
-211011 SYNCHRONOUS MOTOR.
*17 C 7 (3/1/39) AND AMEND #5
17 C 8 (4/15/41) AND AMEND #4

Ø GEN TYPE W-8008144PC1
EXCIT TYPE W-5051895PC1

CC-211013 SM 17 C 10
MAGNETIC CONTROLLER:
RATED 40 HP, 440/360. ALSO INCLUDES
AUTOMATIC VOLTAGE REGULATING EQUIPMENT
TO START, STOP, & PROTECT A CC-211010
MOTOR-ALTERNATOR SET. VOLTAGE REGULATOR
TYPE -20235.

3/1/43 11K2270 CG:11K2270
APR. 43 REV.00

CCL 211014 *SEE BELOW
MOTOR-GENERATOR SET:
CONSISTS OF ACCESSORIES, BEPLATES, ONE
NAVY TYPE CCL-211015 SHUNT MOTOR & ONE
NAVY TYPE CCL-211016 DC GENERATOR.
SIMILAR TO NAVY TYPE CCL-211338 MOTOR-
GENERATOR SET.
*GENERAL USE NXSS-22953
3/12/43 CCL SPEC. 7613 F4376
NOV. 44 CHANGE 2

CCL 211015 *SEE BELOW
SHUNT MOTOR:
3/4 HP, 115 V DC, 6.3 AMPS, 1750 RPM,
SHUNT WOUND. MAX. TEMPERATURE RISE 40°C
OVER 50°C AMBIENT FOR CONTINUOUS OPER-
ATION. TWO POLE WITH ONE INTERPOLE BALL
BEARING TYPE, TWO BEARINGS, DRIP-PROOF.
*GENERAL USE NXSS-22953
3/12/43 DN91-A F4376
NOV. 44 CCL SPEC. 7613 CHANGE 2

CCL 211015
SIMILAR TO NAVY TYPE CCL-211337 SHUNT
MOTOR.

CCL 211016 GEN USE NXSS-22953
DC GENERATOR:
RATED 27 V DC, 9.3 AMPS, 0.25 KW. CON-
POUND WOUND, SELF-EXCITED. SPEED 1750
RPM. MAX. TEMPERATURE RISE 40°C OVER
50°C AMBIENT FOR CONTINUOUS OPERATION
TWO MAIN POLES. BALL BEARING TYPE, TWO
Ø CCL:SPEC:7613. CCL:SPEC:7614
3/12/43 CCL:DG82-A F4376 CHG. 2
NOV. 44 ØSFE ABOVE F4377 CHG. 4

CCL 211016
BEARINGS, DRIP-PROOF. SIMILAR TO TYPE
CCL-211334 DC GENERATOR.

CCL 211017 *SEE BELOW
AC MOTOR:
115/230/1/60, 9.4/4.7 AMPS, 3/4 HP, 1750
RPM, 40°C MAX. TEMP. RISE OVER 50°C
AMBIENT FOR CONTINUOUS OPERATION. RE-
PULSION START, INDUCTION RUN, DRIPPROOF.
SIMILAR TO NAVY TYPE CCL-211335 AC. MOTO
*GEN USE NXSS-22953
3/12/43 CCL:RS83-A CCL:F4377
NOV. 44 SPEC. 7614 CHANGE 4

CCL 211018 *SEE BELOW
MOTOR-GENERATOR SET:
CONSISTS OF ACCESSORIES, BEPLATE, ONE
NAVY TYPE CCL-211016 DC GENERATOR & ONE
NAVY TYPE CCL-211017 AC MOTOR. SIMILAR
TO NAVY TYPE CCL-211335 MOTOR-GENERATOR
SET.
*GENERAL USE NXSS-22953
3/12/44 CCL:SPEC. 7614 CCL:F4377
NOV. 44 CHANGE 4

CHT 211019 *SEE BELOW
MOTOR-ALTERNATOR UNIT:
MOTOR END: 32 VOLTS DC 3/4 HP 26 AMPS,
825 WATTS ALTERNATOR END: 115/160, 0.90
PF, 500VA, 4.3 AMPS, UNIT RATED 1800 RPM,
40°C CONT. 32V SEP. EXCITATION DRIPPROOF.

*FOR USE WITH NJ-8
3/25/43 CIP:ES-1082 CIP:10-1055
NOV. 43 CHT:42092-E-S ISSUE 3

CHT 211020 *SEE BELOW
MOTOR-ALTERNATOR UNIT
MOTOR END: 230 VOLTS DC 3/4 HP 3.6 AMPS,
800 WATTS ALTERNATOR END: 115/160, 0.90
PF 500VA, 4.3 AMPS, UNIT RATED 1800 RPM,
40°C CONT. 230 V SEP. EXCITATION
DRIPPROOF, KVA IS 1.2 POWER FACTOR 75%.
*FOR USE WITH NJ-8
3/25/43 CIP:ES-1083 CIP:10-1055
AUG. 44 CHT:42092-E-2 ISSUE 3

CHT-211020
CURRENT INPUT RATINGS AT OPERATING CON-
DITIONS ARE 10.4/5.2.

CET 211021 *SEE BELOW
MAGNETIC CONTROLLER:
RATED: 3/4 HP 32 VOLTS DC. TYPE NO. DOES
NOT INCLUDE FUSES

*FOR USE WITH NJ-8
3/25/43 CIP:ES-1080 CIP:10-1043
NOV. 43 ISSUE 3

CET 211022 *SEE BELOW
MAGNETIC CONTROLLER:
RATED: 3/4 HP 230 V DC TYPE NO.
DOES NOT INCLUDE FUSES

*FOR USE WITH NJ-8
3/25/43 CIP:ES-1081 CIP:10-1043
NOV. 43 ISSUE 3

CAO 211023 ØBF 17 C 17
MAGNETIC CONTROLLER:
RATED: 2.5 HP, 115 V, 22 AMPS. DC CEMF
REVERSING TYPE.

3/26/43 CAO:16759.1
APR. 43

CBP 211024 NJ-4
MOTOR GENERATOR UNIT:
MOTOR RATED 230±10% VOLTS, 3.1 AMPS DC,
1800 RPM. GENERATOR RATED 115 VOLTS,
300 VA, 0.86 PF, 60±1% CYCLES. SINGLE
PHASE AC. SIMILAR TO TYPE-21625 EXCEPT
FOR MOTOR RATING..

3/29/43 CBM:562CJ CBP:SK4930B
MAY 43 ALT.0

G-211025 SM XA-8845
MOTOR-GENERATOR UNIT
INPUT: 440/360, 3.7 AMP AT 0.88 PF, 3.0
P. OUTPUT: 125 V DC, 12.0 AMP, 1500 W,
40 BEARING MOTOR GENERATOR SET, SELF-
EXCITED, 3450 RPM, OPEN DRIPPROOF FOR
MOUNTING ON HORIZONTAL SURFACE, 50°C
AMBIENT, 40°C RISE CONTINUOUS RATING.
2/29/43 CG:5BBY76A818 CG:M-5884717
JY. 43

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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3.21-56

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-211025-A SX	17-M-10		CAY 211030 TDE-1			CHT 211037	GEN UWS USE	
MOTOR GENERATOR UNIT	17-G-7		MOTOR-GENERATOR AND RECTIFIER POWER UNIT; OPERATES FROM 115/230/1Ø/60~, 12.2/6.1 AMP, 1.4 KW. CONSISTS OF A MOTOR GENERATOR SET, AND A RECTIFIER. MOTOR IS TYPE CAY-211031; GENERATOR IS TYPE CAY-21854. RECTIFIER OPERATES FROM LINE THROUGH A STEP DOWN			MOTOR GENERATOR UNIT:		
INPUT: 440/3/Ø. 3.7 AMPS AT 0.88 PF.			4/9/43			INPUT 220 TO 240 (230) V DC. 45 AMPS		
3.0 HP. OUTPUT: 125V DC. 12.0 AMPS. 1500 WATTS. TWO BEARING MOTOR GENERATOR SET, SELF-EXCITED, 3450 RPM. OPEN DRIPPROOF FOR MOUNTING ON HORIZONTAL SURFACE. 50°C AMBIENT. 40°C RISE CONTINUOUS RATING.			MAY 43			1800 RPM. 12 HP. OUTPUT: 44Ø/3/Ø. 7.5 KVA. 0.65 PF. 50°C CONTINUOUS MAX. TEMP. RISE. DRIP-PROOF. HAS SPEED REGULATOR ±1 CYCLE FREQ. REGULATION TWO BALL BEARINGS SINGLE ARMATURE SHAFT. SEPARATELY EXCITED		
5/16/45 58876AB20 CG:M-5884717						5/1/43 CHT:HN-7432 CHT:243-352		
JUN. 45						SEPT 43		
	CG-211025-A		CAY211030			CHT211037		
	SAME AS TYPE -211025 EXCEPT MEETS NAVY SPECIFICATIONS.		TRANSFORMER AND PROVIDES FILAMENT AND BIAS VOLTAGES. OUTPUT 115 OR 230 VDC AT 1.75/0.88 AMPS. 12 VDC AT 1.2 AMP. 90 VDC AT 60 MA. 550 VDC AT 0.26 AMP AND 2000 VDC AT 175 MA.			230 V DC. EQUIPPED WITH GENERATOR FIELD RHEOSTAT. SAME AS NAVY TYPE CHT-21817 EXCEPT FOR INPUT VOLTAGE.		
CG-211026 SM	XA8845		CAY 211031 TDE-1			CAE 211039	GEN UWS	17 M90
MOTOR-DYNAMO AMPLIFIER			AC MOTOR:			MAGNETIC CONTROLLER:		
UNIT: INPUT: 440/3/Ø. 5.7 AMP; 33VDC, 0.03 AMP; 33VDC, 0.03 AMP. MOTOR: 3450 RPM, 4HP. OUTPUT: 250VDC, 60 AMP, 1500 WATTS. TWO BEARING SEPARATELY EXCITED, 3450 RPM, OPEN DRIP-PROOF FOR MOUNTING ON HORIZONTAL SURFACE. 50°C AMBIENT.			1 H.P., 115/230V/1Ø/60~, 3450 RPM, 50°C CONTINUOUS DUTY, CAPACITOR START, INDOCTION RUN.			12HP. 220 TO 240 (230) V DC. 47 AMP (RANGE 25 TO 55). SEMI-AUTOMATIC, DRIP-PROOF, CLASS 50 SHOCK, 40°C AMBIENT, MAGNETIC OVERLOAD.		
3/23/43 CG:5A478AB79 CG:M-5884716			4/9/43 CAY:36-J-156 CAY:R-1276			5/1/43 CAE:6942(C141633) CAE:87151-W-1		
AUG. 43			AUG. 44			SEPT 43 CAE: 5408 ALT 0 CAE:5408 ALTO		
	CG-211026		CLA 211032	*SEE BELOW		CHT 211039	GEN UWS USE	
40°C RISE CONTINUOUS.			MOTOR-GENERATOR SET:			MOTOR GENERATOR UNIT:		
			CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CLA-211033 DC MOTOR AND A TYPE CLA-211034 AC GENERATOR.			INPUT 220 TO 240 (230) V DC, 1800 RPM, 1.75 HP SHUNT WOUND MOTOR. OUTPUT: 115/1/60, 1 KVA, 0.9 PF, MAX. TEMPERATURE RISE 50°C CONTINUOUS, DRIP-PROOF, HAS SPEED REGULATOR, ±1 CYCLE FREQUENCY VARIATION, 2 BALL BEARINGS, SINGLE ARMATURE		
			#CLA: 33043 REV 0			5/1/43 CHT:HN-1112 CHT:243-365		
			*ACCESSORY FOR QCS-1, QCT-1			SEPT 43		
			4/20/43 CBM:937 CBM:SK-5679					
			SEPT 43 CLASS E ALT 0 #					
			CLA 211033	-211032		CHT211039		
			DC MOTOR:			SHAFT, HAS EXCITER ON ONE END WITH HOLLOW SHAFT TO SLIP ON MAIN SHAFT. SAME AS NAVY TYPE CHT-21821 EXCEPT FOR INPUT VOLTAGE.		
			RATED 10 HP, 105 TO 130 V DC, 1800 RPM; COMPOUND WOUND; DRIP-PROOF, BALL BEARINGS.					
			#CLA: 33041 REV 0					
			4/20/43 OCHA FRAME 3242 CBM:SK-5679					
			SEPT 43 CLASS E ALT 0 #					
			CLA 211034	-211032		CAE 211040	GEN UWS USE	17 M 90
			AC GENERATOR:			MAGNETIC CONTROLLER:		
			RATED 7 1/2 KVA, 440/3/Ø. 0.8 PF, 1800 RPM; DRIP-PROOF, BALL BEARINGS.			SEMI-AUTOMATIC STARTER, RATED 1.75 HP, 220 TO 240 (250) V DC, 14 AMPS. CLASS 50 SHOCK, 40°C AMBIENT. MAGNETIC OVERLOAD PROTECTION. (RANGE OF ADJUSTMENT 18 TO 32 AMPS.)		
			#CLA: 33042 REV 0			5/1/43 CAE:6942(C1416 36A) 5418 ALT 0		
			4/20/43 OCHA FRAME 3262 CBM:SK-5679			SEPT 43 CAE:5418 ALT 0 CAE:87765W1		
			JUNE 43 CLASS J ALT 0 #					
			CWS 211035	TCS-7		CEK 211041	TCS-6	
			DYNAMOTOR ASSEMBLY:			DYNAMOTOR:		
			CEK TYPE ML 3415-37 HIGH VOLTAGE GENERATOR /CWD TYPE 4115FS-S.129 LOW VOLTAGE GENERATOR: INPUT 12.0/Ø.12.0 V; 9.9/3.8 A DC; OUTPUT 400/220 V DC, 0.18/Ø.18 A DC; 40°C CONTINUOUS.			INPUT 12 V DC AT 9.9 AMPS. OUTPUT 400 V DC AT 0.18 AMPS. SPEED 4700 RPM. TEMP. RISE 40°C CONTINUOUS. A PART OF TYPE -21881-B DYNAMOTOR ASSEMBLY.		
			4/24/43 CWS:416T-4 CWS:915C			*COL:231410800 REV 7. COL:231N41 REV 3		
			JUNE 43			5/18/45 CEK:ML-4120-46 CHZ:ØM-1000		
						DEC. 44 REV 0 #		
			CG-211029 SM	17M10(3/1/39)		CEK-211041-A	TCS SERIES	
MOTOR-DYNAMO AMPLIFIER	17G7		MAGNETIC CONTROLLER:			DYNAMOTOR		
UNIT: FOR LEVEL, CROSS LEVEL, OR RELATIVE SCANNER BEARING. INPUT: 440/3/Ø. 1.0 AMP, 3450 RPM, 3/4 HP. AMPLIFIER ELEMENT: 250 VDC, 1.5 AMPS. OPEN, DRIP-PROOF, 50°C AMBIENT, 40°C RISE CONTINUOUS.			RATED 5.5 HP, 220/3/50. SEMI-AUTOMATIC, DRIP-PROOF. (SEE CG-21897 WHICH IS SAME EXCEPT FOR Ø~.)			INPUT: 12V DC; OUTPUT: 440V DC AT 0.2 AMPS DC. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH TYPE -211041, SIMILAR TO TYPE -211041 EXCEPT INPUT WINDING IS IN BOTTOM OF ARMATURE SLOTS.		
5/23/45 CG:5A49AB31			4/28/43			1/10/45 ML4120-60		231002200
AUG 43			JUNE 43			FEB. 45		
			CG:11K2047					
			REV 5					
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CWO-211042 TCS-6 DYNAMOTOR INPUT: 12 VOLTS DC AT 3.8 AMPS. OUTPUT: 220 VOLTS DC AT 0.1A SPEED IS 4400 RPM. TEMP. RISE 40°C CONTINUOUS. ENCLOSED TYPE. A PART OF TYPE -21881-B DYNAMOTOR ASSEMBLY. 5/18/43 CWO:35X030 CHZ:DM-1001 MAR. 44 REV A			CGU 211043-B SO-1 MOTOR ALTERNATOR AND MOUNTING BASE: MOTOR RATED: 115V DC, 3450 RPM, SHUNT ON SHUNT STABILIZE WOUND 3 HP. ALTERNATOR RATED: 115/1/400, 3450 RPM 2.0 KVA AND 90% PF. INCLUDES MOTOR, ALTERNATOR, EXCITER, COUPLING ALL MOUNTED ON BASE. PART OF TYPE -21ACD-2. SAME 5/27/43 (CRP)RX-1053 AUG. 44			CRM 211048 DAE ROTARY CONVERTER-FILTER UNIT: INPUT: 11.5 V, 10.0 AMPS DC. OUTPUT: 115/1/60, 0.5 AMPS AND UNITY PF, 3600 RPM, 35°C CONTINUOUS. SAME AS TYPES -21743, -21910 AND -211049 EXCEPT FOR INPUT. 6/3/43 CRN:KS-48 JULY 43		
CWD 211042-A TCS SERIES DYNAMOTOR INPUT: 12 VOLTS DC AT 3.8 AMPS. OUTPUT: 220 VOLTS DC AT 0.10 AMPS 4400 RPM. TEMP. RISE 40°C. TOTALLY ENCLOSED. SAME AS CWO-211042 EXCEPT IS MADE BY WINDCHARGER. 2/26/44 3412-SS117 COL:231N40A AUG. 44 REV 1			CGU 211043-B AS BASIC NUMBER EXCEPT SUPPLIER. CANCELLED			CRN 211049 DAE ROTARY CONVERTER-FILTER UNIT: INPUT: 32.0 V, 3.5 AMPS DC. OUTPUT: 115/1/60, 0.5 AMPS AND UNITY PF, 3600 RPM, 35°C CONTINUOUS. SAME AS TYPES -21743, 21910, AND 211048 EXCEPT FOR INPUT. 6/3/43 CRN:KS-48 JULY 43		
CEK 211042-B TCS SERIES DYNAMOTOR INPUT: 12 VOLTS DC AT 3.8 AMP. OUTPUT: 220V DC AT 0.10 AMPS 4400 RPM. TEMP. RISE 40°C TOTALLY ENCLOSED. SAME AS CWO-211042 EXCEPT IS MADE BY EICOR. *COL:231,400,00 REV 7 2/26/44 ML3415-57 COL:231N40 DEC. 44 REV 3 *			CQR 211044 SO-1 MOTOR-ALTERNATOR AND MOUNTING BASE: MOTOR RATED: 115 V DC, 4800 RPM, ALTERNATOR RATED: 115/1/400, 4800 RPM. INCLUDES SELF CONTAINED MOTOR-ALTERNATOR AND EXCITER ALL MOUNTED ON BASE. PART OF TYPE -21ACD-3. SIMILAR TO TYPE -211043. CANCELLED 5/27/43 CRP:RX-1054 SEPT. 44			CAY 211050 TBL-10.11 MOTOR-AC: INPUT: 220/440 V, 3 PHASE, 50 TO 60 CYC. 1.1/55 AMPS, 1/7 TO 1/4 HP, 950 TO 1140 RPM, 58/68% PF, 45°C CONTINUOUS. DC RESISTANCE OF WINDING IS 131 OHMS. 6/4/43 CAY:FS- CAY:8-D-2670 JULY 43 FRAME #145 SUB 1		
CEK-211042-C TCS SERIES DYNAMOTOR INPUT: 12V DC: OUTPUT 220V DC AT 0.10 AMPS DC. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH TYPE -211042-B. SAME AS TYPE -211042-B EXCEPT THE INPUT WINDING IS IN BOTTOM OF ARMATURE SLOTS. 1/10/45 ML3415-252 231002300 FEB. 45			CDD 211044-A SO-1 SIMILAR TO BASIC NUMBER EXCEPT FOR SUPPLIER, ELECTRICALLY & MECHANICALLY INTERCHANGEABLE BUT NOT COMPONENT PARTS. CANCELLED 5/2/44 CRP:RX-1076 AUG. 44			RQ-211051 OAY DYNAMOTOR ASSEMBLY: PORTABLE DYNAMOTOR POWER ASSEMBLY CONSISTING OF TWO JAMETTE CA-18F DYNAMOTORS RATED 32 V DC INPUT, 110/1/60 VOLTS, 150 WATTS OUTPUT IN A WOODEN CARRYING CASE. ONE INPUT RECEPTACLE AND TWO OUTPUT RECEPTACLES. 6/11/43 CA-18F CODE WORD RQ21F111A FEB. 45 RA20T ALT 0		
CLL 211043 SO-1 MOTOR-ALTERNATOR AND MOUNTING BASE: MOTOR RATED: 115 V DC, 3450 RPM, SHUNT ON SHUNT STABILIZE WOUND 4 HP. ALTERNATOR RATED: 115/1/400, 3450 RPM 2.0 KVA AND 90% PF. INCLUDES MOTOR, ALTERNATOR, EXCITER, COUPLING ALL MOUNTED ON BASE. PART OF TYPE -21ACD. INPUT CUR- 5/27/43 CLL:FRAME 50 M-4D16-W133 AUG. 44 CRP:WX-5125 SUB A			CDD 211045 SO-1 MAGNETIC CONTROLLER: MOUNTED ADJACENT TO TYPE -21ACD, 21ACD-1 21ACD-2, OR 21ACD-3 IN A DRIP-PROOF HOUSING. RATED AT 4 HP INPUT 115V DC AT 23 AMPS. 5/27/43 CDD:IDC M-4D-V152 AUG. 44 CRP: SUB B			CDA 211052 GEN RADAR USE SERVO-MOTOR: 75/75 VOLTS, 2 PHASE, 60 CY, 2 POLES BOTH WINDING SIMILAR. 6/14/43 CDA:SS-FP25-3 RE 9111-C NOV. 43 LOW INERTIA		
CLL-211043 RATED RATING 23.5 AMPS DC, OUTPUT 17.4 AMPS. A.C.			CAE-211046 MEA-2 MAGNETIC CONTROLLER: RATED 3.0 HP, 115V DC, 25 AMP INCOMP. OVERLOAD PROTECTION UNDERVOLTAGE RELEASE AND GENERATOR FIELD CIRCUIT DISCHARGE DEVICE. SAME AS -21794 EXCEPT REWIRED. FOR 115V DC. 5/29/43 CBM:4348C CBM:60135 JULY 43 ALT 2			CCL 211053 QBF 71RE21J1591 AC MOTOR (HOIST): RATED 2.5 HP, 220 OR 440/3/60, 7.6/3.8 AMPS, 1620 RPM. DRIP PROOF, SEMI-ENCLOSED, 5 MINUTE DUTY. 6/23/43 SCT-204-BND CCL:F4361 SEPT 43		
CNH 211043-A SO-1 MOTOR ALTERNATOR AND MOUNTING BASE: MOTOR RATED: 115 V DC, 3450 RPM, SHUNT ON SHUNT STABILIZE WOUND 3 HP. ALTERNATOR RATED: 115/1/400, 3450 RPM, 2.0 KVA AND 90% PF. INCLUDES MOTOR, ALTERNATOR, EXCITER, COUPLING ALL MOUNTED ON BASE. PART OF TYPE -21ACD-1, SAME 5/27/43 CRP:WX-5637 M-4D17-W210 AUG. 44 SUB A			CG-211047 SM-1 STEP-BY STEP TO SYNCHRO CONVERTER: INPUT: 22 V DC, STEP-BY-STEP AT 90 SPEED: 4.6 AMPS AT 115/1/60 FOR SYNCHRO EXCITATION. OUTPUT: 7C SYNCHRO AT 1 SPEED AND 6 G SYNCHRO AT 36 SPEED. AN ILLUMINATED 0 TO 360° DIAL IS PROVIDED AT 1 SPEED. STEP-BY-STEP MOTOR IS GEARED 5/31/43 CG:DL-8023627 CG:T-8601758 DEC. 44 REV 0			CCL-211053-A QJB A.C. MOTOR (HOIST) RATED 2.5 HP, 220- 440/3/60, 7.6/3.8 AMPERES, 1620 RPM (FULL LOAD), DRIPPROOF SEMI-ENCLOSED 5 MINUTES DUTY. SAME AS 211053 EXCEPT ROTORS AND STATORS ARE NOT INTERCHANGEABLE. 5/26/44 SC-204-B F-4855 AUG. 44		
CNH211043-A AS BASIC NUMBER EXCEPT SUPPLIER. INPUT CURRENT RATING 23.5 AMPS DC, OUTPUT 17.4 AMPS AC.			CG-211047 TO THE SYNCHRO.			CCL 211054 QBF DC MOTOR (HOIST): RATED 2.5 HP, 115 VOLTS DC, 22 AMPS, 1620 RPM, COMPOUND WOUND, 5 MINUTE DUTY. DRIP PROOF, SEMI-ENCLOSED. 6/23/43 CCL:DM-204-A SEPT 43		

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COA 211055	SA & SA-2	XA8845	CEK 211062	CXDU	17M10 (INT)	CMF 211070	*SEE BELOW	RE 13A 804A
MOTOR-AC: 2 POLE, 2 PHASE INDUCTION MOTOR RATED 75 VOLTS 11 AMPS PER PHASE AND 2000 RPM 115/1/60 EXCITATION REQUIRED. SUITABLE FOR CONTINUOUS OPERATION AT 50°C ABOVE AMBIENT RANGE OF -20°C TO + 50°C.			BLOWER MOTOR: RATED 1/100 HP, 28 VOLTS DC, .850 AMPS, 8400 RPM.			HAND-DRIVEN GENERATOR: RATED 500 V DC AT 0.065 AMPS AND 12.6 V DC AT 0.86 AMPS, TOTAL OUTPUT 43.4 WATTS CRANK SPEED 50 TO 70 RPM. SAME OUTPUT AS NAVY TYPE -21263, SIMILAR TO -21263 EXCEPT 1. SMALLER 2. HAND-DRIVEN ONLY *USE WITH TBX SERIES (EN28/4240-44/SHIPS)		
6/23/43	SIMILAR TO	CRY:M-441150-1	7/14/43	CEK:H116-10-49	CG:K47J289-2	7/27/43		
SEPT 43	SS #FP25-1	SUB 1	NOV. 43		REV 1	SEPT 43		
CSZ 211056	QCQ-2		CG-211063	SM		CMF 211070		
MAGNETIC CONTROLLER: INPUT: 440/3/60. THREE POLES (INSTAN- TANEOUS CLOSE) FOR CONTROL OF DRIVER MOTOR FOR DYNAMOELECTRIC AMPLIFIER. FOURTH POLE USED AS INTERLOCK IN THE POWER SUPPLY.			BLOWER MOTOR: MOTOR RATED 115/1/60. ALSO INCLUDES 10" THREE BLADE FAN CAPABLE OF DELIVERING 250 CFM AT ZERO STATIC HEAD. INPUT CURRENT 0.69 AMPS.			3. LOWER NOISE OUTPUT.		
7/1/43	S1ZF 1 CLASS 853	CRY:W-376553-13	7/14/43	CG:95X501	CG:M32J355			
SEPT 43	J1PE 3029 B	SUB 0	SEPT 43		REV 0			
CG-211057	QCQ-2		CG-211064	SQ	17-M-10 (INT)	CAE 211071	FOR GEN USE*	
DYNAMO ELECTRIC AMPLIFIER UNIT: INPUT: 440/3/60, 0.5 KVA. OUTPUT: 0 TO 250 V DC. UP TO 0.2KW.			MOTOR: RATED 1/6 HP, 115/1/60, 1725 RPM, 2.5 AMPS, 212 WATTS. POWER FACTOR. 74%. TEMP. ERATURE RISE 45°C. CONTINUOUS RATED DUTY. 2 BALL BEARINGS, TOTALLY ENCLOSED.			MAGNETIC CONTROLLER FOR USE WITH 5HP MOTOR. RATED 230V DC. 19.8 AMPS. DRIPPROOF, SEMIAUTOMATIC, CLASS 150 SHOCK. OVERLOAD PROTECTION- MAGNETIC SOLENOID-RELAY SETTING 30 AMPS (RANGE 30 TO 50). AUTOMATIC RESET ON *NX99-19118		
7/1/43	CG:5AM45DB32	CRY:W-306553-17	7/14/43	5KH47AB12198	CG:M32J924	7/28/43	CAE:6942	ORDER# 0SEE PLATE #2
SEPT 43		SUB 0	AUG. 44		REV 7	NOV. 43	8920058C1003378	
CRP 211058	SO-2		CG-211065	SM-1		CAE-211071		
MOTOR-ALTERNATOR AND MOUNTING BASE: CONSISTS OF GE MOTOR TYPE BAC224-H3 RATED 115/1/60, 3425 RPM; AND LELAND ALTERNATOR AND MOUNTING BASE TYPE SC2335 RATED 115/1/400, 0.9PF, 2.0 KVA, AND 3450 RPM. PART OF TYPE -21ACE.			MOTOR-GENERATOR SET: FOR OPERATION FROM 220 V DC. RATED 25 KW CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CG-211066 DC MOTOR AND A TYPE CG-211067 AC GENERATOR.			OVERLOAD DEVICE. HAS PROVISIONS FOR MANUAL OPERATION OR AUTOMATIC CONTROL BY CENTRIFUGAL DEVICE OR MOTOR GENERATOR SET. HAS FOUR TERMINALS. SAME AS CAE-211072 EXCEPT FOR VOLTAGE INPUT.		
7/2/43	CRP:WX-5316	CRP:M-110-M4	7/15/43	CG:M-8008173PC-1	CG:8008173	05096	ALT 1	
SEPT 43		SUB A	NOV. 43		REV 0	87292	W1	
						17C17	(INT)NOV. 1940	
CRP 211058-A	SO-2		CG-211066	SM-1	17M17	CAE 211072	GEN RAD10 USE*	
MOTOR ALTERNATOR & MOUNTING BASE: SAME AS BASIC NUMBER EXCEPT EMPLOYS MURRAY ALTERNATOR INSTEAD OF LELAND.			DC MOTOR: RATED 40 HP, 220 VDC, 156 AMPS, 4 POLE. 40°C CONT. 1800 RPM. DRIPPROOF.			MAGNETIC CONTROLLER: FOR USE WITH 5HP MOTOR. RATED 115V DC, 40 AMPS. DRIPPROOF SEMIAUTOMATIC, CLASS 150 SHOCK. OVERLOAD PROTECTION-MAGNETIC SOLENOID-RELAY SETTING 70 AMPS (RANGE 70 TO 90). AUTOMATIC RESET ON OVERLOAD DE- *NX99-19118		
11/15/43	RX-1112	M-110-M4	7/15/43	CDM93	CG:M-8433946	7/28/43	*SEE PLATE #2	0SEE PLATE #2
AUG. 44		SUB B	SEPT 43		REV 0			
CRP 211059	SO-2		CG-211067	SM-1	17G8	CAE-211072		
MAGNETIC CONTROLLER: INPUT: 115/1/60. DRIP-PROOF HOUSING. RATED 4 HP.			AC GENERATOR: 6/1/42 RATED 440/3/60, 31.3 KVA, 25KW, 0.8PF, 41 AMPS, 1800 RPM, 40°C CONT. SEPARATELY EXCITED 125 V DC, 5.6 AMPS 4 POLES.			VICE. HAS PROVISIONS FOR MANUAL OPERATION OR AUTOMATIC CONTROL BY CENTRIFUGAL DE- VICE ON MOTOR-GENERATOR SET. HAS FOUR TERMINALS. SAME AS CAF-211071 EXCEPT FOR VOLTAGE INPUT.		
7/2/43	CRP:WX-5318	CRP:DY91-5104	7/15/43	ATI	CG:M-8008174	*CAE:6942	05096	ALT 1
AUG. 44			SEPT 43		REV 1	ORDER 8920058	87291	W1
						C100337A	17C17	(INT) NOV 1, 1940
CQA 211060	JP		CG-211068	SM-1	17C10	CBM 211073	SF-1	
DYNAMOTOR ASSEMBLY: INPUT: 12 VDC, 0.7 AMPS. OUTPUT: 120 V DC, 0.02 AMP. CONSISTS OF A G.E. DY82 DYNAMOTOR AND A DOUBLE POLE, "ON-OFF" SWITCH MOUNTED IN A STEEL BOX. CONTIN- UOUS DUTY 7000 RPM.			MAGNETIC CONTROLLER: RATED 40 HP, 220 V DC. ALSO INCLUDES AUTOMATIC VOLTAGE REGULATING EQUIPMENT TO START, STOP, & PROTECT A TYPE CG-211065 MOTOR-GENERATOR SET.			MAGNETIC CONTROLLER: RATED 7.5 HP, 440/3/60. GENERAL ELECTRIC TYPE CR7006-0519S; COVERED WITH DRIP- PROOF HOOD BY SUBMARINE SIGNAL.		
7/10/43		CQA:C-5575	*CG:11K-2456	ALT 2, CG:N-8283501	REV 0	8/4/43	945	CBM:SK-5727
SEPT 43		REV 0	7/15/43	11K2456	17-C-10	NOV. 43		ALT 0
			AUG. 44		*SEE ABOVE			
CEK 211061	SQ	17M10 (INT)	COE 211069	MARK 4		CLA-211074	SF-1	
BLOWER MOTOR: RATED 115/1/60, 8400 RPM, 1/100 HP.			INDUCTION MOTOR: RATED 1/30 HP, 105 TO 125 VOLTS, 1 PHASE 60 CYCLES, 1.2 AMPERES, ARRANGED FOR SPLIT PHASE STARTING AND CONTINUOUS DUTY 1725 RPM.			MOTOR-GENERATOR SET: RATED 4 HP, 440/3/60. CONSISTS OF ACCESSORIES BEDPLATE, TYPE -211075 MOTOR, TYPE -211076 GENERATOR AND TYPE -211077 EXCITER.		
7/14/43	CG:K47J289-1	CG:K47J289-1	7/24/43	COE:SP-44417	CW:KS-5857	8/4/43	CBM:937B	CBM:SK-5850
SEPT 43		REV 1	SEPT 43		01, ISSUE 1	NOV. 43		ALT 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 21—Electrical Machines

3.21-59

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CLA-211075 SF-1 MOTOR-AC: RATED 4 HP, 440/3/60, 5.7 AMPS, 0.7PF, 40°C CONT PART OF CLA-211074 MOTOR-GENE- RATOR SET	8/4/43 OGS NOV. 43	CBM:SK-5850 ALT 0	CLA 211082 SF-1 DC MOTOR: RATED 4 HP, 115V DC, 3450 RPM, 28 AMPS, 40°C CONT. SELF-EXCITED, COMPOUND WOUND	8/13/43 NOV. 43	CBM:937A CBM:SK-5869 ALT 0	CG-211090 TDQ* MAGNETIC CONTROLLER (INT) RATED 1.5HP, 115 VOLTS DC, DRIP-PROOF, SEMI-AUTOMATIC, SHOCK-PROOF(2000 FT-LBS)	9/8/43 NOV. 43	17C17 (INT)
CLA 211076 SF-1 GENERATOR-AC: RATED 1.8 KVA, 90% PF, 115/1/400, 15.7 AMPS, 3450 RPM 40°C CONT, 115 VOLTS, 3.9 AMPS, SEPARATELY EXCITED, PART OF CLA-211074 MOTOR-GENERATOR SET.	8/4/43 POGH NOV. 43	CBM:SK-5850 ALT 0	CG-211083 QBF AC MOTOR: RATED 1/150 HP, 115/1/60, 0.6 AMPS(FL), 1800 RPM, TWO BEARING, INCLUDES TYPE -481801 CAPACITOR PERMANENTLY CONNECTED IN SERIES WITH STARTING WINDING.	8/19/43 NOV. 43	SNC19A811 CM:KS-5995 CW:ESA-645290 ISSUE 2	CG-211091 TDQ* MAGNETIC CONTROLLER (INT) RATED 1.5HP, 230 VOLTS DC, DRIP-PROOF, SEMI-AUTOMATIC, SHOCK-PROOF(2000 FT-LBS)	9/8/43 NOV. 43	17C17
CLA-211077 SF-1 GENERATOR-DC: RATED 115 VOLTS DC, 3.9 AMPS, 450 WATTS, USED AS EXCITER FOR TYPE -211076 GENE- RATOR -3450 RPM, 40°C CONT, SELF-EXCITED.	8/4/43 GDP NOV. 43	CBM:SK-5850 ALT 0	CAE-211084 MCA-2 MAGNETIC CONTROLLER: RATED 4 HP, 175 TO 335 VOLTS DC, 14.6 AMP, SAME AS CAE-21393, BUT REDESIGNED TO MEET HIGHER SHOCK TEST, AND IS NOT MECHANICALLY INTERCHANGEABLE, DRIPPROOF.	8/22/43 NOV. 43	CBM:4348D CAE:86555X3 CBM:SK-5897 ALT 0	CG-211092 TDQ* MOTOR GENERATOR UNIT MOTOR RATED 1 1/2 HP, 115 VOLTS DC, GENERATOR END RATED: 115/1/60, 700VA, 1.0 PF, 3600 RPM, DRIP-PROOF.	9/8/43 NOV. 43	17C17(INT)
CG-211078 MK 1 DYNAMOTOR POWER UNIT: INPUT: 15 VOLTS AT 27 AMP FOR OUTPUT OF: 13 VOLTS AT 4 AMP, 13 VOLTS AT 6 AMP, 13 VOLTS AT 3 AMP, +260 VOLTS AT 100 MA, +210 VOLTS AT 40 MA, +110 VOLTS AT 48 MA, -15 TO -150 VOLTS AT 0 MA(VARIABLE FOR *RADIO RECEIVER 8/2/43 NOV. 43	8/4/43 GDP NOV. 43	CBM:SK-5850 ALT 0	CAE-211085 SO-2 MAGNETIC CONTROLLER: RATED 4 HP, 115/1/60, DRIP-PROOF, SIMILAR TO CGD-211059, BUT WEIGHS LESS AND IS NOT MECHANICALLY INTERCHANGEABLE.	8/31/43 NOV. 43	6962-P SR#91-5104G1 CRP:V91-5104 SUB A	CG-211093 TDQ* MOTOR GENERATOR UNIT MOTOR RATED 1 1/2 HP, 230 VOLTS DC, GENERATOR END RATED: 115/1/60, 700VA, 1.0 PF, 3600 RPM, DRIP-PROOF.	9/8/43 NOV. 43	5LY77A83 CRV:P-722271-1 SUB 1
TUNING), AND -150 VOLTS AT 30 MA, ALL VOLTAGES ARE DC, MAY BE RUN FROM EITHER OF TWO 13 VOLT SOURCES AS DETERMINED BY RELAYS	CG-211078		CG-211086 TAJ-19 MAGNETIC CONTROLLER: RATED 4HP, 115 VOLTS DC, DRIPPROOF, SHOCKPROOF (2000 FT-LBS), SEMI-AUTOMATIC.	9/3/43 NOV. 43	11K2494-0 CG:11K2494	CG-211094 SQ BLOWER MOTOR: RATED 115/1/60, 5000 RPM, 0.2 AMPS 1/100 HP.	9/11/43 AUG. 44	SM-2 CRX:K-52J492 REV 3
CHT 211079 FOR USE WITH NJ-8 MOTOR-ALTERNATOR UNIT: MOTOR RATED 24 VOLTS DC, 32 AMPS, 3/4HP, 800 WATTS ALTERNATOR RATED 115/1/60, 4.3 AMPS, 500 VA, 0.9PF, 1800 RPM SEPARATELY EXCITED AT 24V DC, 3 AMPS, DRIP-PROOF CONSTRUCTION. *NXSP-35806 8/11/43 CIP:ES-1140 CIP:ID-1055 NOV. 43	CG-211078		CG-211087 TAJ-19 MAGNETIC CONTROLLER: RATED 4HP, 230 VOLTS DC, DRIP-PROOF, SHOCKPROOF (2000 FT-LBS), SEMI-AUTOMATIC.	9/3/43 NOV. 43	11K2503-0 CG:11K2494	CQR 211095 SO-3 MOTOR-ALTERNATOR UNIT MOTOR END: 22 TO 30 VOLTS DC AT 55 TO 45 AMP, 4320 TO 6000 RPM, ALTERNATOR END: 115/1/400, 1000VA, 90% PF.	9/13/43 NOV. 43	TYPE 630-MARA CRP:RX-1129 CRP:M-5D-V88 SUB A
CET 211080 *SEE BELOW MAGNETIC CONTROLLER: RATED 3/4 HP, 24 VOLTS DC.	*FOR USE WITH NJ-8 *NXSP-35806 8/11/43 CIP:ES-1141 CIP:ID-1043 NOV. 43		CG-211088 TAJ-19 MAGNETIC CONTROLLER RATED 4HP, 220/3/60, DRIP-PROOF, SHOCK- PROOF (2000 FT-LBS), SEMI-AUTOMATIC.	9/3/43 NOV. 43	11K2496-0 +220V HEATER CG:11K2496	COE-211096 MK 12 AC MOTOR 1/40 H.P., CONTINUOUS DUTY, PERMANENT SPLIT RING CAPACITOR TYPE, RUNS AT 115/1/60, .34 AMPS, 3400 RPM, STARTING CURRENT IS 1 AMP, WT. ABOUT 8 1/4 LBS, REQUIRES CG-482009 CAPACITOR AS PHASE *CBM:1000T-19 ALT 0 9/30/43 CP35220 FEB. 45 CW:KS-5881-0 COE-890258 *	9/13/43 NOV. 43	
CLA-211081 SF-1 MOTOR-GENERATOR SET RATED 4 HP, SUPPLY 115 V DC, CONSISTS OF ACCESSORIES, BEPLATE, ONE CLA-211082 DC MOTOR, ONE CLA-211076 AC GENERATOR & ONE CLA-211077 DC GENERATOR, USED AS AN EX- CITER.	8/13/43 NOV. 43	CBM:SK-5869 ALT 0	CG-211089 TAJ-19 MAGNETIC CONTROLLER RATED 4HP, 440/3/60, DRIP-PROOF, SHOCK- PROOF (2000 FT-LBS), SEMI-AUTOMATIC.	9/3/43 NOV. 43	11K2496-0 +440V HEATER CG:11K2496	SPLITTER.	COE-211096	

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

3.21-60

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-211097 MK 12 AC MOTOR 1/40 HP. CONTINUOUS DUTY. PERMANENT SPLIT CAPACITOR TYPE. RUNS AT 115/1/60. .325 AMPS. 3400 RPM. STARTING CURRENT 1 AMP. HAS SPECIAL 5/16" SHAFT ON BEARINGS WITH 1 1/4" EXTENSION. WEIGHS ABOUT	10/1/43 NOV. 43	CG:K-8125294 CW:KS-5597-03 ISSUE 2 FIG. 1	COL-211101 DC 0.3/0.275 AMPS. 140/402.5 WATTS; DRY DISC. 115V DC. 0.3 AMPS. 34.5 WATTS.			CAE-211105 TBK-17 MAGNETIC CONTROLLER RATED 230/250 VOLTS DC. 5 HP. SIMILAR TO -21334 EXCEPT CONSTRUCTED TO WITHSTAND HIGH SHOCK. SIMILAR TO 211199 EXCEPT FOR OVERLOAD COIL.	10/14/43 NOV. 44	CGU:942-1-11M1 ALT. 3
CG-211097 8 1/4 LBS. REQUIRES CG-482009 CAPACITOR AS PHASE SPLITTER. NOTE: CLOSELY RESEMBLES COE211096; DIFFERS IN CASE DIMENSIONS.			COL-211102 TCZ DYNAMOTOR ASSEMBLY CONSISTS OF TWO DYNAMOTORS MOUNTED IN A SINGLE STEEL CABINET. INPUT: 115 VOLTS DC. 10.0 AMPS. OUTPUT: GEN #1: 14/28 VOLTS DC. 1.2/10.0 AMPS. 16.8/280.0 WATTS-GEN #2: 400/1150 VOLTS DC. 0.35/0.35 AMPS. 120/360 WATTS. EQUIPMENT	10/12/43 NOV. 43	COL:K-1084C	CAE-211106 TBK-17 MAGNETIC CONTROLLER RATED 5 HP. 220/3/60. SIMILAR TO -21335 EXCEPT CONSTRUCTED TO WITHSTAND HIGH SHOCK.	10/14/43 NOV. 43	
CCF-211098 MK 12 MOTOR BLOWER UNIT CONSISTS OF "CCF'S" 84-CU.FT./MIN.-BLOWER DIRECT CONNECTED WITH COE-211096 AC MOTOR. REQUIRES A CG-482009 CAPACITOR TO BE ORDERED SEPARATELY.	10/1/43 NOV. 43	CW:KS-5881-01 FIG. 1	COL-211102 ALSO TAKES 115 V DC. 0.3 AMPS FROM LINE.			CAE-211107 TBK-17 MAGNETIC CONTROLLER RATED 7.5 HP. 440/3/60. HIGH SHOCK SIMILAR TO -21200 EXCEPT FOR OVERLOAD HEATER.	10/14/43 NOV. 43	
CCF-211099 MK 12 MOTOR BLOWER UNIT CONSISTS OF CCF'S 84CU.FT./MIN.-BLOWER DIRECT CONNECTED WITH CG-211097 AC MOTOR. REQUIRES A CG-482009 CAPACITOR BY SEPARATE ORDER. NOTE: BLOWER IDENTICAL TO CCF-211098 BUT DIMENSIONS OF MOTOR CG-211097 AFFECTS CHANGE IN OVERALL	10/1/43 MAY 45	CW:KS-5997-01 FIG. 1	CM-211103 GEN RADAR USE SYNCHRO-AMPLIFIER INPUT: 115/1/60 VOLTS AND SYNCHRO SCT AT 1 AND 36 SPEED. OUTPUT: SYNCHRO EQUIVALENT TO 2-7G AT 1 AND 36 SPEED. CONSISTS OF TWO 5 CT SYNCHROS, A SERVO-MOTOR AND A COMMUTATOR TRANSMITTER. OPERATES IN CONJUNCTION WITH NAVY TYPE CM-50131	10/14/43 MAR. 44	74RE21Z1605 CM:CAL-19125-ALT 0	CAE-211108 QJA 17C10 MAGNETIC CONTROLLER RATED 2.5 HP. 220/3/60. 7.6 AMPS. SAME AS CAO-21986 EXCEPT FOR MODIFIED CONTACTOR AND MECHANICAL CHANGES TO PROVIDE HIGH SHOCK RESISTANCE.	10/16/43 NOV. 43	CW:KS-15015 LIST 01 CW:ESX-652679 ISSUE 3
CCF-211099 DIMENSIONS OF UNIT.			CM-211103 AMPLIFIER.			CAO-211109 QJA 17C10 MAGNETIC CONTROLLER RATED 2.5 HP. 440/3/60. 3.8 AMPS. SAME AS CAO-21987 EXCEPT FOR MODIFIED CONTACTOR AND MECHANICAL CHANGES TO PROVIDE HIGH SHOCK RESISTANCE.	10/16/43 NOV. 43	CW:KS-15015 LIST 02 CW:ESX-652679 ISSUE 3
COL-211100 TCS-12 MOTOR GENERATOR ASSEMBLY CONSISTS OF BEDPLATE. 2CAEN-211224 MOTORS RATED 115V DC. 2.0 AMPS 3/16HP. 3450 RPM. 40°C CONT. AND 2 GENERATORS. HY GENERATOR RATED 430V DC. 0.18 AMPS CAEN-211220-C. LY GENERATOR CAEN-211219-B 240/12.5 VOLTS DC. 0.1/4.C AMPS. 3450 RPM	10/3/43 AUG. 44	413C-7 255E	CM-211103-A GEN. RADAR USE SYNCHRO-AMPLIFIER: INPUT: 115/1/60 VOLTS AND SYNCHRO SCT AT 1 AND 36 SPEEDS. OUTPUT SYNCHRO EQUIVALENT TO 2-7G AT 1 AND 36 SPEED. CONSISTS OF TWO SCT. SYNCHROS. A SERVO MOTOR AND A COMMUTATOR TRANSMITTER. OPERATES IN CONJUNCTION WITH NAVY TYPE	4/6/44 JULY 44	CAL-19125 ALT 0	CAJ-211110 SA-2 MOTOR RATED 115/1/60. 85/40 RPM. 0.1/0.11 AND 8/9 WATTS FULL LOAD. 4/8 POLES. INDUCTION TYPE. OPEN FRONT END CLOSED BACK END. MANUAL START. GEAR HEAD TYPE. GEAR RATIO 20:1. ROTOR PROVIDED WITH BALL BEARINGS. GEAR HEAD PROVIDED WITH SLEEVE	10/16/43 NOV. 43	RBS-3712 CRY:M-429546-1 SUB 0
COL-211100 40°C CONT. SIMILAR TO COL-21776 EXCEPT BOTH MOTORS AND BOTH GENERATORS ARE MANUFACTURED BY FRACTIONAL MOTORS.			CM-211103-A CM-50131-A AMPLIFIER. SAME AS CM-211103 EXCEPT HAS DIEHL HIGH SPEED SERVO MOTOR INSTEAD OF WENDIX MOTOR.			CAJ-211110 BEARINGS.		
COL-211101 TCZ MOTOR GENERATOR-RECTIFIER CONSISTS OF TWO MERCURY VAPOR RECTIFIER SYSTEMS & A MOTOR GENERATOR SET MOUNTED IN A SINGLE STEEL CABINET. INPUT: 115/1/60. 7.1 AMPS. 650 WATTS. OUTPUT: GENERATOR. 14/2.8V DC. 1.2/10.0 AMPS 16.8/280.0 WATTS; TUBED. 400/1150 VOLTS	10/12/43 AUG. 44	413D-1 COL:K-1082C	CAE-211104 TBK-17 MAGNETIC CONTROLLER RATED 115 VOLTS DC. 5 HP. SIMILAR TO -21333 EXCEPT CONSTRUCTED TO WITHSTAND HIGH SHOCK.	10/14/43 NOV. 43		CW-211111 MK-12 MOTOR ASSEMBLY CONSISTS OF A WESTINGHOUSE STYLE 1171104 MOTOR TO WHICH A STATOR ADJUSTING RING WAS BEING ATTACHED. MOTOR IS RATED AT 1/20 HP. RUNS AT 3600 RPM ON 115/1/60 WITH 40 AMPS. FULL LOAD STARTING CURRENT, 3.4 AMPS. RUNNING.	10/18/43 NOV. 43	D-161660 CW:80-13943 ISSUE 1

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CRP-211112 SQ-A		MOTOR-ALTERNATOR AND SPARK GAP: MOTOR END RATED 24V DC, 8.5 AMPS 8000 RPM. GENERATOR END RATED 115/1/400, 1500VA. SPARK GAP MOUNTED ON END TO FORM INTEGRAL UNIT. RATED 8000 VOLTS PEAK, 80 AMPS PEAK AC. UNIT ALSO CONTAINS LINE FILTERS, OVERLOAD RELAY THREE STARTING	CWD-211119 MK 1, MOD. 2		DYNAMOTOR 13 VOLTS INPUT DC 306 VOLTS OUTPUT AT 225 MA.; 250 V. OUTPUT AT 60 MA. 13 AMPS LINE CURRENT.	CAJ-211126 QBE-3		MOTOR GENERATOR UNIT MOTOR RATED .75 HP, 230V DC 4.2 AMPS, 1800 RPM. GENERATOR 115/1/60, 4 AMPS, 460 VA, 0.88 PF. UNIT IS GOVERNOR CONTROLLED. SIMILAR TO TYPE -21989.
10/18/43 MX-5123A		CRP:M3039-W307	10/27/43 4156		CG:P42J56	11/20/43 CBH:288AA		60262
NOV. 43		SUB A	NOV. 43		REV 1	JULY 44		ALT 0
		CRP-211112	CAE-211120		GEN RADAR USE	CG-211127		TBS-6
		RELAYS AND A VOLTAGE REGULATOR. SIMILAR TO TYPE -21963 EXCEPT CONTROL BOX IS MODIFIED			MAGNETIC CONTROLLER; RATED 115 V DC, 5HP			MOTOR GENERATOR UNIT MOTOR RATED: 120V DC, 1 HP, 3600 RPM, 12.5 AMPS STARTING 9.6 AMPS FULL LOAD 40°C CONTINUOUS. GENERATOR RATED: 875/300 VOLTS, 0.350/0.200 AMPS, 306/60 WATTS. SINGLE UNIT WITH BALL BEARINGS - *CRV:P-719660. SUB 0
		CG-211113	MXR-33650		11/5/43 6942 SIZE #2	11/24/43 5BC66 AB1522		CG:M-5884847
		AC MOTOR	NOV. 43		NOV. 43	DEC. 44		REV 1 *
		RATED 1/8 HP. CONTINUOUS DUTY. RUNS AT 115/1/60, 3.4 AMPS, 1725 RPM. STARTS ON 14 AMPS., FULL LOAD.	CAE-211121		GEN RADAR USE	CG-211127		MOTOR AND GENERATOR BOTH SHUNT WOUND. AC TAKE OFF FROM MOTOR IS 220V, 170 WATTS. SIMILAR TO TYPE -21500.
		10/20/43 5HK43AB677A	MXR-33650		11/5/43 6942 SIZE #1			
		NOV. 43	NOV. 43		NOV. 43			
		CW:KS-5856	CAFZ-211122		SL-1	CG-211128		TBS-6
		FIG 1 ISSUE 2			INDUCTION MOTOR RATED 115/1/60 1/15 HP, 1725 R.P.M. 3 AMPS STARTING 0.8 AMPS RUNNING. OPEN TYPE PERMANENT SPLIT CAPACITOR TYPE, DOUBLE SHAFT EXTENSION, END BELL FLANGE MOUNTING. TYPE NUMBER INCLUDES STARTING CAPACITOR WHICH IS MOUNTED SEPARATELY			MOTOR GENERATOR UNIT MOTOR RATED: 220V, 3 PHASE, 60 CYCLES, 1 HP, 3450 RPM, 21 AMPS STARTING 2.8 AMPS FULL LOAD, 40°C CONTINUOUS. GENERATOR RATED: 875/300, 0.350/0.200 AMPS 306/60 WATTS. SINGLE UNIT WITH BALL BEARINGS. INDUCTION TYPE MOTOR AND SHUNT
		10/20/43 KS-5856-01	11/13/43 13 K2		CW:5886 LIST 01,02	11/24/43 5BC66 AB1521		CG:H-5884741
		NOV. 43	MAR. 44		ISSUE 2	MAR. 44		REV 0
		CW:KS-5856	CAFZ-211122		(NAVY TYPE 482061) PAPER CAPACITOR RATED 2 MFD +15, -02, 400V AC, WORKING 1200V DC TEST.	CG-211128		GENERATOR. SIMILAR TO TYPE -21501.
		FIG 1, ISSUE 2						
		COE-211115	CM-211123		SR,SA,SG-3	CG-211129		TBS-6
		SL-1			SERVO MOTOR			MOTOR GENERATOR UNIT
		17 R10			INPUT: 115/2/60. OUTPUT: 1/6 HP LOW INERTIA.			MOTOR RATED: 440V, 3 PHASE, 60 CYCLES, 1 HP, 3450 RPM, 10.5 AMPS STARTING, 1.4 AMPS FULL LOAD, 40°C CONTINUOUS. GENERATOR RATED: 875/300, 0.350/0.200 AMPS, 306/60 WATTS. SINGLE UNIT WITH BALL BEARINGS. INDUCTION TYPE MOTOR AND
		AC MOTOR						CGC:M-5884741
		RATED 1/20 HP, 115/1/60, 40°C, 3450 RPM, 0.9 AMPS FULL LOAD, 10 AMPS LOCKED MOTOR. OPEN TYPE, SPLIT PHASE INDUCTION, BALL BEARINGS. SINGLE EXTENSION SHAFT WITH KEYWAY. SIMILAR TO CBX-21962.						REV 0
		SP44217						
		CW:KS-5880						
		ISS. 1						
		10/22/43 KS-5680						
		NOV. 43						
		LIST-01						
		CZA-211116						
		MK 1 MOD. 2						
		DC MOTOR						
		RATED 1/100 HP., 13V. INPUT, 1.8 AMPS., 5000 RPM.; TEMP. RANGE -40°C TO 60°C.						
		10/27/43 SK-321						
		NOV. 43						
		CG:K-42J288						
		REV 0						
		CZA-211117						
		MK 1, MOD. 2						
		DC MOTOR						
		RATED 1/12 HP. AT 13 V. INPUT, 7.4 AMPS. SERIES WOUND, CONTINUOUS DUTY TYPE. RUNS AT 7000 RPM. AT RATED LOAD. TEMP. RANGE -40°C TO 60°C.						
		10/27/43 #T-1943-A						
		NOV. 43						
		CG:P42J270						
		REV 2						
		CDA-211118						
		MK 1, MOD. 2						
		DC MINIATURE						
		MOTOR (REVERSIBLE) DEVELOPS 1/1000 HP., APPROXIMATELY, 13V. INPUT, 0.7 AMPS RUNS AT 12000 RPM. TEMP. RANGE -40°C TO 50°C.						
		10/27/43 CAT. #FD6-7						
		NOV. 43						
		CG:K-44J767						
		REV 3						
		ASSIGNED						
		ISSUED						
		DATE						
		MANUFACTURER'S DESIGNATION						
		MANUFACTURER'S DRAWING NUMBER						
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		CG-211130 GENERATOR BOTH SHUNT WOUND. AC TAKE OFF FROM MOTOR IS 220V. 1.70 WATTS. SIMILAR TO TYPE -21745.	CG-211138 TOB-2 MAGNETIC CONTROLLER: TWO STEP, DEFINITE-MECHANICAL-TIME STARTER RATED 1.5 HP. 115V DC. HAS THERMAL OVERLOAD CUT-OUT (#810254) FOR MOTOR CURRENT 11.1 TO 11.8 AMPS.			CANJ-211148 NXSR-44565-LL D.C. MOTOR: RATED 115V DC. 1.5 HP. 1800 RPM.		
		CG-211131 EJ-5(T8X-6) DYNAMOTOR INPUT 12 VOLTS AT 7.0 AMPS; OUTPUT: 500 VOLTS AT 0.065 AMPS. SIMILAR TO -21399 EXCEPT UNIT IS MUCH SMALLER; SLIGHTLY DIFFERENT ELECTRICAL CHARACTERISTICS. FOR OPERATION FROM 11.5 VOLTS AT 7.5 AMPS. 11/26/43 ML-7663067 CG:T-7663088 DEC. 43 REV 1	211139 GEN RADIO USE RE 8911B MOTOR GENERATOR 250 V DC 115/1/60 .5 KVA (LST) 12/8/43 FEB. 44			CANJ-211149 NXSR-44565-LL AC GENERATOR: RATED 115/1/60.		
		CG-211132 TCG-2 MOTOR DYNAMO AMPLIFIER UNIT MOTOR END RATED 1/16 HP. 230/3/50. 0.8 AMPS. 1425 RPM. AMPLIDYNE END RATED 125 VOLTS DC. 0.48 AMPS. UNIT RATED AS DRIP-PROOF. CONTINUOUS TEMPERATURE RISE 40°C. SIMILAR TO NAVY TYPE -21621. 11/30/43 5K43 AC 2652 CG:W-5051415-1 FEB. 45 5AM 45 D827 ALT 0	CAY-211140 NXSR-44537 GEN. RADIO USE MAGNETIC CONTROLLER: RATED 3/4 HP 250V DC 3.7 AMPS. AUTOMATIC OVERLOAD RESET. DRIPPROOF. 50°C AMBIENT. HI SHOCK. TYPE A INSULATION. THERMAL OVERLOAD AND LOW VOLTAGE PROTECTION. 4/15/44 6311S-1a 38-J-877 FEB. 45 ALT 0			CJM 211151 NXSR-44561-LL MOTOR GENERATOR SET INPUT 250 V DC OUTPUT 115/1/60 1 KVA 85% PF. CONSISTS OF BEDPLATE, ACCESSORIES ONE CJM-211152 MOTOR AND ONE CJM-211243 GENERATOR. 4 BEARINGS (LST) 12/8/43 S-5319 AUG. 44 4/30/44		
		CG-211133 GEN. RADIO USE RE 8911B MOTOR-GENERATOR UNIT: INPUT: 115 VOLTS DC. 0.5 HP. 4.6 AMPS 1800 RPM. OUTPUT 250 VA. 85% PF. 115/1/60. TWO BEARING SEPARATELY EXCITED. 60°C CONT. DRIPPROOF. (LST) 12/8/43 CC:N-34431 AUG. 44	CHT-211141 NXSR-44537 RE8911B GEN. RADIO USE MOTOR GENERATOR UNIT: INPUT 105-130(115)V DC. 7.5 AMPS. 1800 RPM. SHUNT WOUND MOTOR 3/4 HP. OUTPUT: 115/1/60 4.35 AMPS. 0.5 KVA. 0.85 PF. 50°C CONT. DRIPPROOF. SEP. EXCITED 115V DC. 0.6 AMP. HAS SPEED REGULATOR. CLASS 4/15/44 HN-05111 JULY 44			CJM-211152 NXSR-44561-LL D.C. MOTOR RATED 3/4 HP. 250 VOLT DC 1800 RPM 3/18/44 S-5319 AUG. 44 4/3/44		
		211134 GEN RADIO USE RE 8911B MOTOR-GENERATOR UNIT INPUT 115/1/60. 8.0 AMPS. 0.5 HP. OUTPUT: 115 VOLTS DC. 2.18 AMPS. 0.25 KW. 1725 RPM. SELF-EXCITED. 60°C CONT. (LST) 12/8/43 MAR. 45	CHT-211141 B INSULATION. RADIO NOISE FILTER. HI SHOCK. SAME AS -211139 EXCEPT FOR INPUT. (CHTOWG22-2483.REV G)			CJM 211153 A.C. GENERATOR RATED 115/1/60 1800 RPM, 1 KVA. SEP EXCITED 115V DC. SAME AS -211243 EXCEPT FOR EXCITATION. 3/18/44 AUG. 44		
		CG-211135 GEN RADIO USE RE 8911B MOTOR-GENERATOR UNIT: INPUT 115V DC. 8.8 AMPS. 1 HP OUTPUT 115/1/60 4.35 AMPS 0.5 KVA. 0.85 PF. 1800 RPM. SEPARATELY EXCITED 60°C CONTINUOUS DRIP-PROOF. (LST) 12/8/43 MOTOR D-224 N-34420 AUG. 44 GER-05-224	CAY-211142 NXSR-44537 MAGNETIC CONTROLLER: RATED 5/4 HP. 115V DC. 7.5 AMPS. AUTOMATIC OVERLOAD RESET. DRIPPROOF. 50°C AMBIENT. HI SHOCK. TYPE A INSULATION. THERMAL OVERLOAD AND LOW VOLTAGE PROTECTION. 4/15/44 6311S-1a 38-J-877 JULY 44 ALT 0			CAY-211155 QSA CBM:SK-5963 MAGNETIC CONTROLLER ALT 1 (FOR HOIST MOTOR): RATED 5/4 HP. SUPPLY: 440 V.3Φ. 60°.		
		CG-211137 TDB-2 MOTOR GENERATOR UNIT: MOTOR RATING: 110V. 11 AMPS DC. 1 1/4 HP 2500 RPM. SHUNT WOUND. CONTINUOUS DUTY. COLLECTOR RING TAKE-OFF 75V. 1.33 AMPS. SINGLE PHASE. 83 CPS. OUTPUT: MV GENERATOR: 1200V. 0.45 AMPS DC (COMPOUND WOUND GENERATOR); ALTERNATOR: 110V. 1.59 AMPS. 6/9/44 CG:5BY94A81 K-248 AUG. 44 C44:E1-8010 SUB 1	211143 GEN RADIO USE RE 8911B MOTOR GENERATOR UNIT INPUT: 115/1/60. 17 AMPS. 1 HP. OUTPUT: 115 VOLTS DC. 4.35 AMPS. 0.5 Kw. 1725 RPM. SELF-EXCITED. 60°C CONT. (LST) 12/8/43 MAR. 45			CG-211156 QSA 17M10(INT) AC MOTOR (HOIST): 6RE21J1604 RATED 3/4 HP. 440 VOLTS. 3Φ. 60°. 1725 RPM(FULL LOAD), 8.6 AMPS (LOCKED ROTOR). 4 POLE. SQUIRREL CAGE INDUCTION TYPE. INTERMITTENT HALF HOUR DUTY. 0.73P.F. 12/15/43 5K65AC221 CG:W-8118523 FEB. 44 REV 0		
		CG-211137 SINGLE PHASE. 500 CPS. (INDUCTOR WOUND ALTERNATOR).	211147 GEN RADIO USE RE 8911B MOTOR GENERATOR SET INPUT 115 V DC OUTPUT 115/1/60. 1 KVA 85% PF. (LST) 12/8/43 FEB. 44			CAE-211157 QGC & QGD 17C10(INT) MAGNETIC CONTROLLER RATED 2.5 HP. 440 VOLTS. 3Φ. 60CYCLES. 5 AMPS. 12/17/43 C 221774-A (CAE DWG FEB. 44 CBM: 565L 5566ALT 0)		

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CG-211158	SL-a, SL-1	CW:KS-5995-02 ISSUE 4	CG-211165	CXDT, SP.SP-MI	XA8845A	CG-211170	CLA-211170	
A.C. MOTOR: RATED 1/150 HP, 115/1/60, .65 AMP (FL) 1800RPM. INCLUDES TYPE-481801 CAPACITOR PERMANENTLY CONNECTED IN SERIES WITH STAR- ARTING WINDING SIMILAR TO CG-211083 EX- CEPT HAS END BELL MOUNTING FLANGE AND DOUBLE END SHAFT. 12/20/43 5NC19AB12 CW:KS-5995-02, FEB. 44			INDUCTION MOTOR 1/6 HP 115/1/60 2.1 AMPS (F.L.) 1725 RPM. TYPE NO. INCLUDES G.E. TYPE 696116 START- ING CAPACITOR TRANSFORMER.	1/4/44 5KC45AB1529 CG:M-8118504 FEB. 44		50°C OVER 40°C AMBIENT, CONTINUOUS. 4 H.P.		
CG-211150-A	SL-a, SL-1		CBP-211166	WEB		CLA-211171	SU-1	
A.C. MOTOR RATED 1/150 HP, 115/1/60, .65 AMP (FL). INCLUDES TYPE-481801 CAPACITOR PERMANENTLY CONNECTED IN SERIES WITH STARTING WINDING, SAME AS CG-211158 EXCEPT HAS MALLEABLE IRON END SHIELDS INSTEAD OF CAST IRON. 12/20/43 5NC19AB12A CW:KS-5995-03 FEB. 44			MOTOR-GENERATOR UNIT MOTOR: 90-165 VOLTS 1800 RPM. 48 TO 21 AMPS. GENERATOR: 115/1/60 SELF EXCITED, 28 AMPS 0.92 PF. 2.5 KVA SELF EXCITED. 40°C CONTINUOUS. TWO BEARING UNIT WITH CENTRIFUGAL SHAFT GOVERNOR.	1/4/44 CBM:562CX CBM:SK6048 MAR. 44		A.C. GENERATOR RATED 2 1/2 KVA, 115/1/60, 90% PF. 1800 RPM; SELF EXCITED, SPLIT FIELD GENERATOR. INCLUDES A VARIABLE RESISTOR FOR VARYING OUTPUT VOLTAGE ±10%. DRIPPROOF, TEMP. RISE 50°C OVER 40°C AMBIENT CONTINUOUS *CBM:SK-6059, ALT 0, MGD-1 ALT 1 17C8 1/6/44 34100 *SEE ABOVE AUG. 44		
CAY-211159	TDE-2		CBP-211167	SU	17 C 17 (INT)	CLA-211171		
MOTOR GENERATOR SET SUPPLY: 115 VOLTS D.C. CONSISTS OF CAY- 21051 DC MOTOR AND CAY-21854 HV DC GENERATOR. 12/22/43 FEB. 44			MAGNETIC CONTROLLER 4 HP, 115 VOLTS DC, 35 AMPS CONT., 70 AMPS MOMENTARY. SEMI-AUTOMATIC. HAS UNDERVOLTAGE PROTECTION AND THERMAL TRIP FOR OVERLOAD PROTECTION. DRIPPROOF, HIGH- SHOCK (2000 FT-#), CONTINUOUS OPERATION FOR 50°C AMBIENT AND 60°C MAX. TEMP RISE 1/6/44 CBM:979(1) CBM:SK-6058 ALT 0 MAR. 44 CAY:57-J-979(1) C00-4 ALT 0			WINDINGS ONE SELF-EXCITED AND ONE SEPARATELY EXCITED AT 145 VOLTS DC.		
CAY-211160	TDE-2				CAY-211167			
MOTOR GENERATOR SET: SUPPLY: 250 VOLTS DC. CONSISTS OF CAY- 21852 DC MOTOR AND CAY-21854 HV DC GEN- ERATOR. 12/22/43 FEB. 44			FOR SHUNT COILS, CLASS A INSULATION.			CG-211172	SM-1	
						D.C. MOTOR 1/6 HP, 250 VOLTS DC 0.74 AMPS (FL) 1725 RPM 50°C CONTINUOUS 45°C RISE. SHUNT WOUND. SPLASH PROOF ENCLOSURE. 2 POLES, ONE INTERPOLE. 1/8/44 5BC45DB20 W-8118514 FEB. 44		
CAY-211161	TBE-2		CAJ-211168	SU	ØSEE BELOW	CG-211173	SM-1	
MOTOR GENERATOR SET: SUPPLY: 220 OR 440 VOLTS, 3Ø, 60 CYCLES CONSISTS OF CAY-21853 AC MOTOR AND CAY- 21854 HV DC GENERATOR. 12/22/43 FEB. 44			ANTENNA MOTOR GENERATOR INPUT: 115/1/60, 8 AMPS FULL LOAD, 900 VA AT 70% PF. STARTING CURRENT (MOMENT- ARY) 30 AMPS. OUTPUT: 115/3/240 CYCLES, 80 VA, 80% PF. AND 24V DC, 160 WATTS Ø17 M 10 (INT) 17 G 7 (INT) 17 G 8 (INT) *CBM:SPEC MGA-1 ALT 2, SK-6057 ALT 0 1/6/44 CBM:288Z *SEE ABOVE FEB. 44			D.C. MOTOR 1/4 HP, 250 VOLTS DC 1.0 AMP (FL) 3450 RPM 50°C CONTINUOUS 45°C RISE. SHUNT WOUND. SEMI-ENCLOSED. 2 POLES, ONE INTERPOLE. 1/8/44 5BC45DB19 W-8118513 FEB. 44		
CG-211162	VG.VG-1	17H10			CAJ-211168			
AC MOTOR RATED 115/1/60 3.5 AMPS 3450 RPM 1/4 HP. OPEN FRAME BALL BEARING RESILIENT MOUNT- ING. FOUR EXTERNAL LEADS TO BE BROUGHT OUT 24" LONG TO PERMIT CHANGING DIRECTIO: OF ROTATION EXTERNALLY. 12/22/43 KH49 CG:M-48J765 FEB. 44			(40 FOR EXCITATION), 120 WATTS OUTPUT TO EXTERNAL CIRCUITS. THREE UNIT, 2 BEARING. USING AN AC CAPACITOR SQUIRREL CAGE MOTOR, AC INDUCTOR GENERATOR AND A DC GENERATOR ALLOW ONE SHAFT, 3500 RPM SPEED. FOR 40°C TEMP RISE OVER 50°C AMBIENT CONTINUOUS, DRIPPROOF.			CG-211174	SM-1	
						D.C. MOTOR 1/30 HP 115/1/60 0.90 AMP (F.L.) 5000 RPM. INTERMITTENT DUTY SPLIT SERIES OPEN TYPE. 1/8/44 5PS36DA5 W-811505 FEB. 44		
CAY-211163	WEB	17C 17	CLA-211169	SU		CLA-211175	MARK 22	
MAGNETIC CONTROLLER RATED 4 HP (3.1 TO 5), 115 VOLTS DC (90- 765), DRIPPROOF, SAME AS -211164 EXCEPT EXCEPT FOR DIFFERENT OVERLOAD HEATER. 1/1/44 CBM:979 CAY:38-J-431 FEB. 44			MOTOR GENERATOR SET CONSISTS OF ACCESSORIES, ØEOPLETE, ONE NAVY TYPE CLA-211170 DC MOTOR, AND ONE NAVY TYPE CLA-211171 AC GENERATOR. 1/6/44 CBM:937C CBM:SK-6059 ALT 0 FEB. 44			MOTOR GENERATOR SET SUPPLY 440/3/60. CONSISTS OF A CLA-211176 AC MOTOR AND CLA-211177 AC GENERATOR. 1/11/44 FEB. 44		
CAY-211164	WEB	17C 17			CLA-211170	SU-1	17 M 17 (INT)	
MAGNETIC CONTROLLER RATED 4 HP (3.1 TO 5), 115 VOLTS DC (90- 165), DRIPPROOF, SAME AS -211163 EXCEPT FOR DIFFERENT OVERLOAD HEATER. 1/1/44 CBM:979A CAY:38-J-431 FEB. 44			D.C. MOTOR RATED 115V DC, MAX STARTING CURRENT 70 AMPS, RATED FULL LOAD 35 AMPS, 1800 ± 2 1/2% RPM (CENTRIFUGAL SHAFT GOVERNOR). WILL OPERATE FROM 115V ±20%. SHUNT WOUND WITH 2 INTERPOLES. DRIPPROOF, TEMP RISE			CLA-211176	MARK 22	
						A.C. MOTOR RATED 440/3/60 TWO POLE SQUIRREL CAGE INDUCTION MOTOR. DRIPPROOF. 1/11/44 FEB. 44		
						CLA:E.D.SK7635 CW:KS-15016-01 ISSUE 1		
						CLA:E.D.SK7635 CW:KS-15016-01 ISSUE 1		

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CLA 211177 MARK 22 A.C. GENERATOR RATED 115/1/400 1.0 KVA 0.9 PF (LAGGING) 14 POLE, SEPARATELY EXCITED 125 V DC.			CAY-211185 SR VOLTAGE REGULATOR RATED 12.5 KVA. 50° AMBIENT. CONTROLS VOLTAGE OF THE AC GENERATOR NAVY TYPE -211328 BY MEANS OF VARIABLE REGULATING RESISTANCE WHICH IS BUILT INTO THE REG- ULATOR AND IS CONNECTED IN SERIES WITH THE SHUNT FIELD OF THE EXCITER NAVY			CAY 211190 SR DC GENERATOR RATED 125V DC AT 8 AMPS PART OF -211182 AND -211188 MOTOR GENERATOR SETS.		
1/11/44 FEB. 44		CLA:E.D.SK7635 CW:KS-15016-01 ISSUE 1	1/13/44 SRAN-2 FEB. 45		45-J-52 CHANGE 0	1/13/44 FEB. 45		37-J-646 CHANGE 3
CAE 211178 MARK 22 17C 10 MAGNETIC CONTROLLER RATED 440/3/60, 3.7 AMPS, 3 HP DRIPPROOF. AUTOMATIC WITH MANUAL RESET. TWO LEGS OF THE SUPPLY HAVE SINGLE ELEMENT OVERLOAD RELAYS. RELAY RATED 6.3 AMP (ADJUSTABLE 90-110% OF RATING). 0° TO 50° AMBIENT HI SHOCK.			CAY-211185-A SR 17R2 VOLTAGE REGULATOR RATED 12.5 KVA. 50° AMBIENT. CONTROLS VOLTAGE OF THE AC GENERATOR NAVY TYPE 211328 BY MEANS OF VARIABLE REGULATING RESISTANCE WHICH IS BUILT INTO THE REG- ULATOR AND IS CONNECTED IN SERIES WITH THE SHUNT FIELD OF THE EXCITER NAVY			CAY 211191 SR PUSH BUTTON STATION 230 VOLTS DC. FOR USE WITH TYPE -211189 DC MOTOR.		
1/11/44 FEB. 44		CW:KS-15007 LIST 02 ISSUE 1	1/8/45 CAY:SRAN-2 FEB. 45		CAY:46-J-316 ALT 0	1/13/44 MAR. 45		CANCELLED
CG-211179 SR ANTENNA DRIVE MOTOR ARAHMURE 250V DC SHUNT WOUND MOTOR WITH HIGH STARTING TORQUE. LOW INERTIA ROTOR. OUTPUT NOT LESS THAN 1/2 HP. A PART OF TYPE -21 ACP ANTENNA PEDESTAL. 1.9 AMPS FIELD 300V DC .030 AMPS.			CAY-211185-A TYPE -211329. SIMILAR TO 21185 EXCEPT SHIELDED TO REDUCE RADIATED RF INFLUENCE AND A MECHANICAL CHANGE IN VOLTAGE AD- JUSTING RHEOSTAT.			CAY-211192 SR SERVO-GENERATOR SET CONSISTS OF TYPE -211193 MOTOR AND TYPE -211194 GENERATOR.		
1/12/44 MAR. 45		T-7611790 SUB 2	1/8/45 CAY:SRAN-2 FEB. 45		CAY:46-J-316 ALT 0	1/13/44 FEB. 44		
CKO 211180 EAM AC GENERATOR 110/220/1/60, 5 KVA, 80% PF, 1800 RPM, SELF EXCITED, 40° CONTINUOUS.			CAY 211192-A SR & SR-1 17-M-10 SERVO GENERATOR SET 17-G-7 CONSISTS OF TYPE -211193-A A.C. MOTOR AND TYPE -211194-A D.C. GENERATOR AND EXCITER.			8/10/44 FJ-FK-FK OCT. 44 S#1180250		CAY:7-A-5906 CAY:7-A-5907
1/13/44 FEB. 44			CAY 211193 SR 17-N-10 MOTOR A PART OF TYPE -211192 SERVO GENERATOR SET. RATED 115AC/1/60 10 AMPS, 3450 RPM, 40° AMBIENT. INDUCTION WOUND 1Ø 2 POLES SHOCK PROOF 5% SPEED REGULATION. ROLLED STEEL FRAME. STARTING CAPACITOR IS COM- MERCIAL A-C ELECTROLYTIC TYPE & IS			1/13/44 FEB. 45		
CAY 211181 SR 17C 17 MAGNETIC CONTROLLER RATED 20 HP, 115 V DC, 150 AMPS, 50° C AMBIENT.			CAY 211187 SR 17C 17 MAGNETIC CONTROLLER RATED 20 HP, 230 VOLTS DC, 75 AMPS, 50° C CONT.			1/13/44 FEB. 45		CAY-211193 MOUNTED ON MOTOR FRAME.
1/13/44 DEC. 44		CAT:38-J-435 SUB 3	1/13/44 7416610-G1 MAR. 45		P-7714609 SUB 0			
CAY 211182 SR MOTOR GENERATOR SET INPUT: 115 V DC. OUTPUT 115/1/60. CON- SISTS OF TYPE -211183 DC MOTOR AND TYPE -211184 AC GENERATOR. AND A 211190 DC GENERATOR.			CAY 211188 SR MOTOR GENERATOR SET INPUT: 230V DC. OUTPUT: 115/1/60. CON- SISTS OF A TYPE -211189 DC MOTOR AND A -211184 AC GENERATOR. AND A 211190 DC GENERATOR.			CAY-211193-A SR & SR-1 17-N-10 AC MOTOR RATED 115 AC/1/60, 10 AMPS, 3450 RPM 40° C AMBIENT AMP. INDUCTION WOUND, 2 POLES. SHOCK PROOF. 5% SPEED REGULATION. ROLLED STEEL FRAME 2 BALL BEARINGS. STARTING CAPACITOR IS COMMERCIAL A-C ELECTROLYTIC TYPE AND IS MOUNTED ON MOTOR FRAME. S1- 8/10/44 FJ OCT. 44 #1180252		
1/13/44 FEB. 45		37-J-613 CHANGE 2	1/13/44 R-1380 DEC. 44		CAY:38-J-435 SUB 2			
CAY 211183 SR DC MOTOR 115 V DC. A PART OF TYPE -211182. 156 AMPS 1800 RPM 50° C CONT.			CAY 211189 SR DC MOTOR 230 V DC. A PART OF TYPE -211188. 76 AMPS 1800 RPM 50° C CONT.			MILAR TO -211193 EXCEPT HAS BALL BEAR- INGS. A PART OF CAY-211192-A SERVO GEN- ERATOR SET.		
1/13/44 FEB. 45		CAY:37-J-616 CHANGE 3	1/13/44 FEB. 45		45-J-657 CHANGE 0			
CAY 211184 SR AC GENERATOR 115/1/60. A PART OF TYPES -211182 AND -211188. 108.5 AMPS .80 PF. 1800 RPM SEP. EXCITED 125V DC 50° C CONT.								
1/13/44 FEB. 45		37-J-645 CHANGE 3	1/13/44 FEB. 45		CAY:37-J-634 CHANGE 4			

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAY-211194 SR			CAE211199			CGQ211203		
DC GENERATOR & EXCITER RATED 220V DC, 1.82 AMPS, 0.4 KW, 3450 RPM, SELF EXCITED SHUNT WOUND, 4 POLES, 4 INTERPOLES, 40°C CONTINUOUS, A PART OF CAY-211192 AND CAY-211255 SERVO GENERATOR SETS, SHOCKPROOF 4 BRUSHES, 2 COMMUTATORS.	7-A-5905 1/13/44 LX-7394 AUG. 44	7-A-5751 SUB 5	SHOCK, SIMILAR TO -211105 EXCEPT FOR OVERLOAD COIL.			STEEL FOR ALUMINUM.		
CAY-211194-A SR & SR-1	17-G-7		CAE211200 YE-3	17 C 10		CHT211204 GEN SONAR USE	17G9 (INT)	
DC GENERATOR AND EXCITER RATED 220V DC, 1.82 AMPS, .4 KW, 3450 RPM, 40°C AMBIENT TEMP, SHUNT WOUND, 4 POLES, 4 INTERPOLES, SHOCKPROOF, 4 BRUSHES; 2 COMMUTATORS, ROLLED STEEL FRAME, 2 BALL BEARINGS, SIMILAR TO -211194 EXCEPT IT HAS BALL BEARINGS, A PART OF	8/10/44 FK OCT. 44	CAY:7-A-5905 S91180251	MAGNETIC CONTROLLER RATED 440/3/60, 3 HP, USES A 9104MH2810A OVERLOAD HEATER, RATED 4.62 AMPS (LOAD RANGE 3.85 TO 4.24), SIZE 1, DRIPPROOF, SEMI-AUTOMATIC, FOR CONTINUOUS DUTY, INCLUDES LOW VOLTAGE AND OVERLOAD PROTECTION, SIMILAR TO -21771 EXCEPT HIGH	1/15/44 FEB. 44	C272095A 962-1-12N3 CERT. DATA 962-28	17G9 (INT) MOTOR GENERATOR UNIT INPUT: 105 TO 130 (115) VOLTS DC, 14 AMPS, 1800 RPM, SHUNT WOUND MOTOR RATED AT 1.75 HP, OUTPUT: 115/1/60, 8.7 AMPS, 1-0 KVA, 0.90 PF, MAX TEMP RISE 50°C CONT, DRIP PROOF, HAS SPEED REGULATOR, FREQUENCY VARIATION ±1 CYCLE, SEPARATELY	1/27/44 FEB. 44	HN-1111-A CHT:21-1298
CAY-211192-A			CAE211200			CHT211204		
KVA RATING IS .4.			SHOCK, SIMILAR TO -211107 EXCEPT FOR OVERLOAD HEATER.			EXCITED FROM 115V DC, 0.95 AMPS, SIMILAR TO 21821 EXCEPT EXCITER IS ELIMINATED AND HAS CLASS B INSTEAD OF CLASS A INSULATION.		
CG-211195	QCJ-2, QCL		CAKQ 211201	QCQ-2, QCU	RE-9313	CAE211205	GEN SONAR USE	17 C 17 (INT)
DC TRAIN MOTOR 250V, 5.2 AMPS DC, 1 1/4 HP, SPEED 1150 RPM, 40°C CONT (TEMP RISE) SHUNT WOUND, 2 MAIN POLES, 1 COMMUTATING POLE, CONSTANT SPEED, DRIPPROOF, SEMI-ENCLOSED SELF EXCITED.	1/15/44 FEB. 44	CG:5B224A345 MM-6626951 REV 0	STEP-BY-STEP TO SYNCHRO INVERTER: CONSISTS OF A 6G SYNCHRO MECHANICALLY CONNECTED TO A 70 VOLT STEP-BY-STEP MOTOR THROUGH GEAR DRIVE, HAS AN ILLUMINATED 0 TO 360° DIAL, ALSO PROVIDES ADAPTOR PLATE TO ACCOMMODATE 6G SYNCHRO.	1/18/44 AUG. 44	NI-16752 CRV:W-306832 SUB I	RATED 1.75 HP, 105 TO 130 (115) VOLTS DC SEMI-AUTOMATIC, DRIPPROOF, BUILT TO TAKE 2000 LBS, HIGH IMPACT SHOCK, 50°C AMBIENT, TYPE A INSULATION, INCLUDES ONE LOCAL TYPE -24265 PUSH BUTTON STATION.	1/27/44 FEB. 44	CAE:6942, 6942 ED190
CG-211196	QCJ-2, QCL		CCW 211202	EF-4		CLL 211206	NXSR-44540	
AC HOIST MOTOR 440/3/60, 2 1/2 HP, SQUIRREL CAGE MOTOR, SYNCH, SPEED 1800 RPM (FULL LOAD SPEED 1640 RPM)-HIGH SLIP, HIGH TORQUE, DRIP-PROOF, NORMAL STARTING CURRENT CLASS, DUTY CLASSIFICATION 30 MIN INTERMITTENT.	1/15/44 MAR. 44	CG:5KR224A698 MM-6626952 REV 0	DC GENERATOR OUTPUT: 12.6V DC AT 0.88 AMPS AND 500V DC AT 0.065 AMPS, HAND DRIVE 60 RPM, POWER DRIVE 2100 RPM, ELECTRICALLY IDENTICAL TO -21263-A BUT IS MECHANICALLY DIFFERENT, WEIGHS MORE AND HAS DIFFERENT INTERNAL CONSTRUCTION.	1/19/44 DEC. 44	4515 DS-337	CONSIST OF ACCESSORIES, BEDPLATE SUPPORTED BY 6 SHOCK MOUNTS, TYPE CLL-211207 AC MOTOR, AND TYPE CLL-21996 AC GENERATOR, SIMILAR TO TYPE CLL-21995.	1/31/44 FEB. 44	CBM:9020 CBM:SK-6130 ALT 0
CG-211197	QCJ-8, QCL-7		CCW-211202-A	EF-8		CLL 211207	NXSR-44540	
DC TRAIN MOTOR 230 VOLTS DC, 5.2 AMPS, 1 1/4 HP, 1150 RPM, 2 POLE, SHUNT WOUND, SEPARATELY EXCITED AT 60 VOLTS, HAS ONE COMMUTATING POLE, 40°C CONT TEMP RISE, DRIPPROOF, SEMI-ENCLOSED.	1/15/44 FEB. 44	CG:5B224A1927 MM-6639708 REV 2	DC GENERATOR OUTPUT: 12.6V DC AT 2.0 AMPS AND 500V DC AT 0.085 AMPS HAND DRIVE SPEED IS 50 TO 70 RPM, POWER DRIVE SPEED IS 2100 RPM, SAME AS -211202 EXCEPT IMPROVED FILTER IS USED.	10/12/44 DEC. 44		AC MOTOR RATED 4 HP, 440/3/60, 5 AMPS, 3450 RPM, 40°C CONTINUOUS.		
CG-211198	QCJ-8, QCL-7		CCW-211202-B	EF-8		CG-211208	SK	XA-8845
AC HOIST MOTOR 440/3/60, 2 1/2HP, SQUIRREL CAGE MOTOR, SYNCH, SPEED 1800 RPM (FULL LOAD SPEED 1640 RPM)-HIGH SLIP, HIGH TORQUE, DRIP-PROOF, NORMAL STARTING CURRENT CLASS, DUTY CLASSIFICATION 30 MIN, INTERMITTENT	1/15/44 FEB. 44	CG:5KR224A541 MM-6639551	DC GENERATOR OUTPUT: 12.6V DC AT 2.0 AMPS AND 500V DC AT 0.085 AMPS, HAND DRIVE SPEED IS 50 TO 70 RPM, POWER DRIVE SPEED IS 2100 RPM, SAME AS -211202-A EXCEPT FOR SEALED FILTER.	4/25/45 JUN. 45		MOTOR-DYNAMO AMPLIFIER UNIT MOTOR END: 1 1/2 HP 115 V DC, 13 AMPS, 1725 RPM, GENERATOR END: 0 TO ±250V DC, 3 AMPS, 750 WATTS, UNIT RATED 40°C CONTINUOUS, DRIP-PROOF, SAME AS TYPE -21903 EXCEPT FOR SPEED.	1/31/44 FEB. 44	DA 5AM78AB561 REV I
CAE 211199	YE-3	17-C-17	CGQ-211203	EN-2		CG-211209	SK	XA-8845
MAGNETIC CONTROLLER RATED 230 V DC, 3 HP, USES OVERLOAD COIL 9-1015-5, SIZE 1, DRIPPROOF, AUTOMATIC, SEMI-AUTOMATIC, FOR CONTINUOUS DUTY, INCLUDES LOW VOLTAGE PROTECTION AND OVERLOAD COIL RATED 15.3 AMPS (LOAD RANGE 11 TO 15.5) SIMILAR TO -21741 EXCEPT HIGH	1/15/44 FEB. 44	6942ED107 942-1-11M1 ALT 2	DYNAMOMOTOR-FILTER UNIT INPUT: 12 V DC AT 2.2 AMPS, OUTPUT: 3 V DC AT 0.4 AMPS & 150V DC AT 0.04 AMPS, 4000 RPM, HAS PIONEER DYNAMOTOR, ELECTRICALLY IDENTICAL BUT SLIGHTLY DIFFERENT MECHANICALLY FROM -21600, WEIGHS MORE BECAUSE OF SUBSTITUTION OF	1/19/44 FEB. 44		MOTOR MOTOR END: 1 1/2 HP, 250 V DC, 6.5 AMPS, 1725 RPM, GENERATOR END: 0 TO ±250 V DC, 3 AMPS, 750 WATTS, UNITS RATED 40°C CONTINUOUS, DRIP-PROOF, SAME AS TYPE -21904 EXCEPT FOR SPEED.	1/31/44 FEB. 44	DA 5AM78AB57A REV I

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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	
CG-211210 SP MAGNETIC CONTROLLER RATED 25 HP, 115 V DC, CLASS A, 50°C AMBIENT, DRIP PROOF, MAGNETIC CONTACTOR, CONTINUOUS SEMI-AUTOMATIC OPERATION, PUSH-BUTTON CONTROL, SHORT CIRCUIT AND UNDERVOLTAGE PROTECTION.	2/3/44 DEC. 44	K-7895260 11K2645-0	CAE 211216 NXSP-44561 MAGNETIC CONTROLLER 230V DC, 1.6 TO 2.0 (1.75 HP)	2/24/44 AR. 44	6942ED 185 6942 SIZE 1	942-1-23M4	CQR 211220-A TCS SERIES D.C. GENERATOR H.V. RATED 430 VOLTS, 0.200 AMPS, 3450 RPM, SELF EXCITED, 2 POLE, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP. RISE 40°C, COMPOUND WOUND, SAME AS CEK-211220 EXCEPT IS MADE BY RUSSELL.	2/25/44 AUG. 44	13450 COL:2314702 REV 2
CG-211211 SP MAGNETIC CONTROLLER RATED 25 HP, 230V DC, CLASS A, 50°C AMBIENT, DRIP PROOF, MAGNETIC CONTACTOR, CONTINUOUS, SEMI-AUTOMATIC OPERATION, PUSH-BUTTON CONTROL, SHORT CIRCUIT AND UNDERVOLTAGE PROTECTION.	2/3/44 DEC. 44	K-7895261	CAE 211217 NXSP-44565 17C17 MAGNETIC CONTROLLER 230V DC, 3.1 TO 4.0 HP, LOW VOLTAGE PROTECTION, OVERLOAD EMERGENCY RUN, DRIP PROOF, CLASS "A" INSULATION, AMBIENT TEMP. 40°C OR 50°C, CONTINUOUS DUTY; SEMI-AUTOMATIC MAGNETIC OPERATION, RE-*	2/24/44 DEC. 44	6942ED 185 SIZE 1	CAE:942-1-23M4 *SEE ABOVE	CQR 211220-B TCS SERIES D.C. GENERATOR H.V. RATED 425 VOLTS, 0.200 AMPS, 3450 RPM, SELF EXCITED, 2 POLES, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP. RISE 40°C, COMPOUND WOUND, SAME AS CQR-211220-A EXCEPT HAS SEPARATE ARMATURE WINDING AND COMMUTATOR FOR PICKUP FOR FIELD EXCITATION.	2/25/44 AUG. 44	COL:2314702 REV 2
CG-211212 SM-1 A.C. MOTOR 1/4 HP, 440/3/60, 0.5 AMPS (FL), 4.0 AMP (LOCKED ROTOR), 1725 RPM SQUIRREL CAGE INDUCTION MOTOR, 4 POLES, SPLASH PROOF, CONTINUOUS DUTY, 50°C AMBIENT.	2/4/44 FEB. 44	5K45AC2129 CG:M-8118553 REV 0	CAE 211217 RESISTOR TYPE.	2/26/44 AUG. 44	G-101	COL:231000200 REV 0	CAEN-211220-C TCS SERIES D.C. GENERATOR H.V. RATED 430 VOLTS, 0.200 AMPS, 3450 RPM, SELF EXCITED, 2 POLE, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP. RISE 40°C, COMPOUND WOUND, SAME AS CEK-211220 EXCEPT IS MADE BY FRACTIONAL MOTORS.	2/26/44 AUG. 44	G-101 COL:231000200 REV 0
CDA 211213 MK-22 INDUCTION MOTOR RATED 115/1/60, 3400 RPM, 3 WATT OUTPUT, PERMANENT-SPLIT CAPACITOR TOTALLY ENCLOSED, SINGLE END SHAFT, END BELL MOUNTING, STARTING CURRENT 0.25 AMP, RUNNING CURRENT 0.10 AMP, REVERSIBLE, TYPE NO. INCLUDES -481821-10 CAPACITOR	2/15/44 FEB. 44	FRE CH:KS-5897-01 FRAME 43-1 ISSUE 1	CAE 211219 NXSP-44536 MAGNETIC CONTROLLER 115/1/60, 1.5 HP	2/24/44 FEB. 45	6942ED 92 6942 SIZE 1	962-1-32M2 ALT 1	CQR 211221 TCS SERIES D.C. MOTOR RATED 3/16 HP, 3450 RPM, 24 VOLTS DC, 10.5 AMP, VENTILATED 40°C TEMP RISE, CONTINUOUS DUTY, TWO BALL BEARINGS, COMPOUND WOUND.	2/25/44 MAR. 44	13400 COL:230N106 REV 2
CDA 211213 REQUIRED FOR OPERATION, 30°C TEMP RISE IN A 10°C TO 40°C AMBIENT.			CEK 211219 TCS SERIES DC GENERATOR L.V. RATED 240/12.5 VOLTS; 0.100/4.0 AMPS; 3450 RPM, SELF EXCITED, 2 POLE, VENTILATED CONTINUOUS DUTY, TEMP RISE 40°C, COMPOUND WOUND.	2/25/44 AUG. 44	MLS220-6	COL:231N602 REV 2	CG-211222 TCS SERIES AC MOTOR A.C. INDUCTION MOTOR, RATED 1/4 HP 115/1/60, 2.7 AMPS, 0.70 P.F., 3450 RPM, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP RISE 40°C, COMPOUND WOUND, 2 BALL BEARING, TYPE NO. INCLUDES G.E. TYPE 5243119GB CAPACITOR.	2/25/44 MAR. 44	5KC 49B8666 COL:230N10 REV 2
CAE 211214 NXSP-44536 MAGNETIC CONTROLLER 115V DC, 0.76 TO 1.0 HP.	2/24/44 MAR. 44	CAE:6942ED 147 6942 SIZE 1	CQR 211219-A TCS SERIES DC GENERATOR L.V. RATED 240/12.5 VOLTS; 0.100/4.0 AMPS; 3450 RPM SELF EXCITED, 2 POLES, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP. RISE 40°C, COMPOUND WOUND, SAME AS CEK-211219 EXCEPT IS MADE BY RUSSELL.	2/25/44 MAR. 44	13475	COL:231N603 REV 2	CQR 211223 TCS SERIES DC MOTOR RATED 3/16 HP, 3450 RPM, 230 VOLTS DC, 1.1 AMPS, VENTILATED 40°C TEMP RISE, CONTINUOUS DUTY, TWO BALL BEARING, COMPOUND WOUND.	2/25/44 MAR. 44	13525 COL:230N109 REV 1
CAE 211215 NXSP-44565 17C17 MAGNETIC CONTROLLER 115V DC, 1.1 TO 1.5 HP, LOW VOLTAGE PROTECTION, OVERLOAD EMERGENCY RUN, DRIP-PROOF, CLASS "A" INSULATION, AMBIENT TEMP. 40°C OR 50°C; CONTINUOUS DUTY, SEMI-AUTOMATIC, MAGNETIC OPERATION, *ALT 0, CAE: CERTIFICATION SHEET 942-84	2/24/44 DEC. 44	CAE:6942ED 148 SIZE 1	CAEN 211219-B TCS SERIES D.C. GENERATOR L.V. RATED 240/12.5 VOLTS; 0.100/4.0 AMPS; 3450 RPM, SELF EXCITED, 2 POLES, TOTALLY ENCLOSED, CONTINUOUS DUTY, TEMP. RISE 40°C, COMPOUND WOUND, SAME AS CEK-211219 EXCEPT MADE BY FRACTIONAL MOTORS.	2/26/44 MAR. 44	G-102	COL:231000100 REV 0	CAEN-211223-A TCS-12 DC MOTOR RATED 3/16 HP, 3450 RPM, 230 VOLTS DC, 1.25 AMPS 40°C CONT. 2 BALL BEARINGS, SIMILAR TO -211223 EXCEPT MANUFACTURED BY FRACTIONAL MOTOR.	6/26/44 AUG. 44	M-102 COL:230000300
CAE 211215 RESISTOR TYPE.			CEK 211220 TCS SERIES DC GENERATOR H.V. RATED 425 VOLTS, 0.180 AMPS, 3450 RPM, SELF EXCITED, 2 POLE, VENTILATED, CONTINUOUS DUTY, TEMP RISE 40°C, COMPOUND WOUND.	2/25/44 AUG. 44	MLS220-5	COL:231N701 REV 2	CAEN 211224 TCS SERIES DC MOTOR RATED 3/16 HP, 115 VOLTS DC, 2.0 AMPS, VENTILATED, 40°C TEMP RISE, CONTINUOUS DUTY, TWO BALL BEARINGS COMPOUND WOUND, 3450 RPM.	2/25/44 AUG. 44	M-100 COL:230000100 REV 0

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CQR 211224 -A TCS SERIES D.C. MOTOR RATED 3/16 H.P. 115 VOLTS D.C., 2.25 AMPS. VENTILATED. 40° C TEMP RISE. CONTINUOUS DUTY. TWO BALL BEARING. COMPOUND WOUND. SAME AS CAEN-211224 EXCEPT IS MADE BY RUSSEL. 3450 RPM.	2/26/44 AUG. 44	13500 COL:230H107 REV. 1	CAY- 211232 TBM-11,TBK-20 17-C-17 MAGNETIC CONTROLLER: RATED 230 VDC. 22 AMPS. 5.0 HP. HAS LOW VOLTAGE RELEASE, THERMAL OVERLOAD, IS DRIPPROOF, CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000 FT LBS). SEMI-AUTOMATIC.	3/15/44 FEB. 45	SHOP ORDER #4-B-8990	CAY:45-J-408 SUB 3	COB- 211239 LAE MOTOR AC: 105-125/1/60, 2 POLE. INDUCTION.	4/6/44 JULY 44	(CRB)MO-1001 ISSUE C
CEK 211225 TCS SERIES DC MOTOR RATED 3/16 HP. 32 VOLTS DC. 6.5 AMPS. VENTILATED. 40° C TEMP RISE. CONTINUOUS DUTY. TWO BALL BEARING. COMPOUND WOUND.	2/26/44 MAR. 44	ML-5220 COL:230N104 REV 0	CAY 211233 TBM-11,TBK-20 17-C-10 MAGNETIC CONTROLLER RATED 440/3/60. 7 AMPS. 5.0 HP. HAS LOW VOLTAGE RELEASE THERMAL OVERLOAD. IS DRIPPROOF. CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000 FT-LBS). SEMI-AUTOMATIC.	3/15/44 FEB. 45	SHOP ORDER #4-B-8879	CAY:45-J-405 SUB 3	COB- 211240 SO-9 MOTOR-ALTERNATOR UNIT: INPUT: 27 TO 37 VOLTS DC AT 60 TO 50 AMPS. 1.65 TO 1.95 HP. SHUNT WOUND MOTOR WITH SERIES STARTING FIELD. OUTPUT: 115 VOLTS, 1 PHASE, 400 CYCLES, 1 KVA 0.9 PF. 4200 TO 5500 RPM.	4/7/44 JULY 44	630 HARB (CRP)WX-5411
CAY 211226 TBL-13 17 C 17 MAGNETIC CONTROLLER RATED 115V DC. 27 AMPS. 3.5 HP. HAS LOW VOLTAGE RELEASE. THERMAL OVERLOAD. IS DRIPPROOF. CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000). SEMI-AUTOMATIC.	2/29/44 MAR. 44	CAY:7502866-G-2	CJM- 211234 NXSR-44561-LL MOTOR GENERATOR SET INPUT 115 VOLTS DC. OUTPUT 115/1/60 (KVA 0.85 PF. CONSISTS OF BEDPLATE, ACCESSORIES 1 CJM-211236 MOTOR AND 1 CJM-211153 GENERATOR 4 BEARING.	3/18/44 MAR. 44	S-5319 4/3/44		CDD- 211241 SO-4 MOTOR-ALTERNATOR UNIT: INPUT: 115V DC. 24.5 AMPS. 3.13 HP. OUTPUT: 115/1/60, 2 KW. 0.9 PF. MOTOR HAS CUMULATIVE COMPOUND WINDING. 3600 RPM. DRIPPROOF PROTECTED. 50° C-03. CLASS B INSULATION. (CRP)RX-1175. (CDD)E10100-03-600 4/8/44 SEE ABOVE JULY 44	(CRP)M-240-W3 SUB A	
CAY 211227 TBL-13 17 C 17 MAGNETIC CONTROLLER RATED 230V DC. 13.8 AMPS. 3.5 HP. HAS LOW VOLTAGE RELEASE. THERMAL OVERLOAD. IS DRIPPROOF. CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000). SEMI-AUTOMATIC.	2/29/44 MAR. 44	CAY:7502866-G1	CJM- 211235 NXSR-44561-LL D.C. MOTOR RATED 1 3/4 HP. 115 VOLTS DC. 1800 RPM.	3/18/44 AUG. 44			CDD- 211242 SO-4 MAGNETIC CONTROLLER: RATED 3.3 HP, 115 VOLTS DC. CONT. DUTY MANUALLY OPERATED. INCLUDES VOLTAGE AND SPEED REGULATORS. CLASS A INSULATION. DRIPPROOF. HIGH IMPACT. 50° C.	4/8/44 JULY 44	CRP:RX-1121 ACA-18100 CDD:E9945-01-600 RLY 2
CAY 211228 TBL-13 17 C 17 MAGNETIC CONTROLLER RATED 440/3/60. 5.2 AMPS. 3.5 HP. HAS LOW VOLTAGE RELEASE. THERMAL OVERLOAD. IS DRIPPROOF. CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000). SEMI-AUTOMATIC.	2/29/44 MAR. 44	CAY:7502866-G3	CKO 211236 NXSR-46049 ROTARY CONVERTER-FILTER UNIT INPUT: 115 VOLTS DC. 350 WATTS. OUTPUT: 115/1/60. 225 VA. 0.80 PF. 3600 RPM. SELF EXCITED. 40° C CONTINUOUS. INCLUDES FILTER UNIT.	3/24/44 MAY 44	CKO:E05KA33 CHGE 0		CJM- 211243 NXSR-44561-LL A.C. GENERATOR: RATED 115/1/60 1800 RPM. 1 KVA. SELF EXCITED 230 VOLTS DC. SAME AS -211153 EXCEPT FOR EXCITATION.	4/8/44 JULY 44	
CAE- 211229 * MAGNETIC CONTROLLER RATED 115 VDC. 1.6 2.0 HP (1.75).	3/11/44 MAR. 44	6942E0149 6942 SIZE 1	CG- 211237 T0Q BLOWER MOTOR (AC) RATED 1/70 HP. 110/1/60. 2850 RPM. ROTATION CW AS VIEWED FROM THE SHAFT END. SEALED BALL BEARINGS CAPABLE OF TAKING THRUST TO PERMIT VERTICAL MOUNTING. TYPE NO. INCLUDES CAPACITOR. CAPACITOR RATING 3.75 MFD. 330V AC.	3/27/44 AUG. 44	B2264XC 10146-12	CRV:P-720519-1 SUB 13	CAY- 211244 NXSR-44537 MAGNETIC CONTROLLER: RATED 2 HP. 230 VOLTS DC.	4/8/44 JULY 44	8502-S1 1-018-740 CATALOG
*NXSR-44561			CG- 211238 UE-1 AC MOTOR SYNCHRONOUS. RATED 0.000143 HP. 115/1/60. 1 WATT. 60 RPM. 0.020 AMPS LINE CURRENT 10° C TO 70° C AMBIENT. INTERMITTENT DUTY. NOT TO EXCEED 15 MINUTES IN ANY 60 MINUTE PERIOD.	3/14/44 MAR. 44	BC-2 WITH SPECIAL COIL	K-54J789 REV 2	CW- 211245 MK 13 MAGNETIC CONTROLLER: CONTAINS A 3 PHASE CONTACTOR FOR 440 VOLTS OR 220 VOLTS FOR CONTROLLING ANTENNA SCAN MOTOR AND ASSOCIATED FUSES. OVERLOAD RELAYS AND RESET KEYS. 3/4 HP.	4/12/44 JULY 44	D-152188
CAY 211231 TBM-11,TBK-20 17-C-17 MAGNETIC CONTROLLER: RATED 115 VDC. 44 AMPS. 5.0 HP. HAS LOW VOLTAGE RELEASE. THERMAL OVERLOAD. IS DRIPPROOF. CLASS "A" INSULATION. FOR 50° C AMBIENT TEMPERATURE SERVICE AND HIGH SHOCK (2000 FT-LBS). SEMI-AUTOMATIC.	3/15/44 FEB. 45	SHOP ORDER #4-B-8990	CW-211238 HAND GENERATOR: 3 BAR. HAND OPERATED GENERATOR FOR TELEPHONE RINGING. OUTPUT AT 212 RPM OF THE CRANK IS 90 MA INTO 200 OHMS. TYPE NUMBER INCLUDES FOLDING HAND CRANK. PERMANENT MAGNET TYPE WITH REVOLVING ARMATURE. CONSISTS OF A SET OF SPST CONTACTS. 4/4/44 GH-38-B MAR. 45 PLUS CG-9	4/4/44 MAR. 45	B2264XC 10146-12	CRV:P-720519-1 SUB 13	CANJ-211246 NXSR-44565-LL REB911B MOTOR GENERATOR SET: INPUT: 230V DC. OUTPUT 115/1/60. 2.5 KVA. 85% PF. CONSISTS OF BED PLATE, ACCESSORIES, (1) CAJ-211247 MOTOR, AND (1) CANJ-211248 GEN.	4/15/44 JULY 44	

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CANJ-211247		NXSR-44565-LL	CAY-211255		CXCB			
DC MOTOR: RATED 230V DC 3 HP 1800 RPM.			SERVO-GENERATOR SET: CONSISTS OF BEDPLATE, ACCESSORIES, (1) CAY-211254 MOTOR AND (1) CAY-211194 GEN- ERATOR. INPUT: 115/3/60, 6.0 AMPS. OUT- PUT 220V DC, 0.4 KW.					
4/15/44			4/24/44	LX-7394	7-A-5751			
JULY 44			JULY 44		SUB 5			
CANJ-211243		NXSR-44565-LL	CG-211256		GEN. RADAR USE			
AC GENERATOR: RATED 115/1/60.			MOTOR GENERATOR SET: SUPPLY: 230 VOLTS DC 23.5 AMPS. CONSISTS OF A -211257 DC MOTOR, A -211258 DC GEN- ERATOR AND A 211258 DC EXCITER.					
4/15/44			NXSR-39249					
JULY 44			4/25/44		K-8426165			
			JULY 44		REV 0			
CG-211249		SP	CG-211257		GEN. RADAR USE			
MOTOR GENERATOR SET: INPUT: 115 VOLTS DC, 184 AMPS. OUTPUT: 115/3/60, 94 AMPS, 18.75 KVA, 0.8 PF. CONSISTS OF -211251 DC MOTOR AND -211253 AC GENERATOR AND EXCITER.			DC MOTOR: RATED 6 HP, 230 VOLTS DC, 23.5 AMPS, 3600 RPM, 40°C CONT. DRIPPROOF SEMI- ENCLOSED, SHUNT WOUND.					
4/21/44		WW-8434993	NXSR-39249					
JULY 44			4/25/44	58226A830	K-8426165			
			JULY 44		REV 0			
CG-211250		SP	CG-211258		GEN. RADAR USE			
MOTOR GENERATOR SET: INPUT: 230 VOLTS DC, 92 AMPS. OUTPUT: 115/3/60, 94 AMPS, 18.75 KVA, 0.8 PF. CONSISTS OF -211252 DC MOTOR AND -211253 AC GENERATOR AND EXCITER.			AC GENERATOR: RATED 115 VOLTS, 1 PHASE 60 CYCLES, 34.8 AMPS, 0.85 PF, 4 KVA, 3.4 KW, DRIP- PROOF, SEMI-ENCLOSED, 3600 RPM, 40°C CONT. SEPARATELY EXCITED.					
4/21/44		WW-8434994	NXSR-39249					
JULY 44			4/25/44	5A226A7	K-8426165			
			JULY 44		REV 0			
CG-211251		SP	CG-211259		GEN RADAR USE 17G7			
DC MOTOR: 25 HP, 115 VOLTS DC, 184 AMPS, 1800 RPM, 40°C CONT. DRIPPROOF PROTECTED.			DC EXCITER: OUTPUT: 100 VOLTS DC, 2 AMPERES, 200 WATTS, 3500 RPM, 40°C CONT. DRIPPROOF, SEMI-ENCLOSED, DIFFERENTIALLY COMPOUND WOUND WITH SELF EXCITED SERIES FIELD AND *CGDMGK-8138623, REV 3 NXSR-39249					
4/21/44		33A1574 WW-8434993	4/25/44	58C46AB928	*SEE ABOVE			
JULY 44			JULY 44					
CG-211252		SP	CG-211259		A SEPARATELY EXCITED DIFFERENTIAL SHUNT FIELD, HAS ONE INTERPOLE.			
DC MOTOR: 25 HP, 230 VOLTS DC, 92 AMPS, 1800 RPM, 40°C CONT. DRIPPROOF PROTECTED.								
4/21/44		33A1573 WW-8434994						
JULY 44								
CG-211253		SP	CAKG-211260		GEN. RADIO RE8911B USE			
AC GENERATOR AND EXCITER: RATED 115/3/60, 94 AMPS, 18.75 KVA, 0.8 PF, 15 KW, 1800 RPM 40°C CONT. SEMI- ENCLOSED, DRIPPROOF, INCLUDES EXCITER RATED AT 100 VOLTS DC, 3.5 AMPS, WHICH IS OVERHUNG ON THE GENERATOR.			MOTOR-GENERATOR UNIT: INPUT: 115V DC (105-130) OUTPUT 115/1/60, .25 KVA 85% PF, 2 HRS AT 25% OVERLOAD, SELF EXCITED.					
4/21/44		5LY-141A1 WW-8434993	4/28/44	312718				
JULY 44			JULY 44					
CAY-211254		CXCB	CAIZ-211261		MK-13			
MOTOR: 115/3/60, 6.0 AMPS, 1 HP 3450 RPM, SELF EXCITED, 2 POLES 40°C CONTINUOUS.			A.C. MOTOR: INPUT: 220-440/3/60 - 3/4 HP - 1725 RPM TOTALLY ENCLOSED WATERPROOF, CONSTANT DUTY, MAY MOUNT ON A SIDE WALL IN VER- TICAL OPERATION WITH SHAFT END DOWN.					
4/24/44		LX-7394 7-A-5751	(CM-DWG-KS-15051 LIST 01-1SS #1-)					
JULY 44		SUB 5	5/10/44 11 H 62 17:110-INT					
			JULY 44					

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CW-211262 MK 20 MOD 1 BLOWER UNIT: FOR VENTILATING TYPE -10343 TRAILER. MOUNTS AT THE FORWARD SIDE OF FRONT STACK OF UNITS AND DISCHARGE AIR THROUGH AN OPENING IN THE FRONT FLAP OF THE CAN- VAS TOP OF THE TRAILER. INCLUDES MOTOR RATED 22-28 VOLTS DC, 1/20 HP, 1750 RPM. 5/22/44 X-66189-AP CW:BL-417556 DEC. 44 ISSUE 1			CEK-211266 TCS-9 MOTOR D.C.: RATED 24V DC, 8.5 AMPS, 3450 RPM, 3/16 HP. COMPOUND WOUND. TEMP. RISE 40°C CON- TINUOUS.	6/21/44 HL-5220-7 AUG. 44	COL:230N102 REV 1	CAE-211274 NXsr-51538 MAGNETIC CONTROLLER: RATED (105-130) 115V DC, 70 AMPS, (6.1-7.5) 6.5 HP. SEMI-AUTOMATIC LOW- VOLTAGE AND OVERLOAD PROTECTION. 40°-50°C AMBIENT CONTINUOUS DUTY. DRIPPROOF EN- CLOSURE. HI SHOCK CLASS "A" INSULATION. *CAE:942-1-3M10, ALT 0 7/5/44 6942ED251 17C17 AUG. 44 SIZE 3 *SEE ABOVE		
			CW-211262 3.2 AMPS, 4 POLE SHUNT WOUND (COE TYPE D-31420)			CHT-211275 NXsr-51538 MOTOR GENERATOR SET: INPUT (105-130) 115V DC, OUTPUT 115/160. CONSISTS OF ACCESSORIES, BED- PLATE, TYPE CHT-211276 MOTOR, TYPE CHT-211277 GENERATOR.		
			CAOG-211263 RQ-10138 17M10(INT) AC MOTOR AMEND #1 RATED 220/440/30/60, 1 1/2 HP, 1800 RPM, SQUIRREL CAGE, NORMAL TORQUE NORMAL STARTING CURRENT, TOTALLY ENCLOSED NON- VENTILATED, WATERPROOF BALL BEARING, FOR INVERTED HORIZONTAL CEILING MOUNTING	6/24/44 D-152653 AUG. 44	CW:BX-20408	*CHT:21-1315 7/5/44 H45111 E-23092-V2 FEB. 45 REV 0 *		
			5/26/44 TYPE E CAOG:10716A MAR. 45 FRAME 224			CHT-211276 NXsr-51538 D.C. MOTOR: RATED (105-130) 115V DC, 56 AMPS, 6.5 HP, 1800 RPM. SHUNT INTERPOLE WOUND, HAS CENTRIFUGAL SPEED GOVERNOR, 4 POLES, 4 INTERPOLES.		
			CAOG-211263 RATED FOR 20 MINUTES ON 2 HOUR OFF INTERMITTENT DUTY AT 50°C AMBIENT, CLASS A INSULATION. SIMILAR TO NAVY TYPE -211434 EXCEPT FOR 440V ONLY AND SLIGHT DIMENSIONAL DIFFERENCES.	6/24/44 CW:KS-15034 AUG. 44 LIST 01	* SEE ABOVE	*CHT:21-1315 7/5/44 23092V-1 E-23092-V2 FEB. 45 REV 0 *		
			CAOG-211264 RQ-10319 17M17(INT) D.C. MOTOR: AMEND #5 RATED 115 VOLTS DC, ANPS 1 1/2 HP 1750 RPM. COMPOUND WOUND, TOTALLY ENCLOSED NON-VENTILATED, WATERPROOF, BALL BEAR- ING, RATED 20 MIN. ON AND 2 HOUR OFF INTERMITTENT DUTY AT 50°C AMBIENT, CLASS "A" INSULATION. SIMILAR TO NAVY TYPE 5/26/44 TYPE D CAOG:10717A MAR. 45 224 FRAME	6/29/44 EE1880 AUG. 44	CW:KS-15026 LIST 01 ISSUE 1	CHT-211277 NXsr-51538 A.C. GENERATOR: RATED 115/160, 5 KVA, 0.85 PF, 1800 RPM, SEPARATELY EXCITED 115 VOLTS, 1.2 AMP. 50°C CONT.		
			CAOG-211264 RQ-10319 17M17(INT) D.C. MOTOR: AMEND #5 RATED 115 VOLTS DC, ANPS 1 1/2 HP 1750 RPM. COMPOUND WOUND, TOTALLY ENCLOSED NON-VENTILATED, WATERPROOF, BALL BEAR- ING, RATED 20 MIN. ON AND 2 HOUR OFF INTERMITTENT DUTY AT 50°C AMBIENT, CLASS "A" INSULATION. SIMILAR TO NAVY TYPE 5/26/44 TYPE D CAOG:10717A MAR. 45 224 FRAME	6/29/44 EE1880 AUG. 44	CW:KS-15026 LIST 01 ISSUE 1	*CHT:21-1315 7/5/44 23092V-1 E-23092-V2 FEB. 45 REV 0 *		
			CAOG-211264 -21435 EXCEPT FOR DIMENSIONAL DIFFEREN- CES.			CAE-211278 NXsr-51538 MAGNETIC CONTROLLER: RATED (210-260) 230V DC, 40 AMPS, (6.1-7.5) 6.5 HP. SEMI-AUTOMATIC LOW VOLTAGE AND OVERLOAD PROTECTION. 40°-50°C AMBIENT CONTINUOUS DUTY. DRIPPROOF EN- CLOSURE. HI SHOCK, CLASS A INSULATION.		
			CAOH-211265 MK-20 MOD 1 D.C. MOTOR: 27 VOLTS DC 1/10 HP 3600 RPM, SHUNT WOUND, LOCKED ROTOR TORQUE 27.5 OZ -INS. MORD 3456.			7/5/44 6942ED253 942-1-2M8 AUG. 44 ALTO		
			Z-330 5/26/44 KS-15049 KS-15049 FIG.1 AUG. 44 LIST 01 ISSUE 2			CHT-211279 NXsr-51538 MOTOR GENERATOR SET: INPUT (210-260) 230V DC, OUTPUT 115/160. CONSISTS OF ACCESSORIES, BEDPLATE, TYPE CHT-211280 MOTOR, CHT-211281 GENERATOR.		
			CAOH-211265-A MK 20 MOD 1 D.C. MOTOR: 27 VOLTS DC, 1/10 HP, 3600 RPM, SHUNT WOUND, LOCKED ROTOR TORQUE 48 OZ-INS. SAME AS NAVY TYPE -211265 EXCEPT FOR TOR- QUE RATING. USED AS REPLACEMENT FOR -211265.			*CHT:21-1315 7/5/44 H45112 E-23092-V2 FEB. 45 REV 0 *		
			5/26/44 Z-450 KS-15049 FIG 1 JULY 44 KS-15049 LIST 02 ISSUE 2			CHT-211280 NXsr-51538 D.C. MOTOR: RATED (210-260) 230V DC, 28 AMPS, 6.5 HP, 1800 RPM, SHUNT INTERPOLE WOUND, HAS CENTRIFUGAL SPEED GOVERNOR, 4 POLES, 4 INTERPOLES.		
			CAOH-211265-A MK 20 MOD 1 D.C. MOTOR: 27 VOLTS DC, 1/10 HP, 3600 RPM, SHUNT WOUND, LOCKED ROTOR TORQUE 48 OZ-INS. SAME AS NAVY TYPE -211265 EXCEPT FOR TOR- QUE RATING. USED AS REPLACEMENT FOR -211265.			*CHT:21-1315 7/5/44 23092V-2 E-23092-V2 FEB. 45 REV 0 *		
			5/26/44 Z-450 KS-15049 FIG 1 JULY 44 KS-15049 LIST 02 ISSUE 2			CHT-211281 NXsr-51538 A.C. GENERATOR: RATED 115/160, 5 KVA, 0.85 PF, 1800 RPM, SEPARATELY EXCITED 250 VOLTS 0.6 AMPS, 50°C CONT.		
						*CHT:21-1315 7/5/44 1592 AH-1 E-1593-AH2 FEB. 45 REV 0 *		

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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
CAE-211282 NXsr-51539 MAGNETIC CONTROLLER: RATED (210-260) 230V DC, 20 AMPS, 4.1- 6.0 HP, SEMI-AUTOMATIC, LOW-VOLTAGE AND OVERLOAD PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIPPROOF ENCLOSURE, HI SHOCK, CLASS "A" INSULATION. SCALE: 942-123M4, ALT 0 7/10/44 6942ED186 AUG. 44			CC-211289 TBK-19 LV & BIAS DC-GENERATOR: OUTPUT 1500/250V DC, 0.13/0.4 AMPS, 0.195 KW, 1760 RPM CONTINUOUS DUTY, 40°C TEMP RISE, SHUNT WOUND, SELF EXCITED.	7/17/44 D-224X AUG. 44	N-34200 ALT 0	CBP-211296 QBE-5 MOTOR GENERATOR UNIT: MOTOR RATED 1 HP, 230V DC, 4.4 AMPS, 1800 RPM, GENERATOR RATED 115/1/60, 3.9 AMPS, 0.35 PF, 530 VA, SAME AS -211295 EXCEPT FOR MOTOR SUPPLY.	7/26/44 (CBM)562DB AUG. 44			
CHP-211283 ST A.C. MOTOR: SYNCHRONOUS 115/1/60 7.2 WATT, 180 RPM, CONSISTING OF A DOUBLE LOW WATTAGE MOTOR OF THE TIMER TYPE OPERATING A DRIVE SHAFT THROUGH REDUCTION GEARS WHICH REDUCE SPEED OF SHAFT TO 4 RPM, MINIMUM START- ING TORQUE 2.25 OZ. IN. 7/12/44 SERIES 2200 CW:KS-15069 AUG. 44 LIST 01 ISS. 2			CAQ-211290 QJB A.C. MOTOR: 115V AC, 1P, 60-, 1/20 HP SLIP PHASE MOTOR, TOTALLY ENCLOSED, APPROX. 1750 RPM.	7/17/44 AUG. 44	771D	CG-211297 TCK-7 ΩSEE BELOW MAGNETIC CONTROLLER: RATED 2 HP, 230V DC, 10 AMPS, SEMI- AUTOMATIC, LOW VOLTAGE AND OVERLOAD PRO- TECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIPPROOF ENCLOSURE, HI SHOCK, Ω17C17 EXCEPT COILS WILL NOT MEET TEMP. RISE PAK F-5D (5). 7/31/44 CR-5230-841H CG:11K2503-1 OCT. 44 ALT 0				
CDA-211284 MK 20 MOD 1 MOTOR D.C. RATED 27V DC, 9.5 AMP WITH 96 OZ. INCH TORQUE, 1750 RPM, 1/6 HP REVERSIBLE, TEMP RISE 65°C CONT. DUTY, END SHIELD MTG.			CBP-211291 QBE-4 MOTOR GENERATOR UNIT: MOTOR RATED 1.5 HP, 115V DC, 12.5 AMPS, 1800 RPM, WITH SPEED REGULATOR, GENERA- TOR RATED 115/1/60, 7.8 AMPS, 0.90 PF, 900 VA, SELF EXCITED, AMBIENT TEMP. 0-50°C, TEMP RISE IS 40°C.	7/13/44 FDF87-3 AUG. 44	CW:KS-5845 LIST 0: ISS 1 & APP 102	7/25/44 FBC3/FBC3 60356 AUG. 44 (CBM)562DC ALT. 0		CG-211297 CLASS A INSULATION.		
CGU-211285 MK 20 MOD 1 MOTOR GENERATOR UNIT: INPUT 80-120V DC, OUTPUT 115/1/400, .9 PF, 1600 VA, MOTOR SPEED REGULATED SHUNT WOUND, DC EXCITER COMPOUND WOUND, SUP- PLIES AC GENERATORS FIELD EXCITATION IN ADDITION TO 475 WATTS OF EXTERNAL LOAD, OVERCOMPUNDED TO GIVE 27 VOLTS AT 3 7/15/44 KS-5885 CW:KS-5885 AUG. 44 LIST 01 LIST 01			CAT-211292 QBE-4 MAGNETIC CONTROLLER: RATED 1.5 HP, 115 VOLTS DC HI-SHOCK, DRIPPROOF, NON-REVERSING.	7/25/44 CLASS 6310, SIZE 1 37-J-392 AUG. 44 (CBM)979E SUB 3		CAPX-211298 NXsr-53331 RE 8911B D.C. MOTOR: SUPPLY: 115V, 36 AMPERES D.C. 4 HP, 1800 RPM, 50°C CONTINUOUS DUTY; 70°C RISE; LAP WOUND 4 MAIN POLES & 4 INTER- POLES, 25% OVERLOAD FOR 2 HOURS, CLASS B INSULATION.	8/9/44 JCC-2 (CAPX:3100) OCT. 44			
AMPS AND 29.5V AT 16 AMPS.		CGU-211285	CG-211293 SC-4 MAGNETIC CONTROLLER: RATED 5 HP, 230V DC, 28.5 AMP, SEMI- AUTOMATIC, LOW VOLTAGE AND OVERLOAD PRO- TECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIPPROOF ENCLOSURE, HI SHOCK, Ω17C17, EXCEPT COIL TEMP. RISE ISS 1 AF-5B (6) 7/25/44 CR-5230-841H CG:11K2619-0 ALT H AUG. 44 ΩSEE ABOVE			CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
CC-211286 TBK-19 MOTOR-GENERATOR SET: INPUT 220/440V, 3Ø, 60-, CONSISTS OF AC- CESSORIES BEDPLATE, CC-211287 AC MOTOR, CC-211288 HV GENERATOR, CC-211289 LV AND BIAS GENERATOR.			CG-211294 SC-5 MAGNETIC CONTROLLER: RATED 9.7 KVA, 440/1/60, SEMI-AUTOMATIC, LOW VOLTAGE AND SHORT CIRCUIT PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIP- PROOF ENCLOSURE, HI SHOCK, CLASS A IN- SULATION.	7/17/44 N25X-D226X-D224X N-34250 DEC. 44 ALT 0		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
7/17/44 N-254X N-34250 AUG. 44 ALT 0			CG-211295 SC-5 MAGNETIC CONTROLLER: RATED 9.7 KVA, 440/1/60, SEMI-AUTOMATIC, LOW VOLTAGE AND SHORT CIRCUIT PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIP- PROOF ENCLOSURE, HI SHOCK, CLASS A IN- SULATION.	7/25/44 CR-5130-B27H 17C10 AUG. 44 CG:11K2815-AA ALT 0		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
CC-211287 TBK-19 A.C. MOTOR: SQUIRREL CAGE INDUCTION MOTOR, RATED 220/440V, 13.0/6.5 AMPS 3Ø, 60- 1760 RPM, 6 HP, CONTINUOUS DUTY, 40°C TEMP RISE.			CG-211295 SC-5 MAGNETIC CONTROLLER: RATED 9.7 KVA, 440/1/60, SEMI-AUTOMATIC, LOW VOLTAGE AND SHORT CIRCUIT PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIP- PROOF ENCLOSURE, HI SHOCK, CLASS A IN- SULATION.	7/17/44 N-254X N-34250 AUG. 44 ALT 0		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
7/17/44 N-254X N-34250 AUG. 44 ALT 0			CG-211295 SC-5 MAGNETIC CONTROLLER: RATED 9.7 KVA, 440/1/60, SEMI-AUTOMATIC, LOW VOLTAGE AND SHORT CIRCUIT PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIP- PROOF ENCLOSURE, HI SHOCK, CLASS A IN- SULATION.	7/25/44 CR-5130-B27H 17C10 AUG. 44 CG:11K2815-AA ALT 0		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
CC-211288 TBK-19 H.V.D.C. GENERATOR: OUTPUT 3000/1500V DC, 0.5/0.4 AMPS, 1.50/0.6 KW, 1760 RPM, CONTINUOUS DUTY, 40°C TEMP RISE, COMPOUND WOUND, SEPARAT- ELY EXCITED.			CBP-211295 QBE-5 MOTOR GENERATOR UNIT: MOTOR RATED 1 HP, 115V DC, 8.8 AMPS, 1800 RPM, GENERATOR RATED 115/1/60, 3.9 AMPS, 0.35 PF, 530 VA, SAME AS -211296 EXCEPT FOR MOTOR SUPPLY.	7/17/44 D-226X N-34225 AUG. 44 ALT 0		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/5/44 BC-46AB986 OCT. 44			
7/17/44 D-226X N-34225 AUG. 44 ALT 0			CG-211295 SC-5 MAGNETIC CONTROLLER: RATED 9.7 KVA, 440/1/60, SEMI-AUTOMATIC, LOW VOLTAGE AND SHORT CIRCUIT PROTECTION, 40°-50°C AMBIENT, CONTINUOUS DUTY, DRIP- PROOF ENCLOSURE, HI SHOCK, CLASS A IN- SULATION.	7/26/44 (CBM)562CY AUG. 44		CG-211299 X-WCA-8 TRAINING MOTOR: SUPPLY: 250V DC TO ARMATURE, 125V DC TO SHUNT FIELD, 1/4 HP, 1725/155 RPM, IN- CLUDES GEAR REDUCTION, MECHANISM.	8/9/44 JCC-4 (CAPX:3100) OCT. 44			
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CAPX- 211302		NXsr-53351 RE 8911B D.C. MOTOR; SUPPLY: 230V, 18 AMP DC. SPEED 1800 RPM. 4 HP. 50°C CONTINUOUS DUTY; 70°C RISE; LAP WOUND; 4 MAIN POLES AND 4 INTERPOLES 25% OVERLOAD FOR 2 HOURS; CLASS B IN- SULATION.	CAY- 211308		NXsr-53394 MAGNETIC CONTROLLER; RATED 230V DC, 6 AMPS 1 HP. AUTOMATIC OVERLOAD RESET. DRIPPROOF. 50° AMBIENT. HI SHOCK, TYPE A INSULATION. THERMAL OVERLOAD AND LOW VOLTAGE PROTECTION. SI- MILAR TO -211140 EXCEPT RATED AT 1 HP INSTEAD OF 3/4 HP. 8/9/44 6311-S1A OCT. 44	CG-211314		SP-1M SP AC MOTOR; RATED 1/150 HP MOTOR RATED 40 VOLTS 10 60 CYCLES. WITH A 160 OHM RESISTOR IN SERIES WITH FIELD MOTOR BUT OUTSIDE OF THE MOTOR. MAX CURRENT 1.0 AMP ON ARMA- TURE. 0.225 A.P ON FIELD. SHUNT WOUND. MAY BE USED ON 115/1/60. 8/29/44 (CG)58N38HA (CG)M-55J553 DEC. 44 REV 1
8/9/44 (CAPX:#100) OCT. 44			CG-211309		TCJ-2 17C17 MAGNETIC CONTROLLER; RATED 230V DC, 2 HP. DRIPPROOF ENCL- SURE. CLASS HI SHOCK CLASS A INSULATION. AMBIENT TEMP. 40° TO 50°C. RESISTOR TYPE. SEMI-AUTOMATIC; CONTINUOUS DUTY. LOW VOLTAGE RELEASE AND OVERLOAD PRO- TECTION. FUNCTION-MOTOR-STARTING. 8/11/44 11K2503-1 CG-11K2503-1 OCT. 44 ALT 1	CG-211315		SK MAGNETIC CONTROLLER RATED 1 1/2 HP. 230V DC, 6.9 AMPS. SEMI- AUTOMATIC LOW VOLTAGE AND OVERLOAD PRO- TECTION. 40°-50° AMBIENT. CONTINUOUS DUTY. DRIPPROOF ENCLOSURE HI SHOCK. CLASS "A" INSULATION. IN ACCORDANCE WITH 17C17 EXCEPT COILS WILL NOT MEET TEMPERA- 5/29/44 CR5230-84H 11K2461-1 OCT. 44 ALT 7
CAPX-211303		NXsr-53331 RE 8911B MOTOR GENERATOR SET; CONSISTS OF 1 NAVY TYPE -211302 DC MOTOR AND 1 NAVY TYPE -211300 AC GENERATOR AND EXCITER. SAME AS NAVY TYPE -211301 EX- CEPT FOR MOTOR SUPPLY.	CAE-211310		NXsr-53331 17C17 MAGNETIC CONTROLLER; RATED 3.1-4.0 HP, 115 VOLTS DC. SEMI- AUTOMATIC. DRIPPROOF HI SHOCK. TYPE A INSULATION. INCLUDES ONE LOCAL PUSH BUTTON STATION 50°C AMBIENT. SIZE 2	CG-211315		CG-211315 TURE RISE SPECIFIED IN PAR F-5b (5).
8/9/44 JCC-6 (CAPX:#100) OCT. 44			8/12/44 6942 ED321 CAE:942-1-2M9, OCT. 44 ALT. 0					
CAPX- 211304		NXsr-53394 RE-8911-B MOTOR GENERATOR UNIT; MOTOR RATED 115V, 10 AMPS. DC., 1 HP 1800 RPM. AC GENERATOR RATED 0.5 KVA, 0.85 P.F., 115/1/60 4.35 AMPS. INCLUDES DC EXCITER, INTEGRAL WITH END BELL OF AC GENERATOR, RATED 150 WATTS, 75V, 2 AMPS DC. 50°C CONTINUOUS DUTY; 70°C RISE. 8/9/44 JCC-7 CPX:#200 OCT. 44	CG-211311		SC-4 17C10 MAGNETIC CONTROLLER; RATED 5 KVA, 250/1/60. SEMI-AUTOMATIC. LOW VOLTAGE AND SHORT CIRCUIT PROTECTION. 40°-50° AMBIENT. CONTINUOUS DUTY. DRIP- PROOF ENCLOSURE. HI SHOCK. CLASS A IN- SULATION.	CG-211316		SC-4 MOTOR. D.C. RATED 250V DC WITH 70V. SEPARATELY EX- CITED FIELD; 1/3 HP, 2400 RPM. SIMILAR TO NAVY TYPE CG-21859 EXCEPT FOR THE 70V. SEPARATELY EXCITED FIELD.
8/9/44 JCC-7 (CAPX:#200) OCT. 44			8/15/44 CR-5130-B271-1 CG:11K2815-AB OCT. 44 ALT 0					
CAPX 211304		25% OVERLOAD FOR 2 HOURS; LAP WOUND THROUGH OUT. MOTOR 4 MAIN POLES & 4 INTERPOLES. GENERATOR 4 POLES; EXCITER -2 POLES.	COB 211312		X-LAF-1 A. C. MOTOR RATED 0.0015 H.P., 115/105-125) VOLTS, 50-60 CYCLES, SINGLE PHASE, 0.16 AMPS, 10.5 WATTS, 2400 R.P.M., TORQUE 0.04 LB. INS. CONTINUOUS DUTY, TWO-POLE UNIDI- RECTIONAL TYPE. NO LOAD RATINGS: 0.145 AMPS, 9.5 WATTS, 3300 RPM. STALLED 8/19/44 DYAB 3563-1 CRB:NO-1001 SEPT. 44 ISSUE G	*M-8118596 ALT 2 9/6/44 58C46AB925 (CG)M-7472909 FEB. 45 REV 2 *		
CAPX- 211305		NXsr-53394 RE-8911-B MOTOR GENERATOR UNIT; MOTOR RATED 230V, INPUT, 5 AMPS DC, 1800 RPM, 1 HP. INCLUDES AC GENERATOR RATED 0.5 KVA, 0.85 PF, 115/1/60, AND DC EX- CITER, INTEGRAL WITH END BELL OF AC GEN- ERATOR. RATED 150W, 75V, 2 AMPERES DC. 50°C CONTINUOUS DUTY; 70°C RISE; 25% 8/9/44 JCC-8 (CAPX:-200) OCT. 44	COB 211312		X-LAF-1 RATINGS: 12 WATTS, TORQUE 0.04 LB. IN. EQUIPPED WITH BALL BEARINGS.	CAQM-211317		HK 34 MOD 3 & 4 MOTOR-GENERATOR UNIT MOTOR RATED 440/3/60, 1/8 HP, 1725 RPM, 75 OZ, INCHES. SQUIRREL CAGE INDUCTION TYPE GENERATOR OUTPUT 167/16 VOLTS, 30 CYCLES EACH SINGLE PHASE (DISPLACED 90°) INTO TWO 50,000 OHM NON-INDUCTIVE OCW:KS-15082-LO1, ISS 1 9/11/44 CAQM:MG-200 CW:KS-15082 FEB. 45 9 FIG 1, ISS 1
8/9/44 JCC-8 (CAPX:-200) OCT. 44			COB 211312		X-LAF-1 RATINGS: 12 WATTS, TORQUE 0.04 LB. IN. EQUIPPED WITH BALL BEARINGS.	CAQM-211317		LOADS WITH PERMANENT CAQM-211317 MAGNET ROTOR MOUNTED ON MOTOR SHAFT EX- TENSION. GENERATOR HOUSING CLAMPS ON TO MOTOR END SHIELD. MOTOR END ARRANGED FOR FLANGE MOUNTING. MOTOR SPECIAL HOLLOW SHAFT MOUNTS GENERATOR ARMATURE AND IS ALSO USED TO DRIVE ANTENNA. WATERPROOF. TEMP. RISE 50°C OVER 40°C AMBIENT.
CAPX-211305		OVERLOAD FOR 2 HOURS LAP WOUND THROUGH OUT. MOTOR -4 MAIN POLES; 4 INTERPOLES. GENERATOR 4 POLES; EXCITER -2 POLES 4.35 AMPS. SAME AS -211304 EXCEPT FOR MOTOR SUPPLY.	CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	CBP- 211318		QBE-5 MOTOR GENERATOR UNIT CONSIST OF D.C. MOTOR RATED 77-154V DC., 1 HP, 12.7-6.3 AMPS, 1800 RPM & AC. GENERATOR RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES, 550 VA, 3.9 AMPS, 854 P.F.
8/9/44 6310-S1A CAY:46-J-530 OCT. 44 SUB 1			CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	9/11/44 (CBM)562DF (CBM)60356 OCT. 44 ALT 1		
CAY- 211306		NXsr-53331 MAGNETIC CONTROLLER; RATED 230V DC 5 HP. HAS AUTOMATIC RESET. WITH BUILT-IN START-STOP PUSHBUTTON STATION. DRIP PROOF. HEATER STYLE #1265725.	CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	CBP- 211319		QBE-5 MOTOR GENERATOR UNIT CONSISTS OF D.C. MOTOR RATED 153 TO 307V DC, 6.3-3.2 AMPS, 1 HP, 1800 RPM AND AC GENERATOR RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES, 550 VA, 3.9 AMPS, 854 P.F. SAME AS -211318 EXCEPT FOR D.C. MOTOR.
8/9/44 6310-S1A CAY:46-J-530 OCT. 44 SUB 1			CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	9/11/44 (CBM)562DG (CBM)60356 OCT. 44 ALT 1		
CAY- 211307		NXsr-53394 MAGNETIC CONTROLLER; RATED 115V DC, 10 AMP, 1 HP. DRIPPROOF. 50°C AMBIENT TEMP. HI SHOCK, TYPE A IN- SULATION. THERMAL OVERLOAD AND LOW VOLT- AGE PROTECTION. SIMILAR TO NAVY TYPE -211142 EXCEPT RATED AT 1 HP INSTEAD OF 3/4 HP. AUTOMATIC OVERLOAD RESET. 8/9/44 6311-S1A OCT. 44	CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	CBP- 211319		QBE-5 MOTOR GENERATOR UNIT CONSISTS OF D.C. MOTOR RATED 153 TO 307V DC, 6.3-3.2 AMPS, 1 HP, 1800 RPM AND AC GENERATOR RATED 115 VOLTS, SINGLE PHASE, 60 CYCLES, 550 VA, 3.9 AMPS, 854 P.F. SAME AS -211318 EXCEPT FOR D.C. MOTOR.
8/9/44 6311-S1A OCT. 44			CFT- 211313		DBF FREQUENCY CONVERTER; ROTARY 60-400 CYCLE CONVERTER - 115V 10 60- TO 115V 10 400-. MOTOR GENERATOR SET OF PERMANENT MAGNET TYPE, USING NO BRUSHES OR SLIP RINGS. INCLUDES SELENIUM RECTIFIER AND FILTERING CIRCUIT TO PRO- VIDE DC FOR OPERATION OF GONIOMETER 8/24/44 RF-3644-3 FEB. 45 ISS A	9/11/44 (CBM)562DG (CBM)60356 OCT. 44 ALT 1		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAY- 211320 QBE-5
MAGNETIC CONTROLLER
RATED 1 HP, 115 VOLTS D.C. HI-SHOCK,
DRIPPROOF, NON-REVERSING. SAME AS
-211292 EXCEPT FOR H.P.

9/11/44 (CBM)979G
OCT. 44

CAY- 211321 QBE-5
MAGNETIC CONTROLLER
RATED 1 HP, 230 VOLTS ± 33 1/3% DC. HI-
SHOCK, DRIPPROOF, NON-REVERSING. SAME AS
-211320 EXCEPT FOR VOLTAGE RATING.

9/11/44 (CBM)979H
OCT. 44

COL- 211322 TCZ-1
MOTOR GENERATOR-RECTIFIER
CONSISTS OF 2 MERCURY VAPOR RECTIFIER
SYSTEMS, AND ONE MOTOR-GENERATOR SET TO
GETHER WITH ASSOCIATED CONTROL RELAYS,
MOUNTED IN SINGLE STEEL CABINET. INPUT:
115/160, 7.1 AMPERES, 650 WATTS. OUTPUT:
14/28 VOLTS DC, 1.2/28 AMPS, 16.8/280
9/12/44 413D-3 K1082C
OCT. 44

COL- 211322
WATTS. DRY DISC 115 VOLTS DC, 0.5 AMPS,
34.5 WATTS; TUBES 400/1150 VOLTS, 0.3/
0.275 AMPS, 120/316 WATTS; SIMILAR TO
-211101 EXCEPT FOR CHANGES IN SWITCHES
AND TUBE SOCKETS.

CDA- 211323 MK 20 MOD 1
MOTOR, AC
CONTINUOUS DUTY, SINGLE PHASE, PERMANENT
SPLIT CAPACITOR TYPE INDUCTION MOTOR.
RATED 1/100 HP, 115 VOLTS AC, 0.26 AMPS
MAX, 400 CPS., 7200 RPM.

9/13/44 FBF24-1 (CW)RS-5883 ISS 1
OCT. 44 LIST 01

CM- 211324 MK 8 MOD 3
MAGNETIC CONTROLLER
CONTAINS 3 PHASE CONTACTOR FOR 440 V AC
FOR CONTROLLING ANTENNA SCAN MOTOR AND
ASSOCIATED FUSES, OVERLOAD RELAYS AND
RESET KEYS. FUSES RATED AT 10 AMPERES;
HEATERS AT 1.54 AMPERES (440 VOLTS).
3/4 H.P.
9/15/44 D-152646 BX-50086
MAR. 45 ISSUE 1

CAY- 211325 SR 17C17
MAGNETIC CONTROLLER
RATED 230V DC, 76 AMPS, 20 HP. SEMI-
AUTOMATIC, LOW VOLTAGE AND OVERLOAD PRO-
TECTION. 50° AMBIENT CONTINUOUS DUTY.
DRIPPROOF ENCLOSURE, HI SHOCK, CLASS "A"
INSULATION. SIMILAR TO -211187 EXCEPT
AUTOMATIC RESET, LOCAL "START" "STOP"
9/25/44 (CAY)45-J-463
OCT. 44 SUB 3

CAY- 211325
INCREASED SIZE AND OTHER MINOR CHANGES.

CAY- 211326 SR
MOTOR GENERATOR SET
INPUT 230V DC, 76 AMPS OUTPUT 115/160.
CONSISTS OF BEDPLATE ACCESSORIES ONE
CAY-211327 DC MOTOR, ONE CAY-211328 AC
GENERATOR, ONE CAY-211329 DC GENERATOR.
SIMILAR TO -211188.

9/25/44 45-J-971
OCT. 44 SUB 1

CAY- 211327 SR RE8911B
DC MOTOR
RATED 230V DC, 76 AMPS, 20 HP, 1800 RPM.
50° AMBIENT, 40° C RISE, CONTINUOUS
DUTY. SHUNT WOUND, 4 POLES, 4 INTERPOLES.
SIMILAR TO -211189 EXCEPT SPEED RE-
GULATOR, RF FILTERS AND OTHER MINOR
CHANGES.
9/25/44 SK (CAY)45-J-968
OCT. 44 ALT 0

CAY- 211328 SR RE8911B
AC GENERATOR
RATED 115/160, 108.5 AMPS, 10 KW, 80% PF
1800 RPM, SEP EXCITED 125V DC, 8 AMPS.
50° AMBIENT, 40° C TEMP RISE CONTINUOUS
DUTY. SIMILAR TO -211184 EXCEPT FOR
ADDITION OF RF FILTER, BRUSH STOPS AND
OTHER MINOR CHANGES.
9/25/44 G (CAY)45-J-966
MAR. 45 ALT 0

CAY- 211329 SR RE8911B
DC GENERATOR
RATED 115V DC, 8 AMPS, 0.92 KW, 1800 RPM
SELF EXCITED, 50° AMBIENT, 40° C TEMP
RISE, CONTINUOUS DUTY. SHUNT WOUND, 4
POLES, 2 INTERPOLES.

9/25/44 SK
OCT. 44

COL- 211330 TCS-12
DYNAMOTOR ASSEMBLY
INPUT: 12/24 VOLTS DC 18/10 AMPS. OUTPUT
12/225/400V DC 4.2/0.105/0.20 AMPS DC.
PROVIDES ALL PLATE, FILAMENT AND CONTROL
POWER REQUIRED FOR TCS EQUIPMENT. IN-
CLUDES TYPE CWD-211331 DYNAMOTOR UNIT.

9/26/44 416T-9 500920500C
OCT. 44

COL- 211330-A TCS-12
DYNAMOTOR ASSEMBLY
INPUT: 12/24 VOLTS DC AT 20/10 AMP.
OUTPUT: 12/225/400V DC AT 4.2/0.105/0.2
AMPS. PROVIDES ALL PLATE FILAMENT AND
CONTROL POWER REQUIRED FOR TCS EQUIP-
MENT. INCLUDES -211331 DYNAMOTOR. SAME
AS -211330 EXCEPT RF FILTER HAS BEEN
2/17/45 416T-9A 500920500C
MAR. 45

COL-211330-A
ADDED ON THE INPUT SIDE.

CKP- 211330-B TCS-15
DYNAMOTOR ASSEMBLY
INPUT: 12/24V DC AT 20/10 AMPS. OUTPUT:
12/225/400V DC AT 4.2/0.100/0.2 AMPS.
PROVIDES ALL PLATE, FILAMENT AND CONTROL
POWER REQUIRED FOR TCS EQUIPMENT. IN-
CLUDES TYPE CAEN-211331-A DYNAMOTOR
UNIT. INCLUDES R.F. FILTER ON THE INPUT
5/9/45 COL:500 9025 00C
JUN. 45

CKP- 211330-B
SIDE. SAME AS TYPE -211331-A EXCEPT FOR
DYNAMOTOR UNIT USED IN ASSEMBLY.

CWD- 211331 TCS-12
DYNAMOTOR UNIT
INPUT: 12/24 VOLTS DC AT 18/10 AMPS.
OUTPUT: 12/225/400 VOLTS DC AT 4.2/0.105/0.20
0.20 AMPS D.C. TEMPERATURE RISE NOT TO EXCEED
50° C ABOVE 50° C AMBIENT FOR CON-
TINUOUS OPERATION. UNIT IS TOTALLY EN-
CLOSED. 4000 MAX RPM-SHUNT WOUND.
9/26/44 50S55S155 (COL)231000900
OCT. 44

CAEN-211331-A TCS-15
DYNAMOTOR UNIT
INPUT: 12/24V DC AT 18/10 AMPS. OUTPUT
12/225/400 VOLTS DC AT 4.2/0.105/0.20
AMPS DC. TEMPERATURE RISE NOT TO EXCEED
50° C AMBIENT FOR CONTINUOUS OPERATION.
UNIT IS TOTALLY ENCLOSED. 4000 MAX. RPM.
SHUNT WOUND. SAME ELECTRICALLY AND ME-
5/9/45 COL:231 0009 00
JUN. 45

CAEN- 211331-A
MECHANICALLY AS -211331 EXCEPT FOR MINOR
MODIFICATIONS.

CBP- 211332 QCU-1
MOTOR GENERATOR UNIT
INPUT 105/130 V DC. OUTPUT 115/160±1.
RATED 2.22 KVA AT 0.9 P.F. 1800 RPM.
CROSS COMPOUND WINDING, SELF-EXCITED.
CONTINUOUS DUTY; 50° AMBIENT.

*CBP-8432 (CRY)W-307401-12
9/26/44 Y-52/Y52 SUB 1
MAR. 45

CAY- 211333 *SEE BELOW 17-C-17
MAGNETIC CONTROLLER
RATED 1 3/4 HP. MAXIMUM, 115V DC (SIZE
1A) RESISTOR TYPE PROVIDING LOW VOLTAGE
AND OVERLOAD PROTECTION. CLASS "A" IN-
SULATION, HI-SHOCK, IN DRIP-PROOF EN-
CLOSURE. AMBIENT TEMPERATURE 50° C MAX-
*FOR GENERAL RADIO USE
9/28/44 6311-S1A (CAY)46-J-521
DEC. 44 SUB 1

CAY- 211333
115V. SEMI-AUTOMATIC. CURRENT RATING 18
AMPS. HEATER NO-1265724.

CCL- 211334 *SEE BELOW RE-8911-B
D.C. GENERATOR
RATED 27 VOLTS DC, 9.3 AMPS., 0.25 KW.
COMPOUND WOUND, SELF-EXCITED. SPEED 1750
RPM. MAXIMUM TEMPERATURE RISE 40° C OVER
50° C AMBIENT FOR CONTINUOUS OPERATION.
TWO MAIN POLES. BALL BEARING TYPE; 2
*FOR GENERAL RADAR USE
10/2/44 DC-82-A CCL:7F4933
OCT. 44 CHANGE 1

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CCL-211334		BEARINGS, DRIPPROOF, ELECTRICALLY INTERCHANGEABLE AND SIMILAR TO TYPE -211016 EXCEPT IT INCLUDES TYPE -53206 FILTER UNIT, HAS DIFFERENT END BELLS, AND OTHER SLIGHT MODIFICATIONS.	CC-211340	TBK-19	MOTOR GENERATOR SET SUPPLY: 230V DC. CONSISTS OF A TYPE -211339 DC MOTOR, A TYPE -211288 HV DC GENERATOR AND A TYPE -211289 LV AND BIAS DC GENERATOR.	CC-211345		5.2 AMPS. EXCITED BY CONNECTING GENERATOR FIELD ACROSS THE DC FEEDER. AMBIENT TEMPERATURE -30°C TO +50°C MAXIMUM TEMPERATURE RISE 40°C. IN DRIP-PROOF ENCLOSURE. SELF-VENTILATED.
CCL-211335	*SEE BELOW	RF 8911-B AC MOTOR RATED 115/230/1760, 9.4/4.7 AMPS, 3/4 HP 1750 RPM, 40°C MAXIMUM TEMPERATURE RISE OVER 60°C AMBIENT FOR CONTINUOUS OPERATION. REPULSION START INDUCTION RUN, DRIPPROOF, ELECTRICALLY INTERCHANGEABLE *FOR GENERAL RADAR USE 10/3/44 RS858 OCT. 44	CAIZ-211341	QGC/QCD	17M17 DC MOTOR SHUNT WOUND MOTOR RATED 230V, 1.2 AMPS, 1/4 HP, 1725 RPM, 2 MAIN POLES 50°C AMBIENT, CONTINUOUS DUTY, DRIPPROOF ENCLOSURE SELF-VENTILATED, CLASS "A" INSULATION, 2 BALL BEARING TYPE, SEPARATELY EXCITED 230V DC, MAX TEMP. RISE AT 10/11/44 DS OCT. 44 (CBM873-601) ALI 9	CARB-211346	AN/TPS-1B	A.C. MOTOR RATED 115/1400 0.27 AMP, 7200 RPM, 1/100 HP, CONTINUOUS DUTY, SPLIT CAPACITOR TYPE, TOTALLY ENCLOSED, INTEGRALLY FAN COOLED, TWO BALL BEARINGS. 10/19/44 JSIE NOV. 44
CCL-211335		SEE BELOW RF 8911-B AC MOTOR RATED 115/230/1760, 9.4/4.7 AMPS, 3/4 HP 1750 RPM, 40°C MAXIMUM TEMPERATURE RISE OVER 60°C AMBIENT FOR CONTINUOUS OPERATION. REPULSION START INDUCTION RUN, DRIPPROOF, ELECTRICALLY INTERCHANGEABLE *FOR GENERAL RADAR USE 10/3/44 RS858 OCT. 44	CG-211341		FULL LOAD 23.5°C. LINE CURRENT, ARMATURE, NO LOAD, HOT AT 230V DC, 0.277 AMPS. SHUNT FIELD CURRENT, NO LOAD, HOT AT 230V DC, 0.0974 AMPS.	CAPX-211347	*SEE BELOW	MOTOR GENERATOR UNIT 2 BEARING TYPE; CONSISTS OF (1) LAP WOUND MOTOR RATED 115V DC, 17 AMPS, 1800 RPM, 1.75 HP, WITH 4 MAIN AND 4 INTERPOLES; (2) AC LAP WOUND GENERATOR RATED 115/1760, 1.0 KVA, 0.85 PF, 9 AMPS, 25% (NX37-67999) GENERAL RADIO USE 10/19/44 NOV. 44
CCL-211336	FOR GEN. RADAR USE	MOTOR-GENERATOR SET CONSISTS OF ONE NAVY TYPE CCL-211334 DC GENERATOR AND ONE NAVY TYPE CCL-211335 AC MOTOR, INCLUDING 2 NAVY TYPE CCL-53206 FILTER UNITS, ELECTRICALLY INTERCHANGEABLE WITH AND SIMILAR TO NAVY TYPE CCL-211018 MOTOR GENERATOR SET. 10/3/44 B284 OCT. 44	CARB-211342	AN/TPS-1B	AC MOTOR RATED 105-125/1400 5400 RPM, 1/15 HP ENCLOSED, PERMANENT SPLIT CAPACITOR TYPE CONTINUOUS DUTY, INDUCTION TYPE, REQUIRES BUT DOES NOT INCLUDE A TYPE -482373 CAPACITOR FOR OPERATION. *FIG 1, ISS 2 10/12/44 J72 OCT. 44	CAPX-211347	*SEE BELOW	MOTOR GENERATOR UNIT 2 BEARING TYPE; CONSISTS OF (1) LAP WOUND MOTOR RATED 115V DC, 17 AMPS, 1800 RPM, 1.75 HP, WITH 4 MAIN AND 4 INTERPOLES; (2) AC LAP WOUND GENERATOR RATED 115/1760, 1.0 KVA, 0.85 PF, 9 AMPS, 25% (NX37-67999) GENERAL RADIO USE 10/19/44 NOV. 44
CCL-211337	*SEE BELOW	RE-8911-B SHUNT MOTOR 3/4 HP, 115 VOLTS DC, 6.3 AMPS, 1750 RPM SHUNT WOUND, MAXIMUM TEMPERATURE RISE 40°C OVER 50° C AMBIENT FOR CONTINUOUS OPERATION. TWO POLES WITH ONE INTERPOLE. BALL BEARING TYPE WITH 2 BEARINGS, DRIP *FOR GENERAL RADAR USE 10/3/44 DN91A OCT. 44	CG-211343	SK-3	GEAR REDUCTION UNIT CONSISTS OF A 250V DC MOTOR, RATED 3/4 HP, 1200 RPM, WITH GEARS FOR REDUCTION OF SPEED TO 33 RPM, HAS COMPENSATED ALNICO FIELD WINDING, CONTINUOUS DUTY, AMBIENT TEMP. -40 TO +50°C. IS SEMI-ENCLOSED WITH SCREENS. FULL LOAD CURRENT 10/16/44 588Y77A86 OCT. 44	CAY-211348	*SEE BELOW	MAGNETIC CONTROLLER RATED 115 VOLTS DC, 17 AMPS, 1.75 HP, DRIP-PROOF, 50°C AMBIENT TEMPERATURE, HI SHOCK TYPE "A" INSULATION, THERMAL OVERLOAD AND LOW VOLTAGE PROTECTION, AUTOMATIC OVERLOAD RESET, SAME AS TYPE *(NX37-67999) GENERAL RADIO USE 10/19/44 NOV. 44
CCL-211337		PROOF, ELECTRICALLY INTERCHANGEABLE WITH AND SIMILAR TO NAVY TYPE CCL-211015 SHUNT MOTOR EXCEPT IT INCLUDES ONE NAVY TYPE CCL-53206 FILTER UNIT HAS DIFFERENT END BELLS, AND OTHER SLIGHT MODIFICATIONS.	CG-211343		RATING IS 2.75 AMPS. WEIGHT APPROX. 225 LBS.	CAY-211348		-211307 EXCEPT FOR HP RATING.
CCL-211338	FOR GEN. RADAR USE	MOTOR-GENERATOR SET CONSISTS OF ONE NAVY TYPE CCL-211334 DC GENERATOR AND ONE NAVY TYPE CCL-211337 SHUNT MOTOR, INCLUDING 2 NAVY TYPE CCL-53206 FILTER UNITS, ELECTRICALLY INTERCHANGEABLE WITH AND SIMILAR TO NAVY TYPE CCL-211014 MOTOR GENERATOR SET. 10/3/44 B285 OCT. 44	CHP-211344	OCB	AC TIMING MOTOR RATED 115 VOLTS, 60 CYCLES 7.2 WATTS, 1/2 RPM; TORQUE 20 IN OZ. CONTINUOUS DUTY OVER TEMP. RANGE OF -35° TO +50°C. TOTALLY ENCLOSED. *(CML)03031, ISS. 4 (CHP)3087, REV 0 10/17/44 2200 OCT. 44 DOUBLE	CG-211349	OCU-1	17C17 MAGNETIC CONTROLLER RATED 105/130 VOLTS, 32/26 AMPS DC, 4.0 HP, 50°C AMBIENT TEMP. CLASS 4 INSULATION, DRIP-PROOF ENCLOSURE. 10/20/44 CR5230-B42H MAR. 45
CC-211339	TBK-19	DC MOTOR RATED 5 HP, 230V DC, 19.4 AMPS, 1760 RPM, CONTINUOUS DUTY, 40°C TEMP. RISE, DRIPPROOF, CLASS "A" INSULATION, HAS SLIP RINGS FOR 160/1760, 1.9 AMPS, 0.30 KW. 10/5/44 D254RX OCT. 44	CC-211345	QBE-1a	MOTOR GENERATOR UNIT CONSISTS OF COMPOUND WOUND MOTOR, TYPE D-224, RATED 1 HP, 115V DC, 9 AMPS, 1 KW, 1800 RPM, WITH INTERPOLES AND CENTRIFUGAL SHAFT GOVERNOR, AND AN AC SELF-EXCITED GENERATOR, TYPE DS-224 RATED 600 VA AT 80% PF, 1800 RPM, 115/1760, 10/18/44 (CBM)816C NOV. 44	COE-211350	AN/TPS-1B	D.C. MOTOR RATED 1/20 HP, 22-28V DC, 1750 RPM, ENCLOSED, SHUNT WOUND, CONTINUOUS DUTY, SINGLE SEAL TYPE BALL BEARINGS, WEIGHT, 6 LBS. FLANGE ON BOTTOM. 10/23/44 D-31420 NOV. 44

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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CDA-211351	AN/TPS-1B	D.C. MOTOR RATED 1/100 HP, 27V DC, 1750 RPM. TOTALLY ENCLOSED. COMPOUND WOUND, CONTINUOUS DUTY. ADJUSTABLE SPEED REGULATOR TO REGULATE SPEED TO 1750 ± 90 RPM. BALL BEARING, ARRANGED FOR END SHIELD MOUNTING. 10/23/44 FDE-53-6 (CW)KS-15057-01 NOV. 44 ISS. 1 APP. 1	CG-211356-A	FOR GEN. RADAR USE RE9597	SYNCHRO GEAR TRAIN UNIT CONSISTS OF A CASTING ON WHICH ARE MOUNTED THE SYNCHROS, SERVO MOTORS, GEARS, DIALS, STOWING DEVICES & MISCELLANEOUS COMPONENTS. SERVO MOTORS DRIVE ASSOCIATED SYNCHROS THROUGH GEAR TRAINS. OUTPUTS OF THE 2 SERVO MOTORS ALSO ARE 11/14/44 W-8677272G1 DEC. 44	CJO 211359	CONTINUOUS DUTY WITH MAX. TEMP. RISE OF 25°C IN ANY AMBIENT BETWEEN 10° AND 40°C. FULL LOAD CURRENT 1.7 AMP MAX. WEIGHT 2 LBS.	
CARL-211352	QJB	SERVO MOTOR RATED: 115 VOLTS AC, 60 CPS, 12.5 WATTS. CONSISTS OF TOTALLY ENCLOSED FRAME CONTAINING A 2 PHASE STATOR A SQUIRREL CAGE MOTOR, AND REDUCTION GEARS WHICH REDUCE SPEED OF SHAFT TO 27 RPM. STALLED TORQUE AT ROOM TEMPERATURES SHALL BE 100 OUNCE- 10/26/44 M624A (CW)KS-15047-01 NOV. 44 ISS. 1 APP. 1	CG-211356-A	COMBINED BY A MECHANICAL DIFFERENTIAL TO POSITION THE ROTORS OF TWO DG SYNCHROS. USED IN TYPE -50203-A DG SYNCHRO AMPLIFIER. SAME AS -211356 EXCEPT FOR COMPONENTS.		CG-211360	SK-3 MOTOR-DYNAHO AMPLIFIER UNIT: RATED INPUT 1 1/2 HP, 115V AC, 16 AMPS, 1 PHASE, 60 CYCLES. OUTPUT RATED 750 WATTS, 0 TO 125V DC, 3 AMPS, 50°C AMBIENT, 3450 RPM, DRIPPROOF. 11/11/44 K-7106722 W-7475132 DEC. 44 PT 1, REV 0	
CARL-211352		INCHES MINIMUM. MOTOR ROTATES IN A COUNTERCLOCKWISE DIRECTION FACING OUTPUT COUPLING. APPROX. WEIGHT 2 1/4 POUNDS.	CM-211357	★ SEE BELOW RE9597	SYNCHRO GEAR TRAIN UNIT CONSISTS OF A CASTING ON WHICH ARE MOUNTED THE SYNCHROS, SERVO MOTOR, GEARS, DIALS, STOWING DEVICE & MISCELLANEOUS COMPONENTS. SERVO MOTOR DRIVES ROTORS OF VARIOUS SYNCHROS THROUGH A GEAR TRAIN. ★ FOR GENERAL RADAR USE. 11/6/44 NOV. 44	CHP-211361	LS-101/GR TUNING MOTOR ASSEMBLY: SYNCHRONOUS, 115V, 60 CYCLES, 2.2 WATTS INPUT. 2 RPM. CMU TYPE BZ-RW-13 SWITCHES. SWITCH #1 AND #2 OPEN FOR 15 SECONDS; THEN SWITCH #1 AND #2 CLOSED FOR 2 SECONDS. THE 11/15/44 3112 CIJ:PMK-5/4A-85 DEC. 44 REV. B	
CGQ-211353	EJ-7	DYNAMOTOR ASSEMBLY INPUT: 12.6 VOLTS DC AT 7.3 AMPS; OUTPUT: 500 TO 550 VOLTS DC AT 0.085 AMPS MAX; 12.6 VOLTS DC, 2.0 AMPS MAX; 5200 RPM. SIMILAR TO CG-21399 EXCEPT FOR VOLTAGE REGULATION. INCLUDES GENERAL ELECTRIC MODEL 50Y83AB81 MOTOR. 10/26/44 D-SA-10104 NOV. 44	CM-211357	USED IN TYPE -50202 DG SYNCHRO AMPLIFIER.		CHP-211361	CYCLE IS THEN REPEATED.	
CGQ-211354	EAP	DYNAMOTOR - FILTER UNIT INPUT: 12V DC AT 2.2 AMPS. OUTPUT: -6, -15, -1.4 OR -3.0, +90 OR +135V DC. 4000 RPM. HAS NO. SP-125 PIONEER DYNA-MOTOR. SIMILAR TO -211203 BUT PROVIDES ADDITIONAL 1.4 VOLT DC OUTPUT. 11/1/44 NOV. 44	CG-211357-A	FOR GEN RADAR USE RE9597	SYNCHRO GEAR TRAIN UNIT CONSISTS OF A CASTING ON WHICH ARE MOUNTED THE SYNCHROS, SERVO MOTOR, GEARS, DIALS, STOWING DEVICE & MISCELLANEOUS COMPONENTS. SERVO MOTOR DRIVES ROTORS OF VARIOUS SYNCHROS THROUGH A GEAR TRAIN. USED IN TYPE -50202-A DG SYNCHRO AMPLIFIER. SAME AS -211357 EXCEPT FOR COMPONENTS. 11/14/44 W-8677274G1 DEC. 44	CM-211362	AN/TPS-1B GENERATOR, SYNCHRO: WOUND SINGLE-PHASE ROTOR (PRIMARY) AND A WOUND SYMMETRICAL 3-PHASE STATOR (SECONDARY). PRIMARY RATED 400+75-45 CYCLES, 115±4 VOLTS AC 40 WATTS, 2.7 AMPS 225 RPM, SECONDARY RATED 90 VOLTS APPROXIMATELY. AMBIENT TEMPERATURES -40C 11/16/44 CAL-14880 CM:KS-5950 DEC. 44 LIST 01 ISS. 2	
CAY-211355	MFA	17C17 MAGNETIC CONTROLLER RATED 175 TO 345V DC, 38-28 AMPS, 7 HP. DRIPPROOF. 0° TO 50°C AMBIENT, 50°C TEMP RISE. CONTINUOUS DUTY. LOW VOLTAGE AND OVERLOAD PROTECTION. HI SHOCK. CLASS A INSULATION. 11/2/44 CAY:6310 SPECIAL CB:50427 MAR. 45 CB:979F ALT 0	CG-211357-A			CM-211362	(-40F) TO +50C(+122F) IN RELATIVE HUMIDITY UP TO 95%. TOTALLY ENCLOSED FRAME, WITH BREATHER HOLES. FLANGE MOUNTED.	
CM-211356		★ SEE BELOW RE9597	CAJO 211358	TBL-8	MOTOR, BLOWER RATED 1/70 HP, 0.12 AMPS., 230/250V DC, 2850 RPM, COUNTERCLOCKWISE ROTATION. 11/7/44 CAJO-22900 CRV:P-720579-10 NOV. 44 TYPE 32 SUB 15	CM-211363	AN/TPS-1B MOTOR, SYNCHRO: WOUND SINGLE PHASE ROTOR (PRIMARY) AND A WOUND SYMMETRICAL 3-PHASE STATOR (SECONDARY). PRIMARY RATED 400+100-20 CYCLES, 115±11.5 VOLTS AC, 24 WATTS, 2.7 AMPS, 300 RPM, SECONDARY RATED 90 VOLTS., APPROX. AMBIENT TEMPERATURE -40C(-40F) 11/16/44 CAL-27410 CW:KS-15060 DEC. 44 TYPEHSF LIST 01 ISS. 1	
CM-211356		THE 2 SERVO MOTORS ALSO AN COMBINED BY A MECHANICAL DIFFERENTIAL TO POSITION THE ROTORS OF TWO DG SYNCHROS. USED IN TYPE -50203 DG SYNCHRO AMPLIFIER.	CJO 211359	MARK 20 MOD 1	D.C. MOTOR RATED 1/50 H.P., 27 VOLTS (25 TO 28.5) DC, 3500 RPM, SHUNT-WOUND, 4-WIRE REVERSIBLE, TOTALLY ENCLOSED, SELF-VENTILATED 2 BALL BEARINGS, LUBRICATED WITH ANDOK C LUBRICANT, WILL WITHSTAND SPEED OF 10,000 RPM FOR A MINIMUM OF 15 MINUTES. 11/11/44 CJO:DEST-9-1R CW:KS-15109, NOV. 44 CM:KS-15109-01 FIG. 1, ISS.	CM-211363	TO +80C (+176F) IN RELATIVE HUMIDITY UP TO 95%. TOTALLY ENCLOSED FRAME, WITH BREATHER HOLES, FLANGE MOUNTED.	

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CARU-211364AN/URA-T2			CJM-211369			CG-211374		
MOTOR: RATED 1/225 HP; FULL LOAD RATINGS: 1620 RPM, 21 WATTS, 0.28 AMPS, NO LOAD RATING: 1760 RPM, 17 WATTS, 0.23 AMP. CLOCKWISE ROTATION, FACING SHAFT. 110 VOLTS, 60 CYCLES.			AND HAS RATED SPEED OF 3600 RPM IN COUNTER CLOCKWISE DIRECTION WHEN VIEWED FROM COMMUTATOR END.			HEATER #81D345 RATED AT 25.9 AMPERES.		
11/17/44 EGASX DEC. 44		CKV:A-14221-1						
CG-211365 QGA		17R17	CAFF-211370 OBC			CG-211375		XTDZ & TDZ 17C17
TRAINING MOTOR: RATED 230V DC, 1.2 AMPS FULL LOAD, 1750 GEARED DOWN TO 23.5 RPM, 1/4 HP. SHUNT WOUND, CLASS "A" INSULATION, 50°C AMBIENT. HAS 2 MAIN POLES AND 2 INTERPOLES.			BLOWER MOTOR: SHADED POLE INDUCTION, OPEN VENTILATED CONTINUOUS DUTY MOTOR RATED 115/1/60 ±3% CYCLES, 0.36 AMPS 25 WATTS 1600 RPM 0.004 HP. OPERATES OVER RANGE OF 105 TO 125 VOLTS IN AMBIENT TEMPERATURE OF *CW:KS-5964L-01 ISSUE 2 APP 1			MAGNETIC CONTROLLER: AMENDMENT 2 RATED 3.0 HP MAX. 230V DC, SIZE 1 SEMI-AUTOMATIC, MOTOR STARTING, RESISTOR TYPE FOR CONTINUOUS DUTY. HAS LOW VOLTAGE RELEASE AND OVERLOAD PROTECTION. CLASS A INSULATION, DRIPPROOF ENCLOSURE. AMBIENT TEMPERATURE 40°C OR 50°C. USES 11/29/44 CR5230-B41H		17C17
11/20/44 5BC46A8888 DEC. 44 CBM:957-156		CG:WM-8118552 ALT 3	11/27/44 3567 DEC. 44 *SEE ABOVE		CW:KS-5964 FIG 1 ISS. 5	MAR. 45		
CFH-211366 DBM			CAFF-211370			CG-211375		
ANTENNA DRIVE UNIT INPUT 115/1/60. CONSISTS OF AN ANTENNA DRIVE MOTOR, A 5 G SYNCHRO, HOUSING FOR DRIVE ASSEMBLY AND ANTENNA HOUSING.			-20°C TO +75°C AND IN RELATIVE HUMIDITY UP TO 95% AT 30°C. TEMPERATURE RISE OF MOTOR WINDING NOT TO EXCEED 40°C. TWO BEARING TYPE, SLEEVE BEARINGS OF SELF-ALIGNING, OIL IMPREGNATED TYPE. CLOCKWISE ROTATION. WHEN VIEWING END OPPOSITE SHAFT.			HEATER #81D339 RATED 13.4 AMPS.		
11/21/44 M 4100 DEC. 44		M4108-C44 REV 0						
CDA-211367 SR-2			CARB-211371			CG-211376		
MOTOR ASSEMBLY: CONSISTS OF ANTENNA DRIVE MOTOR RATED 300±10% 2Φ 60 CYCLES, 4 POLE, AND A BLOWER MOTOR RATED 115/1/60. A CAPACITOR NOT INCLUDED IN TYPE NUMBER IS NECESSARY FOR OPERATION OF BLOWER MOTOR. INPUT CURRENT DRIVE MOTOR 4 AMP, 1 HP, 1000			XTDZ & TDZ 17R10			MK 34 MOD 3 & 4		
11/21/44 Z-163-BW MAR. 45		CRV:1-617902 SUB 6	MOTOR, AC SERVICE B RATING 115V, 50/60 CYCLES, 1 PHASE; INPUT CURRENT AT 110V, 60 CYCLES APPROX. 0.14 AMPS, AT 110V, 60 CYCLES APPROX. 0.12 AMPS; 2580/3100 RPM CONTINUOUS ROTATION CW FACING TERMINAL END. STARTING TORQUE 0.8 IN OZ. MIN. FULL LOAD OUTPUT 11/27/44 J49C			CONTROLLER (MAGNETIC) MK3 MOD 0 RATED 3/4 HP, 440/5/50, CONSISTS OF 3 POLE MAGNETIC CONTACTOR PROVIDED WITH LINE FUSES, OVERLOAD RELAYS AND SPARE FUSES, DRIP PROOF HOUSING, CONTROLS 440 VOLTS FOR ANTENNA SCAN MOTOR. *BX-50504 ISS 7 BX-25547 ISS 1 12/13/44 D-165056		
			FEB. 45		CG:M-7473795 PT 1 REV 4	FEB. 45		
			CGA-211367			CDA-211377		
			RPM, BLOWER MOTOR 1 AMP, 1/20 HP, 3450 RPM.			SA-3		
			NOT INCLUDED IN THIS TYPE NO. FOR OPERATION.			AC MOTOR LOW INERTIA TYPE RATED 75 ± 10% VOLTS, 2 PHASE, 60 CYCLES, 2 POLE, INCLUDES BLOWER WHICH OPERATES ON 115 ± 10% VOLTS 1 PHASE, 60 CYCLES AND A THERMOSTAT FOR OVERLOAD PROTECTION, MOUNTED IN ENCLOSED PEDASTAL FOR SHIPBOARD USE AND DESIGNED 12/16/44 2-D-894		
						CRVIT-617907 REV 2		
			CGA-211368			CGA-211377		
			(NOT INCLUDED IN TYPE NO) FOR OPERATION.			FOR OPERATION BETWEEN -30°C AND +50°C AMBIENT TEMPERATURE AND UP TO 95% HUMIDITY.		
			CGA-211368			CG-211378		
						SK-3		17 C 10
						MAGNETIC CONTROLLER RATED 19 KVA, 440/1/60, DRIPPROOF, CONTINUOUS DUTY, SEMI-AUTOMATIC, 40°C OR 50°C AMBIENT, HIGH SHOCK, CLASS A INSULATION, LOW VOLTAGE, SHORT CIRCUIT AND OVERLOAD PROTECTION.		
						12/19/44 CR5130-B29-H		CG:11K2905-AA
						JAN. 45		REV 0
			CJM-211369 OBC			CG-211379		
INVERTED CONVERTER: INPUT: 105 TO 125 DC VOLTS (115), 7.0 AMPS AT FULL LOAD, 2.3 AMPS NO LOAD. OUTPUT: 0.5 KVA, 0.85 POWER FACTOR, 110/1/60. TWO BEARING, DRIPPROOF CONSTRUCTION, EQUIPPED WITH BALL BEARINGS *CW:KS-5925L-01 ISSUE 1 APP 4			AND HAS RATED SPEED OF 3600 RPM IN COUNTER CLOCKWISE DIRECTION WHEN VIEWED FROM COMMUTATOR END.			MAGNETIC CONTROLLER: AMENDMENT 2 RATED 9.5 KVA, 220/1/60, DRIPPROOF, CONTINUOUS DUTY, SEMI-AUTOMATIC, 40°C OR 50°C AMBIENT, HIGH SHOCK, CLASS A INSULATION, LOW VOLTAGE, SHORT CIRCUIT AND OVERLOAD PROTECTION.		
11/21/44 KS-5823 DEC. 44 *SEE ABOVE		CW:KS-5823 FIG 1 ISS. 2				12/19/44 CR5130-B29H		CG:11K2905-AB
						JAN. 45		REV 0
			CG-211374			CG-211379		
			X-TDZ & TDZ 17C17			SK-3		17 C 10
			MAGNETIC CONTROLLER: RATED 3.0 HP MAX. 115V DC, SIZE 1, SEMI-AUTOMATIC, MOTOR STARTING, RESISTOR TYPE FOR CONTINUOUS DUTY. HAS LOW VOLTAGE RELEASE AND OVERLOAD PROTECTION. CLASS A INSULATION, DRIPPROOF ENCLOSURE. AMBIENT TEMPERATURE 40°C OR 50°C. USES 11/29/44 CR5230-B41H			MAGNETIC CONTROLLER RATED 9.5 KVA, 220/1/60, DRIPPROOF, CONTINUOUS DUTY, SEMI-AUTOMATIC, 40°C OR 50°C AMBIENT, HIGH SHOCK, CLASS A INSULATION, LOW VOLTAGE, SHORT CIRCUIT AND OVERLOAD PROTECTION.		
			MAR. 45			12/19/44 CR5130-B29H		CG:11K2905-AB
						JAN. 45		REV 0

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CG-211380 SK-3 17 C 10
MAGNETIC CONTROLLER
RATED 4.8 KVA, 115/1/60. DRIPPROOF. CONTINUOUS DUTY. SEMI-AUTOMATIC. 40°C OR 50°C AMBIENT. HIGH SHOCK. CLASS A INSULATION. LOW VOLTAGE. SHORT CIRCUIT AND OVERLOAD PROTECTION.
12/19/44 CR5130-B29H CG:11K2905-AC
JAN. 45 REV 0

CASH-211381 SO-7M & SO-7N
BLOWER MOTOR (FRACTIONAL HORSEPOWER TYPE) D.C.: RATED 0.01 HP, 24-28V DC, 0.75 AMPS, 7000 RPM (NO LOAD) 5,000 RPM (FULL LOAD) SERIES WOUND: 2 POLES, NO INTERPOLES. TEMP. RISE FOR CONTINUOUS OPERATION, 40°C AMBIENT TEMP (-30°C TO 70°C). LIFE EXPECTANCY 1000
12/21/44 CASN:10 CRP:115-5047
JAN. 45 REV 2

CASN-211381
HRS AT MAX TEMP.

CAIZ-211382 SO-7M & SO-7N 17-M-17
MOTOR, DC SERVICE C
RATED 115V DC, 1.3 AMPS, 1/8 HP, 1725 RPM. SHUNT WOUND WITH 115V ARMATURE, 115V FIELD, 2 POLES, NO INTERPOLES. AMBIENT TEMP, 40°C. NO LOAD SPEED: 1750-1970 RPM. DRIP PROOF. FIELD ARMATURE
*CRP:1115-5144 G1, REV 6, CRP:22 A1-W74
12/21/44 DS CAIZ:SS-10083
JUN. 45 REV 4 *

CAIZ-211382
LEADS BROUGHT OUT FOR REVERSIBLE ROTATION. TWO BALL BEARING.

CJO-211383 SF, SF-1
MOTOR, DC
115V, DC: 1/100 HP; 3350 R.P.M.: SHUNT WOUND; CONTINUOUS DUTY, REVERSIBLE TYPE; 2 POLES, NO INTERPOLES;

12/26/44 E-7-1 V1000 T-21
MAR. 45 ALT 0

CJO-211384 SF; SF-1
MOTOR, DC
115V DC: 1/50 HP; 1725 RPM; SHUNT WOUND; CONTINUOUS DUTY; REVERSIBLE TYPE; 2 POLES, NO INTERPOLES; 2 BRUSHES; IRON FRAME.

12/26/44 E-8-1 V1000T-20
MAR. 45 ALT 0

CBZ-211385 SF
MOTOR, DC
RATED 1/100 HP, 115V DC, 0.25 AMPS, 3350 RPM, SHUNT; 2 POLES. (NO INTERPOLES). MAX. TEMPERATURE RISE FOR CONTINUOUS OPERATION 40°C ABOVE AMBIENT OF 65°C; 2 BALL BEARINGS; CLOSED FRAME.

12/26/44 NS H 13
MAR. 45

CG-211386 SU, SU-1
MOTOR, DC
RATED 1/20 HP, 115V DC, 0.46 AMPS, 1800 RPM NO LOAD, 1725 RPM FULL LOAD. SEPARATELY EXCITED BY 24 VOLTS, 0.67 AMPS DC CONTINUOUS DUTY, REVERSIBLE WORM GEARED. SHUNT WOUND, 2 POLES, MANUAL CONTROL SPEED REGULATION, ONE BALL BEARING.
12/26/44 SBC26AC75A CBM:V974-2
FEB. 45 ALT 6

CG-211386
SEMI-ENCLOSED FRAME. AMBIENT TEMPS. 0-50°C, TEMP. RISE 40°C.

CAJ-211387 SU, SU-1
MOTOR, AC
INPUT 115/1/60, 11 WATTS, 58 RPM; GEARING REDUCING TYPE: REDUCTION RATIO 30 TO 1, CONTINUOUS DUTY, AMBIENT TEMP, 0-65°C. SQUIRREL CAGE WINDING, 2 POLES. GEAR REDUCER FRAME WITH OUTPUT SHAFT 9:00 OCLOCK FROM SHAFT END, TOTALLY
12/27/44 RMC-2510 CBM:972-36
FEB. 45 ALT 1

CAJ-211387
ENCLOSED BRONZE SLEEVE BEARINGS.

CG-211388 SS
ANTENNA DRIVE MOTOR
SHUNT WOUND, REVERSIBLE. RATED 3/4 H.P. AT 1140 R.P.M., ARMATURE RATED AT 200 VOLTS DC, 3.3 AMPS, FIELD SEPARATELY EXCITED AND RATED 250/125 V DC. 327.16 A. 2 POLE WITH 2 INTERPOLES. AMBIENT TEMP. 0°C TO 50°C FOR CONTINUOUS OPERATION.
12/28/44 CG:58C79A820 CG:P-8114739
MAR. 45 CW:AS-15112-LOI REV 1

CG-211388
TWO BEARING TYPE, BALL BEARINGS, SELF VENTILATING TYPE, DRIPPROOF, FOR CEILING MTC WITH SHAFT HORIZONTAL. SHAFT HAS SPECIAL TAPER AND KEY WAY, FITTED WITH A FLANGE ON ONE END WHICH MATES WITH A MORFLEX #302-CC FLEXIBLE COUPLING.

CG-211389 SY-1
MOTOR, DC
SHUNT WOUND, REVERSIBLE. RATED 1 1/2 HP AT 1725 RPM; ARMATURE RATED AT 200V DC, 6.6 AMPS; FIELD SEPARATELY EXCITED AND RATED AT 125 VOLTS, 0.32 AMP, 4 POLE, WITH 4 INTERPOLES. AMBIENT TEMP. 0°C TO +50°C FOR CONTINUOUS OPERATION. TWO
12/28/44 58C79AB18 CG:P-8114743
JAN. 45 CW:KS-15113-LOI REV 0

CG-211389
BEARING TYPE, BALL BEARINGS, SELF VENTILATING TYPE; DRIPPROOF; FOR CEILING MTC. WITH SHAFT HORIZONTAL. SHAFT HAS A SPECIAL TAPER AND KEY WAY AND IS FITTED WITH A FLANGE ON ONE END WHICH MATES WITH A MORFLEX #302-CC FLEXIBLE COUPLING.

COE-211390 SY
MOTOR, AC
RATED 1/20 HP 105 TO 125 VOLTS, 1 PHASE, 60 CYCLES ± 2%; SPLIT PHASE START, CONTINUOUS DUTY, ENCLOSED TYPE. EQUIPPED WITH DOUBLE-SEALED TYPE BALL BEARINGS PACKED WITH ANDOK "C" LUBRICANT. ROTATION COUNTER-CLOCKWISE VIEWING SHAFT
12/29/44 SP-44417 CW:KS-15149-02
JAN. 45 ISS 1, FIG 1

COE-211390
END, SHAFT TO HAVE FLAT 1 1/2" LONG AND 1/32" DEEP LOCATED 1/8" FROM END.

COE-211391 SR 17-M-17
MOTOR, DC
RATED 1/2 HP, 2.2 AMP, 250/300V DC, 3450 RPM, SEP. EXCITED 300V, 0.075 AMP, SHUNT WOUND, 2 POLES, 2 INTERPOLES. TEMPERATURE RISE 64°C CONTINUOUS ABOVE AMBIENT OF 60°C. WATERPROOF, SEALED BALL BEARING
1/1/45 COE:64224
JAN. 45 *SEE ABOVE COE:A-90388 8/24/44

COE-211391
ING, EQUIPPED WITH MAGNETIC BRAKE ELECTRICALLY OPERATED. DRIVE END ADAPTED FOR FLANGE MOUNTING. MEETS NAVY SPEC 17-M-17 EXCEPT FOR TEMP. RISE.

CNA-211392 UJ
MOTOR, AC:
RATED 115/1/60, 6 WATTS, 60 RPM, 2 POLES, TWO POLE SYNCHRONOUS TYPE, OPEN FRAME, NO COVER.

1/1/45 8C-60RPM CDU:DD-5100-A
JAN. 45

CATC-211393 -20341
BLOWER MOTOR ASSEMBLY-
EXHAUST FAN: RATED 85-110V AC, 50-60-10. 1550 RPM AT 110V AC.

1/3/45 A6897 CAG:R-189B-2
JAN. 45 CHGE. 8-2

CPAX-211394 EAQ
AC GENERATOR:
RATED 17.647 KVA, 15 KW, 1800 RPM, 85% 115/1/60, SELF EXCITED.

1/4/45 JCC-11 CAPP:NC-G-N14
JAN. 45 REV 2

CAO-211395 *SEE BELOW 17C17
MAGNETIC CONTROLLER:
RATED 1 HP, 115V DC, 10 AMPS, RESISTOR TYPE MOTOR STARTING; CONTINUOUS DUTY, SEMI-AUTOMATIC, INCLUDES TIME DELAY MAGNETIC SOLENOID OVERLOAD; AND LOW VOLTAGE PROTECTION, AMBIENT TEMPERATURE *FOR GENERAL RADIO USE.
1/15/45
JAN. 45 CAO:16939

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
		CAO-211325	CGU-211402			CDS-211410				
		50°C MAXIMUM. CLASS A INSULATION. CLASS HI SHOCK. DRIPPROOF ENCLOSURE. HAS LOCAL START-STOP SWITCHES ON FRONT PANEL AND PROVISION FOR USING REMOTE CONTROL START-STOP SWITCHES.	TDZ AC GENERATOR RATED 110/1/60, 14.2 AMPS, 1800 RPM 1.56 KVA. 0.9 P.F. 50°C TEMPERATURE RISE CONTINUOUS DUTY. SEPARATELY EXCITED 230 VOLTS DC.			NZ SERIES GENERATOR DC RATED 24 VOLTS DC, 25 AMPERES. INCLUDES WEATHERPROOF VOLTAGE REGULATOR. SAME AS -211000-A EXCEPT FOR VOLTAGE.				
		1/15/45 JAN. 45	1/15/45 JAN. 45			1/18/45 JAN. 45				
		CAO-211396	CGU-211403			CCW-211411				
		*SEE BELOW 17C17 MAGNETIC CONTROLLER: RATED 1 H.P., 230V DC, 5.0 AMPS. RESISTOR TYPE, MOTOR STARTING, CONTINUOUS DUTY, SEMI-AUTOMATIC. INCLUDES TIME DELAY MAGNETIC SOLENOID OVERLOAD AND LOW VOLTAGE PROTECTION. AMBIENT TEMPERATURE FOR GENERAL RADIO USE	TDZ MOTOR GENERATOR SET CONSISTS OF ONE TYPE CGU-211401 DC MOTOR AND ONE TYPE CGU-211402 AC GENERATOR			MBM HAND GENERATOR OUTPUT: 350V AT 100 MA DC AND 6.3 VOLTS AT 3 AMPS DC. OPERATED BY 2 HAND CRANKS. PROVIDED WITH TRIPOD MOUNTING AND TREE OR POLE MOUNTING. VIBRATING CONTACT TYPE VOLTAGE REGULATOR KEEPS VOLTAGE VARIATION WITHIN ±5%. TEMP RISE OF 40°C ABOVE 1/20/45 MBM UNIT 3				
		1/13/45 JAN. 45	1/15/45 JAN. 45			1/20/45 JAN. 45				
		CAO:16940								
		CAO-211396	CGU-211404			CCW-211411				
		50°C MAXIMUM. CLASS A INSULATION. CLASS HI SHOCK. DRIPPROOF ENCLOSURE. HAS LOCAL START-STOP SWITCHES ON FRONT PANEL AND PROVISION FOR USING REMOTE CONTROL START-STOP SWITCHES.	TDZ DC MOTOR RATED 3 HP 115 VOLTS, 22 AMPS, 1800 RPM COMPOUND WOUND. 40°C TEMPERATURE RISE CONTINUOUS DUTY.			AMBIENT OF 50°C. SIX BEARINGS. BALL BEARING TYPE.				
		1/15/45 JAN. 45	1/15/45 JAN. 45							
		CAPX-211397	CGU-211405			CKO-211412				
		EAR AC GENERATOR RATED 9.375 KVA, 7.5 KW, 80% P.F., 1800 RPM, 115/1/60. SELF-EXCITED.	TDZ MOTOR GENERATOR SET CONSISTS OF ONE TYPE CGU-211404 DC MOTOR AND ONE TYPE CGU-211441 AC GENERATOR.			NXsr-73899 RE13A964 DC MOTOR RATED 1 HP, 105 TO 130V DC, 9.0 AMPS. 1800 RPM. SELF EXCITED. AMBIENT TEMPERATURE 50°C. TEMP RISE 50°C. CONTINUOUS. LAP WOUND 2 MAIN POLES, 1 INTERPOLE. TILT & SHOCK PROOF. SPEED REGULATED BY LEE GOVERNOR TYPE DS1XN. INCLUDES TYPE 1/22/45 MODEL 10U07				
		1/15/45 JAN. 45	1/15/45 JAN. 45			1/22/45 JAN. 45				
		JCC-10	377B			TYPE 1016				
		CAFP:NJ-G-N31								
		CG-211398	CG-211406			CKO-211412				
		SP,SP-1M 17 M 10 AC MOTOR SERVICE A RATED 115/1/60, 1/12 HP, 3450 RPM, 2 POLES SEMI-ENCLOSED. RATED FOR CONTINUOUS DUTY, CONSTANT SPEED, AMBIENT TEMPERATURE 50°C, 40°C RISE: FOR VERTICAL MOUNTING, SHAFT DOWN.	TDZ 17 M 10 AC MOTOR RATED 110V/1/50-60, 2 POLES, 1/6 HP, 3000 RPM REVERSIBLE, 50°C. AMBIENT TEMP. CAPACITOR START MOTOR. INCLUDES A JAN TYPE CM30B222K MICA CAPACITOR. OPEN FRAME, BALL BEARINGS. *M-8118618			-53222 FILTER UNIT.				
		1/15/45 JAN. 45	1/15/45 JAN. 45							
		5KH25AC224	5PS56HC17							
		CG:M-8118574 REV 0	CG:M-7474288 P-1, REV 3 *							
		CG-211399	CG-211407			CKO-211413				
		X-TDP-1 17 M 10(INT) AC MOTOR SERVICE A RATED 115/1/50-6, 1/3HP CONTINUOUS, 2875/3450 RPM, AMBIENT TEMP. 40°C, 2 POLES, SEMI-ENCLOSED, SQUIRREL CAGE INDUCTION TYPE. BALL BEARING FOR HORIZONTAL MOUNTING.	TDZ 17 M 10 AC MOTOR RATED 110V/1/50-60, 2 POLES, 1/3 HP, 3000 RPM REVERSIBLE, 50°C. AMBIENT TEMP. CAPACITOR START MOTOR. INCLUDES A JAN TYPE CM30B222K MICA CAPACITOR. OPEN FRAME, BALL BEARINGS. *M-8118618			NXsr-73899 RE13A964 DC GENERATOR RATED 13 OR 26V DC, 38.4 OR 19.2 AMPS, 0.5 KW, 1800 RPM. SELF-EXCITED AMBIENT TEMPERATURE 50°C; TEMPERATURE RISE 50°C, CONTINUOUS, 8 BRUSHES, 2 COMMUTATORS, 4 POLES. INCLUDES TYPE -53223 FILTER UNIT.				
		1/15/45 JAN. 45	1/15/45 JAN. 45			1/22/45 JAN. 45				
		5KH48BB17	5PS68HA15			MODEL 23GSD1 TYPE 1014				
		CG:M-8118589 ALT 0	CG:M-7474289 P-1, REV 2 *							
		CG-211400	CJD-211408			CKO-211414				
		SX 17G7 EXCITATION GENERATOR 3/4 KW, 120V, 6 1/4 AMP, 1800 RPM, DRIP-PROOF, SEMI-ENCLOSED. AMBIENT TEMP. 50°C CLASS A INSULATION. SHUNT WOUND FOR HORIZONTAL FLANGE MOUNTING. HAS REMOVABLE COVER.	SJ-1 MOTOR, AC RATED 105-125 VOLTS CONTINUOUS, 60 ± 3 CPS, AMBIENT TEMPERATURE -32°C TO +50°C, 1/75 HP, 3200/7500 RPM. TWO SINGLE SHIELDED TYPE BALL BEARINGS. MOTOR TOTAL- LY ENCLOSED, EQUIPPED WITH MOUNTING PLATE AND COUPLING. 1/17/45 D-1-2B			NXsr-73899 RE13A964 MOTOR GENERATOR SET SUPPLY: 105 TO 130V DC. CONSISTS OF ONE TYPE -211412 DC MOTOR AND ONE TYPE -211413 DC GENERATOR.				
		1/15/45 JAN. 45	1/17/45 JAN. 45			1/22/45 JAN. 45				
		BF-812	CM:KS-5957 ISS 1, FIG 2			P-675 TYPE 1014				
		CG:MW-8118492 REV 1								
		CGU-211401	CBX-211409			CC-211415				
		TDZ DC MOTOR RATED 5 HP 230 VOLTS, 11 AMPERES, 1800 RPM, COMPOUND WOUND, 40°C TEMPERATURE RISE CONTINUOUS DUTY.	NHC-1 MOTOR, AC RATED 1/200 HP, 115/1/60 0.5 AMPS., 1800 RPM, SYNCHROUS, SPLIT-PHASE, 2 POLES, 0.35 PF, SQUIRREL CAGE, 40°C AMBIENT, SEMI-ENCLOSED, CLASS "A" INSULATION.			OBV DYNAMOTOR INPUT 28V DC, 3.5 AMPS. OUTPUT 590V DC, 0.1 AMPS CONTINUOUS DUTY, TROPICALIZED, 424 FRAME, SELF-COOLING.				
		1/15/45 JAN. 45	1/17/45 JAN. 45			1/22/45 JAN. 45				
			NST12			DFMX-424A				
			CBM:1000T-16U							
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CG-211416	QGB	MOTOR, AC DISTRIBUTED TYPE WINDING. RATED 0.054 HP 115/1/60, 0.036 AMPS, 75 RPM, 2 POLES, NO INTERPOLES. TEMPERATURE RISE 40°C FOR CONTINUOUS OPERATION. AMBIENT TEMPERA- TURE 50°C. TWO BALL BEARINGS. 14L-3 GRADE 3 LUBRICANT. 1/24/45 55MY-54H51 JAN. 45	CAJ-211422	SU-SU-1	MOTOR A.C. SQUIRREL CAGE WINDING. RATED 1/15000 HP, 115V AC, 0.09 AMPS, 1650 RPM. GEARED FOR REDUCTION TO 0.92 RPM, 2 POLES. NO INTER POLES. TEMP. RISE 40°C. CONTINUOUS OPE- RATION. AMBIENT TEMP 0° TO 65°C SPEED REGULATION 10%. SELF EXCITED. BRONZE 1/27/45 CAJ:RWC-2505 CAJ:55507 MAR. 45	CBM-211427	D8M-1	LF ANTENNA DRIVE UNIT: CONSISTS OF 1/50 HP COMMUTATOR TYPE SERIES WOUND 115/1/60 MOTOR, WITH GEAR BOX AND SYNCHRO GENERATOR, AND ROTATING CONTACTS FOR THE RF COAX LINE. GEAR RATIO BETWEEN MOTOR AND ANTENNA SHAFT ALLOWS 20 TURNS OF THE MOTOR FOR ONE 2/2/45 1039-3005 FEB. 45
CG-211417	QGB	MOTOR, DC SHUNT WOUND. RATED 1/6 HP, 250V DC MAX, 0.4 AMPS. EXCITATION 60V DC, 0.25 AMPS. 1140 RPM, TWO POLES, NO INTERPOLES TEMP RISE 40°C CONTINUOUS OPERATION. AMBIENT TEMPERATURE 50°C. TWO BALL BEARINGS. SA- 2-0 LUBRICANT SPEED REGULATION 10%. 1/24/45 BC.38PD MAR. 45	CAJ-211422	SLEEVE BEARINGS.		CBM-211427		TURN OF ANTENNA. GEAR RATIO BETWEEN AN- TENNA SHAFT AND SYNCHRO GENERATOR IS 1:1. SAME AS 211427-A EXCEPT FOR TER- MINAL BOARD NUMBERING.
CJO-211418	SU-2	ANTENNA DRIVE MOTOR MOTOR HAS 2 FIELD WINDINGS EACH RATED 135V DC, 80 MA AND ARMATURE RATED 120V DC. RATED SPEED 4000 RPM WITH TORQUE OF 11.5 OUNCE INCHES. STARTING ARMATURE CURRENT IS 1.5 AMPS. FIELD WINDINGS ARE CONNECTED TO SERVO AMPLIFIER WHICH COM- 1/25/45 ES-1-1 JAN. 45	CBX-211423	QGA 17 N 17	MOTOR, DC RATED: 1/12 HP, 0.5 AMPS, 230V DC, 1725 RPM. SHUNT WOUND. OPEN, PROTECTED EN- CLOSURE, SELF-VENTILATED, CONTINUOUS DU- TY. AMBIENT TEMPERATURE 50°C. CLASS A INSULATION. ON ONE END HAS HORIZONTAL SHAFT EXTENDING ONE INCH; ON THE OTHER 1/29/45 CBM:1000T12 CBX:15131 MAR. 45 CBX:NSH-53R ALT 0	CBM-211427-A	D8M-1	MW ANTENNA DRIVE UNIT CONSISTS OF A 1/50 HP COMMUTATOR TYPE SERIES WOUND 115/1/60 MOTOR, WITH GEAR BOX AND SYNCHRO GENERATOR, AND ROTATING CONTACTS FOR THE RF COAX LINE. GEAR RA- TIO BETWEEN MOTOR AND ANTENNA SHAFT AL- LOWS 20 TURNS OF THE MOTOR FOR ONE TURN 2/2/45 1048-3005 MAR. 45
CJO-211418		TROLS THE DIRECTION OF ROTATION OF MOTOR.	CBX-211423		END HAS GEAR BOX AND VERTICAL SHAFT. USED AS TILTING MOTOR WITH TYPE CBM- 78222 HOIST-TRAIN-TILT MECHANISM. 20:1 REDUCTION SLOW SPEED 86 RPM.	CBM-211427-A		OF THE ANTENNA. GEAR RATIO BETWEEN AN- TENNA SHAFT AND SYNCHRO GENERATOR IS 1:1. SAME AS -211427 EXCEPT FOR TERMINAL BOARD NUMBERING.
CG-211419	IDM-1	AC MOTOR RATED 110V, 60 CYCLES, 4 RPM. 1/26/45 SHY20 JAN. 45	CAIB-211424	SP-IM	MOTOR, A.C. RATED 1/4 HP, 115V AC, 3.3 AMPS, 3450 RPM. SQUIRREL CAGE INDUCTION TYPE 2 POLES, NO INTERPOLES. AMBIENT TEMP 60°C; 2 BALL BEARINGS. SEMI-ENCLOSED, CAST IRON. RESISTANCE BETW. TERMINALS. MAIN WINDING 1.4 ± 0.14Ω; STARTER WINDING 1/29/45 868 CG:M-48J795 MAR. 45 CG:5KH498B758 CG:M-8118661	CAJ-211428	MK 8 MOD 4	MOTOR, AC: REDUCTION GEAR TYPE. MOTOR RATED 115V AC 60 CYCLES 8 WATTS 1800 RPM. REDUCES OUT- PUT GEAR RATIO 30:1 60 RPM 3 OZ TORQUE. INCLUDES CAPACITOR, TOTALLY ENCLOSED. 2/3/45 FEB. 45
CBX-211420	QGB	MOTOR, AC RATED 1/75 HP, 115V, 60 CYC, SPLIT PHASE 0.31 AMPS, 1800 RPM, 4 POLES, NO INTER- POLES. TEMP. RISE 40°C CONTINUOUS OPERA- TION. AMBIENT TEMPERATURE 50°C. SLEEVE BEARING 14-L-3 LUBRICANT. 1/26/45 NYC-12 JAN. 45	CAIB-211424		7 ± 0.70.	CAJ-211429	MK 8 MOD 4	MOTOR, AC: REDUCTION GEAR TYPE. MOTOR RATED 115V AC 60 CYCLES 9 WATTS, 1800 RPM, REDUCER. OUTPUT GEAR RATIO 900:1, 2 RPM, 60 OZ. TORQUE. INCLUDES CAPACITOR AND ARE TOTAL- LY ENCLOSED. 2/3/45 FEB. 45
CBP-211421	WEB	TRAINING MOTOR RATED: 1 HP AT 1000 RPM, 250 TO 10V DC ON ARMATURE: 90/165V DC ON FIELD; SEPA- RATELY EXCITED FROM 30 TO 165 VOLT LINE; Drip PROOF; SEMI-ENCLOSED; SELF VENTILA- TED; SHUNT WOUND; 2 MAIN POLES AND 2 COMMUTATING POLES. AMBIENT TEMPERATURE 1/27/45 CBP:776-86/86A CBP:8233 MAR. 45 CBM:776K ALT 0	CDA-211425	GEN RADAR USE RE9647	SERVO MOTOR RE21AA152 RATED 115/115 VOLTS, 2 PHASE, 60 CYCLES, 2 POLES, BOTH WINDINGS IDENTICAL DIE CAST ROTOR. RATED 5 WATTS AT 2400 RPM. SYNCHRONOUS SPEED 3600 RPM SIMILAR TO -211052 EXCEPT FOR SHAFT LENGTH AND VOLTAGE. 1/29/45 MAR. 45	CC-211430	D8C	DYNAMOTOR: INPUT 28V DC, 3.5 AMPS; OUTPUT: 590V DC, 0.1 AMP. CONTINUOUS DUTY, TROPICALIZED. 2/5/45 DFHX-424A B-34749 FEB. 45
CBP-211421		50°C. CONTINUOUS DUTY OR 100% OVERLOAD FOR 30 SECONDS. SAME AS TYPE -21357-A EXCEPT FOR EXCITATION VOLTAGE AND NUM- BER OF TURNS ON FIELD COIL WINDING.	CDA-211425	GEN. RADAR USE RE9647	SERVO MOTOR: RE21AA153 115/115 VOLTS, 2 PHASE, 60 CYCLES, 2 POLES. BOTH WINDINGS IDENTICAL. DIE CAST ROTOR. RATED 10 WATTS AT 2400 RPM. SYN- CHRONOUS SPEED 3600 RPM. 1/31/45 MAR. 45	CBX-211431	NJ-5.4.7.9	MOTOR, AC: RATED 1/30 HP, 115V AC./1/60, 1800 RPM SYNCHRONOUS. CAPACITOR START & RUN TYPE WINDING. 4 POLES, 1 AMP MAX TEMP. RISE FOR CONTINUOUS OPERATION 40°C. AMBIENT TEMP. 55°C. 2 BALL BEARING. 2/5/45 CBX:50073-1 CBM:U712-531 FEB. 45 ALT 1

Class 21—Electrical Machines

3.21-79

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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COE-211432 SR
MOTOR ASSEMBLY, DC;
RATED 1/2 HP, 2.2 AMP, 250/300 VOLTS DC,
3450 RPM. SEPARATELY EXCITED 300 VOLTS,
0.075 AMP SHUNT WOUND, 2 POLES, 2 INTER-
POLES. TEMPERATURE RISE 64°C CONTINUOUS
ABOVE AMBIENT OF 60°C. WATERPROOF.
SEALED BALL BEARINGS. DRIVE END ADAPTED
2/5/45
FEB. 45

COE-211432
FOR PLANGE MOUNTING. MEETS NAVY SPEC
17-M-17 EXCEPT FOR TEMPERATURE RISE.
SIMILAR N.T. COE-211392 EXCEPT DOES NOT
HAVE MAGNETIC BRAKE.

CG-211433 MARK 33 17M17
MOTOR ASSEMBLY, DC;
RATED: 1/3 HP, 3450 RPM, 250V DC & 1.5
AMPS FOR ARMATURE; 125V DC 40.2 AMPS
FOR FIELD. 2 MAIN POLES, 1 INTERPOLE; 2
BALL BEARING TYPE. SHUNT WOUND, SEMI-
ENCLOSED; NATURAL VENTILATION. CONTINU-
OUS DUTY; 50° AMBIENT; CLASS A INSULA-
TION; EFFICIENCY 56%. VERTICAL MOUNTING.
MEETS NAVY SPEC 17-M-17.
2/9/45 58C44A81815 W-8118608
FEB. 45 REV 0

CG-211433
TION; EFFICIENCY 56%. VERTICAL MOUNTING.
MEETS NAVY SPEC 17-M-17.

CC-211434 NXsr-77876 17-N-10
MOTOR ASSEMBLY, AC;
RATED 1 1/2 HP, 2.2 AMPS, 440/3/50, 1800
RPM, SYNCH (1750 RPM FL) SPEED 4 POLES.
SQUIRREL CAGE. AMBIENT TEMP. 50°C WITH
RATED TEMP. RISE OF 45°C FOR 20 MIN ON,
2 HRS. OFF DUTY. WATER PROOF. SIMILAR TO
NAVY TYPE -211263 EXCEPT FOR 440 VOLTS
2/10/46 NC224X CC:N-35718
FEB. 45 REV. 0

OPERATION CC-211434
ONLY, AND SLIGHT DIMENSIONAL DIFFEREN-
CES.

CC-211435 NXsr-77876 17-M-17
MOTOR ASSEMBLY, DC;
RATED 1 1/2 HP, 15.0 AMPS 115 VOLTS DC,
1750 RPM. WATERPROOF ENCLOSURE, SHUNT-
WOUND, TWO POLE WITH TWO INTERPOLES.
AMBIENT TEMP 50°C WITH A RATED TEMP RISE
OF 45°C FOR 20 MIN ON 2 HRS. OFF DUTY.
SIMILAR TO NAVY TYPE -211264 EXCEPT FOR
2/10/45 D224X CC:N-35820
FEB. 45 REV. 0

CC-211435
SLIGHT DIMENSIONAL DIFFERENCES.

CCF-211436 TEB
MOTOR, BLOWER
CONSISTS OF A 3 PHASE MOTOR AND DUAL
FANS - ONE CW WHEEL AND ONE CCW WHEEL.
HOWELL MOTOR RATED 1 HP, 220V, 50/60 CY,
1725 RPM WITH LINE CURRENTS 3.18 AMPS AT
60 CY., 3.6 AMPS AT 50 CY. SQUIRREL CAGE
BALL BEARING CONSTRUCTION, DOUBLE SHAFT
2/14/45 MODEL 125 CCF:M-69388
MAR. 45

CCF-211436
EXTENSION TROPICAL INSULATION.
CANCELLED

CEK-211437 *SEE BELOW
DYNAMOTOR
INPUT: 115 OR 230V DC; 7.6/3.8 AMPS DC.
SHUNT WOUND, STARTING SERIES 5400 RPM;
2 POLES; 2 BALL BEARING TYPE; SELF-EX-
CITED; TEMPERATURE RISE 35°C, CONTINUOUS
DUTY. AMBIENT TEMPERATURE -55 TO +70°C.
*(NXsr-76162) GENERAL RADIO USE
2/16/45 ML-6152-25
MAR. 45

CEK-211437
OUTPUT: 13 OR 26V DC; 500 WATTS. OUTPUT
VOLTAGE REGULATION (-1/4 LOAD TO FULL
LOAD), 10.5 TO 15V OR 21 TO 30V DC. DRIP
PROOF CONSTRUCTION, EQUIPPED WITH TERMI-
NAL BOX ON SIDE CONTAINING INPUT & OUT-
PUT TERMINALS; SHOCK PROOF MOUNTED.

CEK-211438 *SEE BELOW
DYNAMOTOR
INPUT: 115V DC, 2.4 AMPS, SHUNT WOUND,
SELF-EXCITED TYPE, WITH STARTING SERIES
WINDING; 4800 RPM; SINGLE ARMATURE; 2
POLES; 2 BALL BEARING TYPE, TEMPERATURE
RISE 35°C, CONTINUOUS DUTY, AMBIENT
*(NXsr-76162) GENERAL RADIO USE
2/16/45 *ML-4520-42
MAR. 45

CEK-211438
TEMPERATURE -55 TO +70°C. OUTPUT: 13V DC
150 WATTS. OUTPUT VOLTAGE REGULATION
(-1/4 LOAD TO FULL LOAD), OUTPUT 10.5 TO
15 VOLTS. DRIP-PROOF CONSTRUCTION EQUIP-
PED WITH TERMINAL BOX ON SIDE CONTAINING
INPUT & OUTPUT TERMINALS; SHOCK MOUNTED.

CG-211439 SP-1M 17-G-8.17-M-10
MOTOR GENERATOR UNIT
MOTOR RATED 3 HP, 115 ±10% V AC, 1/160
23.31 AMPS, KVA 2, 3330 RPM PF 0.94.
SHUNT WOUND, 2 POLES MAX TEMP RISE 40°C
FOR CONTINUOUS OPERATION AT 50°C AMBIENT
TEMP. SPEED REGULATION CONSTANT. VOLTAGE
REGULATION MAY EXCEED 45%. DC RESISTANCE
2/17/45 5LY 137A1 CG-8499034
MAR. 45

CG-211439
ARMATURE 0.366-0.425 OHMS, FIELD 10.8
OHMS, 4 BRUSHES, 2 SLIPRINGS, 2 BALL
BEARINGS, DRIPPROOF. GENERATOR: RATED
115V/1640 ±4%. OVERLOAD CAPACITY: 125%
FOR 1/2 HR. NO EXCEEDING OF TEMP. BY
15°C. VOLTAGE REGULATION ±5%, INPUT
VOLTAGE VARIATION ±10% & FREQ. VARIATION
±5%. 22 POLES.

COA-211440 SU, SU-1
MOTOR, A.C.
RATED 1 WATT, 20/20 VOLTS AC, 2 PHASE,
60 CYCLES, 0.35 AMPS, 1600 RPM, LAP-
WOUND, 4 POLES. MAX TEMP. RISE FOR CON-
TINUOUS OPERATION 55°C ABOVE AMBIENT OF
50°C. DIE CAST ALUMINUM FRAME, TWO #34
BALL BEARINGS, 100% SPEED REGULATION.
2/12/45 FPE-25 CBM:972-37
MAR. 45 ALT 0

CGU-211441 TDZ
A.C. GENERATOR
RATED: 110/1760, 14.2 AMPS, 1800 RPM;
1.56 KVA, 0.9 P.F., 50°C TEMPERATURE
RISE, CONTINUOUS DUTY, SEPARATELY EX-
CITED 115V DC.

2/12/45
MAR. 45

COA-211442 GEN RADAR USE RE9647
SERVO MOTOR
115/115 VOLTS, 2 PHASE, 60 CYCLES, 2
POLE, 25 WATTS. OUTPUT: BOTH WINDINGS
IDENTICAL, DIE CAST MOTOR, 2400 RPM,
SYNCHRONOUS SPEED 3600 RPM.

2/19/45 COA SKETCH IN
MAR. 45 FILE

CG-211443 SP-1M
GENERATOR, A.C.
80 TO 100/2724, 1440 RPM, SELF EXCITED,
40°C TEMP. RISE CONTINUOUS OPERATION,
AMBIENT TEMP -50°C TO +50°C, 2 POLES, 2
BALL BEARINGS, MAX RUNNING TORQUE -10"
-OUNCES. SUPPLIES VOLTAGE FOR TACHOMETER

2/23/45 ZCMSABR CG-M-8084855
MAR. 45 REV 0

CAJO-211444 *SEE BELOW
DYNAMOTOR ASSEMBLY
INPUT: 105 TO 130V DC DUAL OUTPUT: 13
±2V DC OR 26 ±4V DC AT 500 WATTS, SELF-
EXCITED; FULLY ENCLOSED, 2 REMOVABLE
COVERS. INCLUDES FUSED LINE SWITCH AND
CONTROL BOX WHICH CONTAINS 3 TYPE
GENERAL RADIO USE NXsr-87760
2/24/45 24401
MAR. 45 REV 0

CAJO-211444
CSL-53199 RF FILTER UNITS TERMINAL BOARD
FOR INPUT & OUTPUT CONNECTIONS, A LINK-
AGE ARRANGEMENT FOR SWITCHING FROM 15
VOLTS TO 26 VOLT OPERATION, & SPARE
PARTS.

CAQ-211445 QBE-2
MOTOR, AC
RATED 1/50 HP, 67 WATTS, 115/1760, 0.93
AMPS, 1800 RPM SYNCHRONOUS, CONTINUOUS
DUTY, 4 POLES, 22.4% EFFICIENCY, 62.6%
POWER FACTOR, 8 MFD. CAPACITOR MOUNTED
ON SIDE.

2/26/45 FRAME #105 CBM:834-118C
MAR. 45 ALT 0

CAQ-211445-A QBE
MOTOR, A.C.
RATED 1/50 HP, 67 WATTS, 115/1760, 0.93
AMPS, 1800 RPM SYNCHRONOUS, CONTINUOUS
DUTY, 4 POLES, 22.4% EFFICIENCY, 62.6%
POWER FACTOR, 8 MFD. CAPACITOR MOUNTED
ON SIDE, SAME AS -211445 EXCEPT FOR 1/4"
LONGER SHAFT.
2/26/45 FRAME #105 CBM:884-118A
MAR. 45 ALT 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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3.21-80

Class 21—Electrical Machines

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CDA-211445	SO-4	MOTOR, A.C. RATED 1/40 HP, 115/1/60, 0.35 AMPS, 3400 RPM, CONTINUOUS DUTY. EXCITATION 115V, 0.35 AMPS, 25°C TEMP. RISE. OPERATES AT ANY AMBIENT BETWEEN -30°C AND +80°C. SHUNT WOUND, 2 POLES. OPEN TYPE.	CZA-211452	MAR	MOTOR, DC OPERATED 115V DC; SERIES WOUND; 1/40 HP AT 5800 RPM; STARTING CURRENT 0.6 AMP MAX; RUNNING CURRENT 0.4 AMP MAX; REVERSIBLE, 3 LEAD; CAPABLE OF 2% DUTY CYCLE, MAX RUNNING PERIOD 10 SEC. IN AMBIENT OF 80°C, TO OPERATE SATISFACTORILY	CW-211456	SL	MOTOR DC RATED 23 VOLTS ± 2V, 0.7 AMPS DC, MAX. SPEED 150 RPM, SPEED REGULATED BY GENERATOR, 6 POLE STATOR WITH 3 SYMMETRICAL WINDINGS AND MODIFIED DUMB-BELL OR H TYPE ROTOR. AMBIENT TEMP. 0 TO 50°C. 2 NEW DEPARTURE NO. 37
2/26/45	FB-66-2	CRP:V115-5135	2/28/45	115V DC	CRV:M-433560	3/12/45	D-150947	CW:KS-5960-01
MAR. 45		SUB B	MAR. 45		SUB 2	MAR. 45		ISSUE 2 APP. 1
CFI-211447	SO-S0a	MOTOR, SYNCHRO 400 CYCLES, SINGLE PHASE. STATOR: 2 POLE, 3 PHASE, 17 TURNS PER COIL, 2NO. 26 FORMAN HEAVY; 1.95 OHMS DC RES. PER PHASE. ROTOR: 165 TURNS NO. 23 FORMAN HEAVY; 0.85 OHMS RESISTANCE, 115 VOLTS IN PRIMARY; 90 VOLTS ON SECONDARY.	CZA-211452			CW-211456		
2/27/45	55F	CRP:115-5021	AT -15°C, HAS BALL BEARINGS WITH LOW TEMP. LUBRICANT.			BEARINGS, OPEN FRAME.		
MAR. 45		SUB 0						
CG-211448	SO-3	MOTOR, SYNCHRO 400 CYCLES, 115 VOLTS ON PRIMARY, 5.9 OHMS DC RES. 90 VOLTS ON SECONDARY, CENTER TAPPED WITH 2.75/2.75 OHMS DC RES.	CZA-211452-A	MAR	MOTOR, DC OPERATES AT 115V DC, SERIES WOUND; 1/40 HP AT 5800 RPM; STARTING CURRENT 0.6 AMP MAX; RUNNING CURRENT 0.4 AMP MAX; REVERSIBLE, 3 LEAD; CAPABLE OF 2% DUTY CYCLE MAX RUNNING PERIOD 10 SEC. IN AMBIENT OF 80°C, TO OPERATE SATISFACTORILY	CW-211457	SL	MOTOR, DC RATED 70 VOLTS ± 5V, 0.3 AMPS DC, MAX. SPEED 150 RPM, SPEED REGULATED BY GENERATOR, 6 POLE STATOR WITH 3 SYMMETRICAL WINDINGS AND MODIFIED DUMB-BELL OR H-TYPE ROTOR. AMBIENT TEMP. 0 TO 50°C. 2 NEW DEPARTURE NO. 37 BEARINGS.
2/27/45	2JDSRE	CRP:115-5072P1	3/28/45	115V DC	CRV:M-429658	3/12/45	D-150962	CW:KS-5960-02
MAR. 45		SUB 0	APR. 45		REV 0	MAR. 45		ISSUE 2, APP. 1
CASN-211449	SO-3	17 M 17 SERIES MOTOR, DC SHUNT WOUND, RATED 0.0037 HP AT 2500 RPM 28 VOLTS DC, 0.6 AMPS; 2600 RPM NO LOAD AT ARMATURE SHAFT AND 1 RPM NO LOAD AT GEAR SHAFT, 2 POLES. BUILT-IN SPEED REDUCER, AMBIENT TEMP. RANGE -40° TO +65°C. *CASN:44594, REV B	CZA-211452-A			CW-211457		
2/27/45	#10 A5	CRP:V155-5109P1	AT -15°C; HAS BALL BEARINGS WITH LOW TEMP. LUBRICANT. SAME AS -211452 EXCEPT HAS PINION BUSHING ASSEMBLED ON SHAFT.			OPEN FRAME.		
MAR. 45		REV E						
CASH-211449		REVERSIBLE, TOTALLY ENCLOSED, FIELD, CONTINUOUS DUTY; ARMATURE, INTERMITTENT IN EITHER DIRECTION APPROX. 25% OF TIME.	CG-211453	SP-1M	MOTOR, AC (INDUCTION) RATED 1/40 HP, 120/1/60, 1000 RPM FULL LOAD, PERMANENT SPLIT CAPACITOR TYPE, 3 WIRE REVERSIBLE WITH HANDWHEEL AND WORN 6 POLES, AMBIENT TEMP. 50°C, UNENCLOSED.	CAVV-211458	SGa/SG-1	MOTOR, AC RATED 1/80 HP, 115/1/60, 0.35 AMPS, 8400 RPM AT 35°C AMBIENT; CONTINUOUS DUTY, SERIES WINDING, 2 POLES.
2/27/45		CRP:V115-5095	*CG:K-8369038 REV 4	3/5/45	5KCP25AC34	CG:M-8118557	3/14/45	504
MAR. 45		SUB 0	MAR. 45		ALT 0 *	MAR. 45		CRP:115-5089
CS-211450	SO-4	MOTOR, GEAR REDUCTION 70 VOLTS DC, 380 OHMS DC RESISTANCE EACH WINDING (1-5, 2-5, 3-5); AMBIENT TEMP. RANGE FROM 0 TO +65°C. RATIO OF ARMATURE SPEED TO SPEED OF 195-TOOTH GEAR IS 180 TO 1. OTHER GEARS HAVE 13, 192 & 40 TEETH. ROTOR SHAFT PINION HAS 16 TEETH.	CDA-211454	GEN RADAR USE RE 9647	SERVO MOTOR RATED 115/115 VOLTS, 2 PHASE, 60 CYCLES, 2 POLES, BOTH WINDINGS IDENTICAL, DIRECT ROTOR, RATED 10 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM, SAME AS -211426 EXCEPT FOR MOUNTING PROVISIONS.	CMP-211459	SGa/SG-1	17 M 17 (INT) MOTOR, DC (GEAR REDUCTION) RATED 1/8 HP, 0.7 AMPS; 1140 RPM VARIABLE BY ADJUSTMENT OF ARMATURE VOLTAGE, FIELD VOLTAGE 115V DC CONSTANT; ARMATURE VOLTAGE VARIES FROM 0 TO 230V, SHUNT WOUND; 4 POLES; CONTINUOUS DUTY; TEMP. RISE OF 50°C ABOVE 40°C AMBIENT.
2/27/45	8C135-Y	CRP:V115-5095	3/6/45			3/14/45	DM-122037	CRP:V 115-5100
MAR. 45		SUB 0	MAR. 45			MAR. 45		SUB 4
CBP-211451	WEA	17M17 (INT) MOTOR DC; RATED 175 TO 345V DC, 43 TO 28 AMPS, 7 TO 11 HP, 1800 TO 2840 RPM INTERMITTENT DUTY COMPOUND WOUND; 2 MAIN POLES, AIR GAP 0.047"; 2 COMMUTATING POLES, AIR GAP, 0.075"; HORIZONTAL MOUNTING WATER-PROOF.	CAJ-211455	SR-2	INDUCTION MOTOR 115/1/60 3.2 RPM GEAR REDUCTION 360 TO 1 4 POLES, 60 INCH-OZ. TORQUE, MAX. TEMPERATURE RISE FOR CONTINUOUS OPERATION 20°C ABOVE AN AMBIENT OF 50°C, COMPLETELY ENCLOSED 2 BEARING TYPE BALL BEARINGS, DRIP PROOF, OUTPUT SHAFT	CMP-211459		SPEED REGULATION FROM FULL LOAD TO NO LOAD WITH 115V ON FIELD & 250V ON ARMATURE IS 80%; WITH 115V FIELD AND 115V ARMATURE SPEED REGULATION IS 70%.
2/28/45	FC52	CBM-1000T-27	3/8/45	RBC-2505	CRV:K-889016-1	3/15/45	NSH-538(FRAME)	CBY:357-238
APR. 45		CBM TYPE 994-35 ALT. 2 *	MAR. 45		SUB. 4	MAR. 45		ALT 0
PROOF ENCLOSURE, SELF-VENTILATED; AMBIENT TEMPERATURE 50°C; CLASS "B" INSULATION REVERSIBLE, INCLUDES MAGNETIC BRAKE, SINGLE DISC, TYPE NORMALLY HELD ON BY 4 HEAVY COIL SPRINGS & ELECTRICALLY RELEASED BY 4 MAGNETIC COILS, CAN BE RELEASED BY HAND, TORQUE RATING: 8 LBS AT 230V, 0.33 AMPS, OVER ALL EFFICIENCY, INCLUDING BRAKE AT 175V FULL LOAD 70% 3/4 LOAD 81% 1/2 LOAD 91%	CBP-211451		CAJ-211455			CBX-211460	WEA-3	MOTOR, DC (GEAR REDUCTION) RATED 1/12 HP, 0.81 AMPS, 115V DC, 2200 RPM, SHUNT WOUND, OPEN, PROTECTED ENCLOSURE, SELF-VENTILATED, CONTINUOUS DUTY, AMBIENT TEMP. 50°C, ON ONE, END HAS GEAR BOX WITH HORIZONTAL SHAFT, 2 1/2 TO 1 WORM GEAR REDUCTION, OUTPUT
			LOCATION 6 O'CLOCK POSITION WEIGHT 2 LBS.			MAR. 45		

Class 21—Electrical Machines

3.21-81

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
880 RPM.		CBX-211460			CDA-211466	CAGE-211471	CABL-74039	
			0-50°C. REL. HUMIDITY UP TO 95%. (SIMUL-TANEOUS HIGH TEMP & HUMIDITY LIMITED TO 40°C & 95% REL. HUM. TOTALLY ENCLOSED FRAME. 2 POLES.					
						3/21/45	MODEL 600	CABL:445240007
						APR. 45		REV 0
CDD-211461	SO-4	TORQUE MOTOR, FREQUENCY SENSITIVE; RATED 115/2/60. 6 COILS PER PHASE. EACH COIL HAVING 120 TURNS #25 FORMVAR EN. WIRE WITH 14 OHM DC PER PHASE ± 7 1/2% AT 20°C. 0.5 AMPS PER PHASE. ROTATION CAUSED BY NOT MORE THAN ±0.2 CPS OF BALANCING FREQUENCY.	CW-211466-A	QJB	MOTOR AND PINION ASSEMBLY SAME AS NAVY TYPE -211466 EXCEPT HAS SKALL PINION STAKED TO SHAFT. PINION IS CM TYPE ESX-649309.	CG-211472	WFA	
3/16/45	CRY-186-02-500	CDD:EK-11664	5/1/45	ESX-655740-AS	ISS. 7	3/22/45	5B46A3970	CG:WM8118601
MAR. 45		ITEM 7. ALT 0	JUN. 45			APR. 45	Ø SEE ABOVE	ALT 0
CDD-211462	SO-4	SPEED REGULATOR RATED 115/1/60. 2 KW. CONTINUOUS DUTY. AMBIENT TEMP. 50°C. FOR USE WITH -211241 MOTOR-ALTERNATOR. INCLUDES NAVY TYPE -211461 TORQUE MOTOR, -301997 REACTOR, -482364 CAPACITOR AND TWO -632294 RESISTORS.	CWD-211467	TCS-7	DYNAMOTOR INPUT: 12V DC, 11 AMPS. OUTPUT: 440 VOLTS, 200 MA. 5500 RPM. 40°C TEMP. RISE ABOVE AMBIENT OF -32° TO +60°C. CONTINUOUS DUTY. 20% MAX. VOLTAGE REGULATION. BALL BEARINGS TO WITHSTAND 200-HR SALT SPRAY TEST. INCLUDES TWO REPLACEABLE	CC-211472		
3/16/45	124-4	CDD:EK-11664	3/20/45	4115-F	COL:231 4110 00	3/22/45	Ø SEE ABOVE	ALT 0
MAR. 45		ITEM 1. ALT 0	APR. 45		REV 0	APR. 45		
CJO-211463	SO-3	BLOWER MOTOR RATED 1/20 HP. 27.5 VOLTS DC. 2.5 AMPS. 3650 RPM. SHUNT WOUND. SELF EXCITED. 2 POLES. TO OPERATE IN ANY AMBIENT TEMP. FROM -30°C TO +85°C. CONTINUOUS DUTY. BALL BEARINGS.	CWD-211467		0.006 HFD. MICA CAPACITORS. NAVY TYPE -48847-820 AND -48411-820.	CAE-211473	*SEE BELOW	
3/17/45	E-7-3(FRAME)	CRP:U115-5101						
MAR. 45		REV 2				APR. 45		
CS-211464	SA	STEP-BY-STEP REPEATER RATED 0.00045 HP. 22 VOLTS DC. 360 RPM. CURRENT 0.275 IN SINGLE COIL POSITION OR 0.55 AMPS IN DOUBLE COIL POSITION. FIELD RESISTANCE 70 TO 80 OHMS PER SET OF COILS. 6 POLES. CONTINUOUS DUTY CYCLES. *CG:P-7763659	CASH-211468	SO - 50a	MOTOR, DC (GEAR REDUCTION) RATED 1/100 HP. 24V DC. 2 AMPS. EXCITATION 24 VOLTS 0.60 AMPS. 1810 RPM ON ARMATURE, 21 RPM ON OUTPUT SHAFT. 2 POLES; SHUNT WOUND. REVERSIBLE. CONTINUOUS DUTY. MAX. AMBIENT TEMP. 60°C.	CAE-211473	*SEE BELOW	
3/17/45	7092	CRV:P-720970-1	3/21/45	37771	CRP:DV115-5026-1	3/22/45	6942E0322	942-1-2M9
MAR. 4		SUB 0 *SEE ABOVE	APR. 45		1 SUB 5	APR. 45		ALT 0
			CASH-211469	SG 2S	MOTOR, DC (GEAR REDUCTION) RATED 1/70 HP. 115V DC. 0.21 AMPS. EXCITATION 115 VOLTS. 0.045 AMPS. 1750 RPM ON ARMATURE. 24 RPM AT GEARHEAD. 2 POLES; SHUNT WOUND. CONTINUOUS DUTY. AMBIENT TEMP. 55°C.	CAE-211474	*SEE BELOW	
			3/21/45	41931	CRP:115-5108 P2	3/22/45	6942E0433	942-1-59M2
			APR. 45			APR. 45		ALT 0
CJO-211465	MK-31	MOTOR, D.C. 1/40 HP. 27V DC. 6300 RPM. SIMILAR TO NAVY TYPE -211269. MECHANICALLY INTER-CHANGEABLE.	CARB-211470	VF	MOTOR, AC RATED 1/50 HP. 115/1/60. EXCITATION 115V. 0.25 AMPS. 3400 RPM. HD LOAD. 3300 RPM FULL LOAD. CONTINUOUS DUTY. AMBIENT OF 0 TO 70°C. 2 POLES. CAPACITOR INDUCTION TYPE USING SEPARATE 4 OR 5 MFD. CAPACITOR. WITH 4 MFD CAPACITOR FULL LOAD	CAE-211474		
3/19/45	CJO:DEST-10A-2	KS-15173-L1	3/21/45	J-70	CRP:115-5160			
APR. 45	MOD 1		APR. 45			APR. 45		
CDA-211466	QJA	MOTOR, AC LOW INERTIA. 20/20 VOLTS. 2 PHASE. 60 CPS. EACH PHASE RATED 20 VOLTS. 60 CPS AC. SQUIRREL CAGE TYPE MOTOR. WITH 20 VOLTS. 60 CPS. APPLIED TO BOTH WINDINGS FROM A 2 PHASE SOURCE. NO-LOAD SPEED AT ROOM TEMP IS 3200 RPM MIN. AMBIENT TEMP	CARB-211470		CURRENT 0.25 AMPS. INPUT 25 WATTS. OUTPUT 15 WATTS. POWER FACTOR 87%. WITH 5 MFD CAPACITOR 0.29 AMPS. 28 WATTS INPUT. 84% POWER FACTOR. HAS BALL BEARINGS. IS TOTALLY ENCLOSED.	CAE-211475	*SEE BELOW	
3/19/45	FPL25-14	CH:KS-5869				3/22/45	6942E0452	942-1-59M1
APR. 45		LIST OF ISS 2				APR. 45		ALT 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CAE-211475
CLASS A INSULATION. CONFORMS TO NAVY SPEC. 17C17. HI SHOCK PROOF. OVERLOAD COIL #9-1161-12.

CAEN-211479
ENCLOSED CASE. 200 HR. SALT SPRAY TEST.

CW-211485 SJ-A
MOTOR, AC
RATED 115V, 60 CYCLES, 3400 RPM ON OUTPUT SHAFT. CAPACITOR TYPE, REVERSIBLE, TOTALLY ENCLOSED, INPUT RATING 11 WATTS, 0.96 AMPS, AMBIENT TEMP. RANGE -30° TO +90°C, TEMP. RISE NOT TO EXCEED 35°C. BALL BEARINGS.
3/28/45 KS-5827, L01 CW:KS-5827
APR. 45 FIG 1 ISS 2

-211476 TCZ
MOTOR, DC
RATED 1/20 HP, 28 VOLTS DC (20 MIN. TO 32 MAX.) 4.2 AMPS, 3500 RPM, SHUNT WOUND. INCLUDES TWO 0.002 MFD OR GREATER CAPACITORS, SUPPLIES 55 IN. OZ. CONTINUOUSLY IN AMBIENT OF -40°C AND 15 IN. OZ. AT 60°C.
3/24/45 CEX:026-RM-143 COL:508 0813 31
APR. 45 COE:0-26410 0 REV D 11294

CAEN-211480 TCZ
GENERATOR, DUAL VOLTAGE
OUTPUTS: 28V DC AT 10 AMPS AND 14V DC AT 4.2 AMPS, 3450 RPM, CONTINUOUS DUTY IN RANGE FROM 0 TO 50°C WITH 60°C MAX. TEMP RISE AT 21°C AMBIENT, 20% MAX. VOLTAGE REGULATION FROM NO LOAD TO FULL LOAD. SEMI-ENCLOSED CASE.
3/24/45 G-100 COL:251 6040 00
APR. 45 REV D 11089

CG-211486 SX
MOTOR, AC
RATED 440/3/60; SQUIRREL CAGE; 1800 RPM SYN.; 1765 RPM FULL LOAD; 4 POLES; DRIP-PROOF; SEMI-ENCLOSED; NATURAL COOLING; AMBIENT TEMP. 50°C; CONSTANT SPEED, CONTINUOUS DUTY; 40 HP FULL LOAD CURRENT 49.5 AMPS, FULL LOAD EFFICIENCY 90%;
3/28/45 K-404 W-9016408
APR. 45 REV 0

-211476
50°C WITH 32 VOLTS, REVERSIBLE, OPEN FRAME, BALL BEARINGS.

CAEN-211481 TCZ-1
GENERATOR AND FAN ASSEMBLY
INCLUDES ONE NAVY TYPE -211480 GENERATOR AND A J-1211-3 MODIFIED LORD COUPLER AND FAN.

CG-211486
FULL LOAD POWER FACTOR 0.86.

3/24/45 G-100A COL:231 0026 00
APR. 45 REV 1

CAIZ-211477 TCZ
MOTOR, AC
INPUT: 115/1/60, 650 WATTS, 70.5 POWER FACTOR, OUTPUT: 1/2 HP, 3450 RPM, CAPACITOR START & RUN TYPE, BALL BEARINGS, CONTINUOUS DUTY WITH 40°C TEMP, RISE IN ANY AMBIENT FROM -32° TO +50°C, COUNTER-CLOCKWISE ROTATION, CLASS A INSULATION.
3/24/45 SCS-167-525 COL:230 1800 00
APR. 45 CAT. NO. C-771 REV D 11130

CDA-211482 AN/TPS-1B
MOTOR, DC
27 VOLTS DC, 1750 RPM, 1/100 HP TOTALLY ENCLOSED, SHUNT WOUND, CONTINUOUS DUTY, ADJUSTABLE SPEED REGULATOR (CAVR TYPE DR-X GOVERNOR) TO REGULATE SPEED TO 1750 ± 90 RPM, BALL BEARING, ARRANGED FOR END, SHIELD MOUNTING, SIMILAR TO -211351
3/26/45 CDA:FDE-53-7 CW:KS-15057
APR. 45 LIST 02 ISS 2

CG-211487 SX
MOTOR-GENERATOR SET
CONSISTS OF ONE NAVY TYPE -211486 AC MOTOR, ONE NAVY TYPE -211057 AC GENERATOR, AND ONE NAVY TYPE -211400 EXCITER.

3/28/45 W-9016546
APR. 45 REV 0

CATZ-211477
DRIP-PROOF ENCLOSURE.

CDA-211482
DC MOTOR EXCEPT THAT SERIES FIELD IS REMOVED AND THE WHITE LEAD CONNECTED BETWEEN THE ARMATURE AND THE SPEED REGULATOR IS CHANGED TO A BLUE LEAD.

CASN-211488 SO-1
MOTOR DC (BLONER):
RATED 1/100 HP, 115V DC, 0.175 AMP, 7000 RPM, SERIES WINDING; 2 POLES, CONTINUOUS DUTY IN ANY AMBIENT FROM -30°C TO +70°C, BALL BEARINGS.

3/30/45 59186 CRP:DL115-5046
APR. 45 SUB. 1

CAEN-211478 TCZ
DYNAMOTOR, DUAL VOLTAGE
INPUT: 115V DC, 5.5 AMPS, OUTPUT: 28V DC AT 10 AMPS; 14V DC AT 1.2 AMPS; 6000 RPM CONTINUOUS DUTY 0 TO 50°C, MAX. TEMP, RISE 60° ABOVE AMBIENT OF 21°C, COMPOUND WINDING, 2 FIELD COILS, 15% MAX VOLTAGE REGULATION, 3 COMMUTATORS, SEMI-ENCLOSED
3/24/45 D-102 COL:251 4800 00
APR. 45 REV D 1157

CAY-211483 HAR
DYNAMOTOR
INPUT: 15V DC, OUTPUT: 585V DC AT 250 MA TROPICALIZED.

CASN-211489 SO-9
MOTOR, DC (GEAR REDUCTION):
RATED 1/100 HP, 32V DC, 0.6 AMPS, EXCITATION 32 VOLTS, 0.8 AMPS, 2000 RPM NO LOAD; 21 RPM REDUCED SPEED, SHUNT WOUND, 2 POLES, REVERSIBLE, CONTINUOUS DUTY IN MAX. AMBIENT OF +60°C.

3/30/45 37952 CRP:GV115-5026-3
APR. 45 SUB. 5

CAEN-211478
CASE, 200 HR. SALT SPRAY TEST.

CJO-211484 HAR
BLOWER MOTOR ASSEMBLY
RATED 12V AC/DC, 6700 RPM AT 12V AC, 7850 RPM AT 12V DC, STARTING TORQUE 3 OZ-IN., RUNNING TORQUE FOR CONTINUOUS OPERATION 1 1/2 OZ-IN. CAPABLE OF MAINTAINING THE ABOVE DUTY IN AN AMBIENT OF 80°C, WILL ALSO OPERATE AT -15°C. IN-
3/26/45 CJO:C-2A CRV:M-433559 P1
APR. 45 MODIFIED

CPO-211490 SO-3
TORQUE UNIT:
RATED 0.5 IN. OZ. FIXED PHASE WINDING 26/1/400, 32.7 OHMS DC RES, VARIABLE PHASE WINDING 65/1/400, 200 OHMS DC RES, 8 POLES, OUTPUT SPEED 5 TIMES AUTOSYN SPEED, TO WITHSTAND +71°C FOR 3 HOURS; AND AFTER 3 HOURS AT -54°C WHILE NOT OP-
3/30/45 12604A CRP:V115-5095-1 SUB. 4
APR. 45 CPO:12604-0 ISS A

CAEN-211479 TCZ
DYNAMOTOR, DUAL VOLTAGE
INPUT: 115V DC, 7.5 AMPS, OUTPUT: 400V DC AT 350 MA; 1150V DC AT 350 MA, 8000 RPM, CONTINUOUS DUTY 0 TO 50°C, MAX. TEMP, RISE 60° ABOVE AMBIENT OF 21°C, COMPOUND WINDING, 2 POLES, 15% MAX VOLTAGE REGULATION, 3 COMMUTATORS, SEMI-
3/24/45 D-101 COL:251 4900 00
APR. 45 REV D 11068

CJO-211484
CLUDES AN L-R MFG CO. TYPE 1 1/2" FAN, ROTATION CCM VIEWED FROM SHAFT, HAS BALL BEARINGS.

CPO-211490
ERATING, OUTPUT SHAFT TO ROTATE AT LEAST 10 RPM WITHIN 5 MINS, AFTER POWER IS APPLIED.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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CASH- 211491 SO-S			CASN- 211499 SO/SO-A			CAE-211504		
MOTOR, DC (ANTENNA DRIVE): RATED 1/100 HP, 115V DC, 0.150 TO 0.185 AMPS. EXCITATION 115V DC, 0.045 AMP. 3700 RPM FULL LOAD, 4000 RPM NO LOAD. CONTINUOUS DUTY, 70°C AMBIENT. SHUNT WINDING; 2 POLES.			MOTOR, DC: 24V DC, 2.0 AMPS. SHUNT WOUND; 2 POLES. 1850 RPM, WITH SPECIAL WINDING FOR 21 RPM ON OUTPUT SHAFT AT IDLING SPEED. HAS CASN TYPE A12 REDUCTION UNIT. CONTINUOUS DUTY; AMBIENT TEMP OF 60°C. SPEED OF ARMATURE SHAFT NOT TO DROP BELOW 4/4/45 44461			IN HP RESULTING IN DIFFERENT SIZE HEATER COILS & FUSES. INCLUDES HOIST AND LOWER SWITCHES.		
3/30/45 60419		CRP-115-5177	4/4/45 44461		CRP:W115-5133-F1			
APR. 45			MAY 45		REV. C			
CBX- 211492 Nord-6134			CASN-211499			CG-211505 QGB		
MOTOR, AC: BALL BEARING. INDUCTION TYPE, RATED 115/1/60, 0.1127 KVA, 0.98 AMP, 1/40 HP, 1725 RPM CONTINUOUS. DRIVES TWO CAM-OPERATED SWITCHES.			1600 RPM WITH 4 FT. LB. LOAD ON OUTPUT SHAFT OF REDUCTION UNIT.			SYNCHRONOUS REPEATING MOTOR; RATED 115/1/60. STATOR RATED 00 VOLTS, 3 PHASES. 400 RPM, 1 AMP 0.01 KW. 50°C TEMP RISE; AMBIENT 50°C. 2 POLES. TO OPERATE IN ALL POSITIONS.		
3/30/45 INF-2763A		CAOS:C45602A				4/7/45 5DC-DL		CRV:W-306418-
APR. 45		REV. 6				MAY 45		P50 REV. 4
CG- 211493 SP-1M		17H10	CASN-211500 SO-4			CARB- 211506 BT		
MOTOR, AC: RATED 1/8 HP, 115/1/60, 3600 RPM SYN., 3450 RPM FULL LOAD. SQUIRREL CAGE INDUCTION TYPE; 2 POLES, SINGLE SHIELDED BALL BEARINGS; 14 L3 GREASE GRADE 3. SEMI-ENCLOSED FRAME. CLASS A INSULATION. 50°C AMBIENT; CONTINUOUS DUTY.			MOTOR DC: 115V DC, 0.3 AMPS. EXCITATION 115 VOLTS, 0.068 AMPS. SHUNT WOUND; 2 POLES. 2660 RPM FULL LOAD; 3000 RPM NO LOAD. ARMATURE SPEED VARIABLE THRU SYNCHRO-CONTROL SYSTEM. CONTINUOUS DUTY CYCLE. RATED APPROX. 0.040" HP.			BLOWER MOTOR ASSEMBLY: MOTOR RATED 115/1/60; 0.1 AMP, 3300 RPM. HAS A 1.0 MFD. CAPACITOR. BLOWER IS L-R MFG. CO. #2 TYPE AND DELIVERS 10 CFM CONTINUOUS DUTY. CLOCKWISE		
3/30/45 5KH47EB242A		CG:M-8118587	4/5/45 47665		CRP-115-5157	4/10/45 J-50		DWG IN FILE
APR. 45 STILE F2		ALT 3	MAY 45			MAY 45		
CG- 211494 SX		17C10	CHP- 211501 SA-3			CBX- 211507 BT		
MAGNETIC CONTROLLER: AMENDMENT 2 RATED: 440/3/60, 49.3 AMPS, 40 HP, SIZE 3, DRIPPROOF ENCLOSURE. CONTINUOUS DUTY, 50°C AMBIENT, CLASS A INSULATION. CLASS A SERVICE; AUTOMATIC PERFORMANCE. INCLUDES LOW VOLTAGE PROTECTION PLUS OVERLOAD PROTECTION WITH ELECTRIC RESET.			TIMING MOTOR, AC: SYNCHRONOUS, 115/1/60, 0.031 AMPS 20 IN OZ MAX. INPUT: 110V, 2 WATTS. 1/60 RPM. RANDOM WINDING; 16 POLES. DC RES. OF FIELD. 770 OHMS 2 OIL IMPREGNATED POROUS BRONZE BEARINGS. *CPD:946-11894			MOTOR AC (GEAR REDUCTION): RATED 115/1/60, 0.07 AMP 7.5 WATTS. 30 IN. OZ. TORQUE, 1800 RPM REDUCED TO 10 RPM BY MEANS OF BUILT-IN SPUR-GEAR SPEED REDUCER. 4 POLES. CONTINUOUS DUTY. SYNCHRONOUS CAPACITOR START & RUN TYPE. CAPACITOR SUPPLIED WITH MOTOR, BUT IS 4/11/45 KYC-22(X00)		DWG IN FILE
4/3/45 CR-5130-B23H		CG-11K2957-AA	4/5/45 1600		CHP-299	MAY 45		8122-180
MAY 45		REV 0	MAY 45		REV. 0 *			
CG-211495 SP-1M			CVN- 211502 SG-1			MTD. SEPARATELY.		CBX- 211507
MOTOR AC DRIVE: TORQUE 48 IN. OZ. 115/1/60, 0.058 AMPS. 3 WIRE REVERSIBLE. PERMANENT MAGNET. SYNCHRONOUS INDUCTOR TYPE. AMBIENT TEMP. RANGE 0° TO 50°C. SYNCHRONOUS SPEED OF MOTOR 100 RPM REDUCED TO 1 RPM BY MEANS OF GEAR TRAIN.			BLOWER MOTOR ASSEMBLY: CAY TYPE FH 125 MOTOR RATED 1/12 HP, 110/1/60, 2.2 AMPS, 1725 RPM. RESILIENT MOUNTED, SLEEVE BEARING. CONTINUOUS DUTY; AMBIENT TEMP. 40°C. MOTOR, BLOWER, BLOWER HOUSING, AND MOUNTING BASE ASSEMBLED BY CVN. BLOWER RATING: 4/5/45 SIZE R-11					
4/3/45 6SMY20J85		K-8396666-P21	4/5/45 DES-9		CVN:L20-5701-A			G3 REV C
MAY 45		REV 0						
CG-211496 SP-1M			CVN- 211502			CVN- 211508 TOP		
MOTOR, DC: RATED 1/2 HP, 250V DC ARMATURE, 300V DC FIELD, 1.9 AMPS, 3450 RPM. SHUNT WOUND, CONTINUOUS DUTY; TEMP. RISE 55°C. MOTOR WILL ROTATE COUNTERCLOCKWISE BY INTERCHANGING FIELD POLARITIES. 2 MAIN POLES AND TWO INTERPOLES.			1/8" SP, 305 CFM; 1/4" SP, 250 CFM; 3/8" SP, 185 CFM.			BLOWER MOTOR ASSEMBLY: BLOWER UTILITY, 120 CFM AGAINST BACK PRESSURE OF 3" OF WATER, OUTPUT AT TOP, CLOCKWISE ROTATION VIEWED FROM MOTOR END, 115 VOLTS, 50-60 CYCLES, SINGLE PHASE, 2875 TO 3450 RPM.		
4/3/45 6BC46A9357		N-5884703				4/12/45 CVH:3/0 458165		CYJ:L15-16991-A
MAY 45		REV 30				MAY 45		
CG-211497 SP-1M			CBX- 211503 WFA			CG- 211509 TOP		
MOTOR, AC: RATED 1/3 HP, 115/1/60, 4.0 AMPS, 1725 RPM. CONTINUOUS DUTY; TEMP. RISE 45°C.			MOTOR AC: RATED 1/50 HP, 115/1/60, 1800 RPM. SYNCHRONOUS, CAPACITOR START TYPE. HAS 4 MFD CAPACITOR, 4 POLES. BALL BEARINGS. ROUND BODY, VENTILATED.			BLOWER MOTOR: INDUCTION TYPE, SPLIT PHASE, RATED 115/1/50, 1/4 HP, FULL LOAD CURRENT 2.9 AMP. CONSTANT SPEED 2875 RPM. PF 70%.		
4/3/45 5KC49A8621		K-8169415-G4	4/6/45 NYC-13		CBM-1000T-33	4/12/45 CG:5KH47EB66		IN FILE
MAY 45		REV 4	MAY 45		ALT 0	MAY 45		
CBX- 211498 SP-1M			CAE- 211504 *SEE BELOW			CAY- 211510 TOP		
MOTOR, AC: RATED 1/1000 HP, 115 VOLTS, 60 CYCLES. 3-WIRE REVERSIBLE 4 RPM. AMBIENT TEMP. RANGE 0°-70°C.			MAGNETIC CONTROLLER: RATED: 3/4 HP, 440V, 3 PHASE, 60 CYCLES, 5 AMPS. AMBIENT TEMPERATURE 40°C. DRIP-PROOF ENCLOSURE. SEMI-AUTOMATIC OPERATION. HAS OVERLOAD PROTECTION, SIMILAR TO TYPE -211157 EXCEPT FOR DIFFERENCE *FOR USE WITH QGA-1			BLOWER MOTOR: INDUCTION TYPE, SPLIT PHASE, RATED 115/1/60, 1/4 HP, FULL LOAD CURRENT 3.4 AMPS. CONSTANT SPEED 3450 RPM. PF 79%.		
4/3/45 KCI-22RC		CBX-12769	4/5/45 CBM-565H		CBM:SK-6013	4/12/45 CAY-1178284A		IN FILE
MAY 45			MAY 45		ALT 0	MAY 45		FH FRAME #145

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CARB-211511 TDY	17M10		CDA-211516 GEN. RADAR USE	RE 9647		CAXC-211522		
MOTOR AC: RATED 110/115 VOLTS, 1 PHASE, 50/50 CPS, 0.14/0.12 AMPS, 0.8/0.95 OZ. IN. MIN. STARTING TORQUE, 2500/3000 RPM, OUTPUT: 1.9/2.2 WATTS AT 110 VOLTS AND 2.1/2.5 WATTS AT 115 VOLTS, CONTINUOUS DUTY. SAME AS -211371 EXCEPT WIRED FOR COUNTER. 4/16/45 J49CC CG:M-7473795-3 MAY 45			SERVO MOTOR RATED 115/115V, 2 PHASE, 60 CPS, 2 POLES. BOTH WINDINGS IDENTICAL, RATED 100 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM. 4/16/45 MAY 45			TORQUE 3.7 OZ. FT. MIN AT 110V RMS. NOT TO BE USED ON SHIPBOARD.		
CLOCK- WISE INSTEAD OF CLOCKWISE ROTATION, RE- QUIRES 1.0 MFD CAPACITOR FOR OPERATION, NOT INCLUDED IN THIS TYPE NUMBER.	CARB-211511		CDA-211517 GEN. RADAR USE	RE 9647		CDA-211523 BN		
			SERVO MOTOR RATED 115/115 VOLTS, 2 PHASE, 60 CPS, 2 POLES, BOTH WINDINGS IDENTICAL, RATED 200 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM. 4/16/45 MAY 45			SERVO MOTOR: RATED 50/50 VOLTS, 2 PHASE, 60 CPS, 2 WATTS, INPUT EQUALS 0.15 AMP MAX, OUT- PUT VOLTAGE 88/92, BOTH WINDINGS IDENTI- CAL.		
CKO-211512	SEE BELOW 17G7(INT)		CDA-211518 GEN. RADAR USE	RE 9647		CAY-211524 MK 8 MOD 4		
GENERATOR, DC RATED 120V DC, 16.6 AMPS, 2 KW, 1725 RPM, SELF-EXCITED BY 120V, 0.54 AMPS, AMBIENT TEMPERATURE 50°C; TEMPERATURE RISE 50°C CONTINUOUS, 2 MAIN POLES & 2 INTERPOLES; 2 BALL BEARING TYPE, TILT & FOR GENERAL RADIO USE NXSIF-77842 4/16/45 MODEL 385U07 MAY 45 TYPE 1158			SERVO MOTOR RATED 115/115 VOLTS, 2 PHASE, 60 CPS, 2 POLES, BOTH WINDINGS IDENTICAL, RATED 400 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM. 4/16/45 MAY 45			GYRO-MOTOR ASSEMBLY: MOTOR RATED 1/60 HP, 110V, 3 PHASE, 240 CYCLE, 2 POLE 15000 RPM SYNCHRONOUS MOTOR, FULL LOAD 0.155 AMPS. *CAY-15-A-8665 CHANGE 3 9-B-6996 CHANGE 0 4/20/45 S#1284006 *SEE ABOVE MAY 45		
CKO-211512	SEE BELOW 17G7(INT)		CDA-211519 GEN. RADAR USE	RE 9647		CAY-211525 MK 8 MOD 4		
GENERATOR, DC RATED 120V DC, 16.6 AMPS, 2 KW, 1725 RPM, SELF-EXCITED BY 120V, 0.54 AMPS, AMBIENT TEMPERATURE 50°C; TEMPERATURE RISE 50°C CONTINUOUS, 2 MAIN POLES & 2 INTERPOLES; 2 BALL BEARING TYPE, TILT & FOR GENERAL RADIO USE NXSIF-77842 4/16/45 MODEL 385U07 MAY 45 TYPE 1158			SERVO MOTOR RATED 300/300 VOLTS, 2 PHASE, 60 CPS, 4 POLES, BOTH WINDINGS IDENTICAL, RATED 750 WATTS AT 1700 RPM, SYNCHRONOUS SPEED 1820 RPM. 4/16/45 MAY 45			AC MOTOR BLOWER ASSEMBLY: MOTOR RATED 110V 240 CY -3 PH -4P-6000 RPM. 4/20/45 S#1381735 CAY-2-C-8451 MAY 45 CHANGE 2		
CKO-211513	SEE BELOW 17M10(INT)		CAEN-211520 MK 13 MOD 0			CAY-211526 MK 8 MOD 4		
MOTOR, A.C. RATED: 220/3/60, 10.3 AMPS, 4 HP, 63.6 PF 1725 RPM, AMBIENT TEMPERATURE 50°C NOMINAL; TEMPERATURE RISE 50°C, SERIES STAR TYPE OF WINDING; 4 MAIN POLES, TILT & SHOCK PROOF, SPEED REGULATION 4%, 2 FOR GENERAL RADIO USE NXSIF-77842 4/16/45 MODEL 40L04 MAY 45 TYPE 1159			GENERATOR, AC: OUTPUT: NOMINAL OUTPUT VOLTAGE 3.0 AT 30 RPM; CAN DELIVER 18 TO 19 VOLTS INTO A 27000 OHM NON-INDUCTIVE LOAD FROM EACH OF THE SINGLE-PHASE WINDINGS AT A ROTOR SPEED OF 1725 RPM, GENERATOR CONSISTS OF STATOR STRUCTURE UPON WHICH ARE 4/17/45 G-500 CW:KS-15062- MAY 45 FIG 1 ISS 3			AC SERVO MOTOR: MOTOR RATED 4 WATTS, 40°C TEMP RISE 24.0 CYCLES, 4 POLES, 55V 2Φ COMPENSATED WINDING 6500 RPM, FIXED FIELD IS LOCKED ON THE LINE 55V, 15 AMPS CONTROL FIELD IS FED FROM LEVEL AND CROSS LEVEL AMPLIFIER, 0-55V 0 TO 0.5 4/20/45 S#1281223 CAY-3-2-6563 CHG 3 MAY 45 2-C-5355 CHG 2		
CKO-211514	SEE BELOW RE 13A964		CAEN-211520			CAY-211526		
MOTOR GENERATOR SET CONSISTS OF ONE TYPE CKO-211512 DC GENERATOR AND ONE TYPE CKO-211513 AC MOTOR, SUPPLY: 220/3/60. FOR GENERAL RADIO USE NXSIF-77842 4/16/45 MAY 45			MOUND 4 COILS TO PROVIDE 2 VOLTAGES EQUAL IN VALUE BUT 90° APART IN PHASE, & A PERMANENT MAGNET ROTOR ARRANGED TO MOUNT ON A MOTOR SHAFT EXTENSION, SUIT- ABLE FOR OUT DOOR OPERATION IN TEMPERA- TURES FROM -40°C TO +50°C AND IN TROPIC- AL & ARCTIC CLIMATES.			AMP. 4-C-1747 CHG 0 4/21/45 ADS CAY-8-6485 MAY 45 CHG 8 *		
CDA-211515 GEN. RADAR USE	RE 9647		CARU-211521 QCR-1			CAY-211527 MK 8 MOD 4		
SERVO MOTOR RATED 115/115, 2 PHASE, 60 CPS, 2 POLES, BOTH WINDINGS IDENTICAL RATED 50 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM. 4/16/45 MAY 45			MOTOR, AC: RATED 1/40 HP, 115/1/60, 0.5 AMPS, 3400 RPM, 2 POLES, SHADED POLE WINDING, TEMP. RISE 45°C ABOVE AMBIENT BETWEEN 0°C, AND 165°C, CONTINUOUS DUTY CYCLE, GILITE SLEEVE BEARINGS. *CARU:28-C CHG. 10 4/18/45 TE1A6G CBM-1000T-4E MAY 45 ALT O 832-16 *			DC MOTOR: RATING 2 WATTS, OUTPUT 24V FIELD, 0.152 AMPS 45V ARMATURE 0.35 AMPS, 10,000 RPM, SHUNT WOUND SEP EXCITED FIELD. *4-C-1747 CHG 0 4/21/45 ADS CAY-8-6485 MAY 45 CHG 8 *		
CDA-211515 GEN. RADAR USE	RE 9647		CAXC-211522 T8F-3	17M10 (INT)		CAY-211528 BN		
SERVO MOTOR RATED 115/115, 2 PHASE, 60 CPS, 2 POLES, BOTH WINDINGS IDENTICAL RATED 50 WATTS AT 2400 RPM, SYNCHRONOUS SPEED IS 3600 RPM. 4/16/45 MAY 45			MOTOR, AC: RATED 1/100 HP, 115V RMS/1/60, 0.4 AMP, 69 RPM WORMGEAR REDUCTION SPEED, 0-50°C AMBIENT, CONTINUOUS DUTY, 4 POLES, COUNTERCLOCKWISE ROTATION LOOKING AT OUTPUT SHAFT, BALL BEARINGS, STARTING *SPEC. 1646-J ISS. G 4/19/45 301-4415 CWQ-25A530 MAY 45 FRAME F-32GF ISS C *			BLOWER MOTOR ASSEMBLY CONSISTS OF A MOTOR CONNECTED TO A FAN, ASSEMBLED IN A COMMON HOUSING, MOTOR IS RATED 105-125 VOLTS 60 CPS, 0.38 AMP, NORMAL CURRENT, 27 WATTS NORMAL POWER, 3150 RPM, BLOCKED CURRENT 0.42 AMP, CON- TINUOUS DUTY CYCLE, AMBIENT TEMP -35°C 4/21/45 APR. 45 CFN:500503 REV 12		

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TO +60°C.
CAY-211528

CDA-211536 MK 22
MOTOR, SPLIT-PHASE:
RATED 1/12 HP, 115V, 60 CYCLES, SPLIT
PHASE, 3.2 AMPS, INDUCTION TYPE: SERIES
WOUND, 3400 RPM, TEMP. RISE OF 50°C BY
RES. OR 30°C ON BEARINGS IN AMBIENT TEMP
BETWEEN 10°C AND 40°C, APPROX 97% SPEED
REGULATION, SEMI-ENCLOSED, SELF-VENTI-
4/25/45 CW:KS-5854 L01 CH:KS-5854-
MAY 45 FIG 1 ISS 2

CJO-211540 AN/SPR-2
BLOWER FAN MOTOR AC:
RATED 1/100 HP, 100-125V, 60 CYCLES AC
7000, RPM, FULLY ENCLOSED CYLINDRICAL
FRAME, COUNTER CLOCK WISE ROTATION.

4/26/45 C-2XN-3X CGO-59K102307
MAY 45 ISS. A

CAY-211529 BN
BLOWER MOTOR ASSEMBLY
CONSISTS OF A MOTOR CONNECTED TO A FAN,
ASSEMBLED IN A COMMON HOUSING, MOTOR IS
RATED 105-125 VOLTS, 60 CPS, 24 WATTS,
0.27 AMP, MAX, CONTINUOUS DUTY CYCLE,
AMBIENT TEMP. -35°C TO +60°C.

4/21/45 CFN:300521
APR. 45 REV 7

CDA-211536
LATED, MOTOR-HOUSING OF DIE-CAST ALUMI-
UM, BALL BEARINGS.

CBX-211541 QCM-QCH
MOTOR, AC:
RATED 1/200 HP, 230/1/60, 0.25 AMPS,
1800 RPM SYNCHRONOUS, POWER FACTOR 80%,
4 POLES, CONTINUOUS DUTY CYCLE WITH 40°C
TEMP. RISE ABOVE AMBIENT OF 55°C, HAS
ROUND SHAFT.

4/28/45 NSY12 CBM-722-433
MAY 45

CAY-211530 MK 8 MOD 4
MOTOR GENERATOR UNIT:
GENERATOR RATED 35V DC AT 0.3 AMPS,
OUTPUT MOTOR RATED 115V, 60 CYCLES, 3
PHASE, 3,400 RPM.

4/21/45 S#1282260 CAY-949391
MAY 45 CHANGE 2

CBZ-211537 TEC
MAGNETIC CONTROLLER:
RATED 3 HP 220V, 3Φ, CONSISTS OF 3 PST,
NORMALLY OPEN CONTACTS, RATED 25 AMPS,
230V, 60 CYCLES, COIL CONSISTS OF 2530
TURNS OF #33 WIRE, 180 OHMS DC RES.,
0.67 AMPS INRUSH, 0.105 AMPS SEALED,
230V, 60 CYCLES, HAS ONE NORMALLY OPEN
4/25/45 B-709 OPEN SIZE 1 Y-3219-D
MAY 45 FORM 2 #435471

CAXW-211542 QCS-1
STEP-BY-STEP MOTOR:
RATED 1/50 HP, 70V DC, 1.0 AMP, 360 RPM,
MULTIPLE SHUNT WINDING; 6 STATOR POLES,
2 ROTOR POLES, RESISTANCE PER COIL IS
312 OHMS ±5% AT 25°C, TEMP. RISE 40°C IN
AMBIENT BETWEEN 0 AND 50°C, HAS MARK 14
MOD 0 SPERRY REPEATER COMPASS MOVEMENT.
5/3/45 CAXW: CBM-1000T-32
MAY 45 CBM-757-615 ALT 0

CAY-211531 MK 8 MOD 4
FREQUENCY CONVERTER:
MOTOR RATED 3500 RPM, 110 OR 220V, 3
PHASE, 60 CYCLES 2 POLES SQUIRREL CAGE
TYPE INDUCTIVELY WOUND, GENERATOR RATED
110/3/60, INDUCTIVE WOUND ROTOR, OUTPUT
110/3/240, 5KW ARMATURE 6 POLES.

4/21/45 S#1261642 CAY-45-J-675
MAY 45 CHG 3

CBZ-211537
INTERLOCK, COIL TROPICALLY IMPREGNATED.

CG-211543 NMB-2
MOTOR, AC
RATED 110/1/60, 4 WATTS, TORQUE 0.375
POUND-INCHES, 1 RPM, PF 0.44, SHADED
POLE WINDING - SQUIRREL CAGE ROTOR, 2
POLES, CONTINUOUS DUTY, OPEN FRAME,
SLEEVE BEARINGS, INCLUDES FIELD FOR
SELF-EXCITATION.
5/5/45 TELECHRON B3 CBM:712-3056
MAY 45 612M168 ALT 0

CWR-211532 TEC
PUMP MOTOR ASSEMBLY:
CONSISTS OF 3PHASE INDUCTION MOTOR AND
WATER COOLING PUMP, MOTOR RATED 5 HP, 3Φ
50/60 CYCLES, 220V AC, 3000/3600 RPM,
COUNTER CLOCKWISE ROTATION, PUMP CAPACITY:
25 GPM 72 LBS PRESSURE, 168 FT. HEAD,
MOTOR WITH TROPICAL INSULATION.
4/22/45 1 1/2-DE-8 E46770 W1795
MAY 45 FRAME 225 REVISED 12-41

CBZ-211538 TEC
MAGNETIC CONTROLLER:
RATED 1 HP, 220V, 3Φ, CONSISTS OF 3 PST,
NORMALLY OPEN CONTACTS, WITH ONE-NORMAL-
LY OPEN INTERLOCK, CONTACTS RATED 15 AMP
230V 60 CY, COIL CONSISTS OF 3030 TURNS
#34 WIRE 270 OHMS, DC RES, 0.44 AMPS
INRUSH, 0.098 AMPS SEAL, COIL TROPICALLY
4/25/45 B709 SIZE 0 Y-4629-D
MAY 45 OPEN #435472

CANY-211544 DBD
INVERTED ROTARY CONVERTER
NOMINAL INPUT: 24V DC, 250 VOLT AMPERES,
OUTPUT VOLTAGE: 115/1/400, 190 VOLT
AMPERES AT 0.9 POWER FACTOR, INCLUDES
STARTING RELAY, SEPARATE INPUT & OUTPUT
CONNECTORS, & DUST COVER, HAS ADDITIONAL
QCEA TYPE 778 MODEL 4 STYLE B MODIFIED
5/7/45 QSEE ABOVE
MAY 45

CCF-211533 TEC
BLOWER MOTOR ASSEMBLY:
CONSISTS OF A MOTOR WITH 2 BLOWER FANS
IN EACH END, MOTOR RATED 1 HP, 1140 RPM,
220V, 50-60 CYCLES 3Φ, CONSTANT SPEED
SQUIRREL CAGE, BALL BEARING WITH DOUBLE
SHAFT EXTENSION.

4/22/45 #150 DOUBLE BLOWER H-69387
MAY 45 H-69387 CHANGE 0

CBZ-211538
IMPREGNATED.

CANY-211544
TERMINAL NOT USED IN MODEL DBD EQUIP-
MENT, OUTPUT OF WHICH IS 26/1/400, 60
VOLT AMPERES, 0.4 POWER FACTOR.

CCF-211534 TEC
BLOWER MOTOR ASSEMBLY:
CONSISTS OF A MOTOR AND WATER COOLING
RAD4ATOR FAN, MOTOR: 1 1/2 HP, 950/1/
40 RPM, 220V, 50/60-, 3Φ, TROPICAL IN-
SULATION, BALL BEARING ENCLOSED, NON-
VENTILATED, FAN HAS 2 BLADED 20" CX
WHEEL, CAPACITY 13,500 CFM, AT 25" SP,
4/22/45 VENTURA 0-1312E
MAY 45 CHANGE 0

CBZ-211539 TEC
MAGNETIC CONTROLLER:
RATED 5 HP, 220V, 3Φ, CONSISTS OF 3 PST,
2 BREAKS PER CIRCUIT, CONTACTS RATED
25 AMPS 230V, 60 CYCLES, COIL CONSISTS
OF 2530 TURNS #33 WIRE 180 OHMS DC RES,
0.67 AMPS INRUSH, 0.105 AMPS SEALED, ONE
NORMALLY OPEN INTERLOCK SWITCH, COIL
4/25/45 B709 SIZE 1 Y-3219-D
MAY 45 FORM 2#435471

CAYB-211545 DBD
FREQUENCY CONVERTER
DRIVING MOTOR RATED 1/3 HP, 115/1/60,
2.5 AMPS, 3450 RPM, CONTINUOUS OPERA-
TION, 40°C MAXIMUM TEMPERATURE RISE,
GENERATING END RATED 200 WATTS, 115/1/
400, 1.7 AMPS, BUILT IN SINGLE CASE &
RUNS ON SINGLE SHAFT.
5/7/45 SA4
MAY 45

CPG-211535 MK 22
MOTOR, DC:
RATED 28V DC, 4 WATT OUTPUT, 6000 RPM,
SHUNT WOUND, REVERSIBLE, TEMP RISE 35°C
IN ANY AMBIENT BETWEEN 10° AND 40°C,
BALL BEARINGS, ENCLOSED FRAME, NATURALLY
VENTILATED, HAS 2 BUSHES, ONE COMMUTA-
TOR.

4/25/45 CW:KS-5603-L01 CW:KS-5603 FIG 1
MAY 45 ISS. 6

CBZ-211539
TROPICALLY IMPREGNATED.

CAVV-211546 AN/SPT-6A
MOTOR, DC
RATED 28V DC, 1.70 AMP, AFTER 3 MIN,
RUN; 8500 RPM MINIMUM, 9350 RPM MAXIMUM
AFTER 3 MIN RUN, CCW ROTATION SHAFT END,
THIS IS SHUNT WOUND, TOTALLY ENCLOSED
MOTOR WITH TWO #20 WIRE LEADS.

5/7/45 525 SPECIAL CKV:A-101652-1
MAY 45 REV 0

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CARB-211547 RDZ 17-M-10(INT)
 MOTOR, AC
 RATED 115/1/60, 0.7 AMPS, 3000 RPM, INTERMITTENT DUTY. FOR CLOCKWISE OR COUNTERCLOCKWISE ROTATION. HAS LEADS APPROX. 13" LONG BROUGHT OUT, TOTALLY ENCLOSED. SQUIRREL CASE ROTOR, HIGH TORQUE, CAPACITOR MOTOR.
 5/9/45 CARB:J49F CNA:H560-6
 MAY 45 REV 0

CM-211543 GEN. RADAR USE 16A19(RE)
 SYNCHRO GEAR TRAIN UNIT
 CONSISTS OF A CASTING ON WHICH ARE 1 MOUNTED THE SYNCHROS, SERVO MOTOR, GEARS, DIALS, STOPPING DEVICE AND MISCELLANEOUS COMPONENTS. SERVO MOTOR DRIVES ROTORS OF DIFFERENT SYNCHROS THROUGH GEAR TRAIN. USED IN NAVY TYPE -50262 DG
 5/9/45
 MAY 45

CM-211548
 SYNCHRO AMPLIFIER. SAME AS TYPE -211357 EXCEPT 7 DG SYNCHRO REMOVED AND 6 DG SYNCHRO CAPACITOR ADDED.

CARB-211549 SR-2
 BLOWER MOTOR ASSEMBLY
 CONSISTS OF A MOTOR CONNECTED TO A FAN, ASSEMBLED IN A COMMON HOUSING. MOTOR IS RATED 115V, 60 CPS, 0.1 AMP, 11.5 WATTS, 3300 RPM, 1/250 HP. MAX TEMP. RISE OF 25°C ABOVE AMBIENT OF 50°C FOR CONTINUOUS OPERATION. BLOWER TO SHIP IN CUBIC
 5/10/45 J50A-CC CRV:M-439007-1
 MAY 45 (MOTOR) REV 2

CARB-211549
 FT. OF AIR PER MINUTE. SINGLE PHASE. TOTALLY ENCLOSED. REQUIRES A 1 MFD. CAPACITOR. COUNTER CLOCKWISE ROTATION. VIEWED FROM MOTOR END.

ATC-211550 AN/CPN-6
 LOWER MOTOR ASSEMBLY
 TYPE K-8701442 MOTOR RATED 1/25 HP, 15/1/50-70, 3400 RPM; CAPACITOR START, INDUCTION TYPE; SEMI-ENCLOSED, DRIP-PROOF; CONTINUOUS DUTY WITH 40°C TEMP. RISE ABOVE AMBIENT BETWEEN -40°C AND 70°C ASSEMBLY RILL OF MATERIAL 5043G
 7/11/45 DSEE ABOVE CGG:51D100537
 JUN. 45 ISS C

CATC-211550
 +50°C; 7 AMPS, MAX. STARTING CURRENT. BLOWER TO DELIVER 40 CFM FREE AIR. CLOCKWISE ROTATION.

CATC-211551 AN/CPN-6
 TWIN BLOWER MOTOR ASSEMBLY;
 CG TYPE K-8701443 MOTOR RATED 1/25 HP, 115/1/50-70, 3450 RPM; CAPACITOR START, INDUCTION TYPE; SEMI-ENCLOSED, DRIP-PROOF; CONTINUOUS DUTY WITH 40°C TEMP. RISE ABOVE AMBIENT BETWEEN -40°C AND 80°C ASSEMBLY RILL OF MATERIAL 5043G
 5/11/45 DSEE ABOVE CGG:51D100536
 JUN. 45 ISS E

CATC-211551
 AND +50°C; 7 AMPS, MAX STARTING CURRENT. EACH BLOWER TO DELIVER 30 CFM FREE AIR. CLOCKWISE ROTATION.

CG-211552 CAM
 MOTOR, AC
 RATED 3/4 HP, 115 OR 230/1/60, 10/5 AMPS, 702 PF, 1725 RPM FULL LOAD, 1800 RPM NO LOAD. SELF-EXCITED. CAPACITOR START. INDUCTION RUN TYPE. 40°C TEMP. RISE ABOVE 50°C AMBIENT WITH CONTINUOUS DUTY CYCLE. SLEEVE TYPE BEARINGS. OPEN.
 5/15/45 5KC73A8163B GEH-847D
 MAY 45 ISS D

CG-211552
 DRIP-PROOF FRAME. SOLID BASE.

CBX-211553 SF 17-M-17(INT)
 MOTOR, DC
 RATED 1/12 HP, 115V DC, 1.0 AMP, 1725 RPM. SHUNT WOUND; 2 POLES. REVERSIBLE. 40°C TEMP. RISE, CONTINUOUS DUTY CYCLE. SINGLE SEALED BALL BEARINGS.

QNSH-53 FRAME CAT. #B-2418X
 5/16/45 CBM:922-97 CBX:CAT. SEC.
 MAY 45 DSEE ABOVE 3045

CBX-211554 SF 17-M-17(INT)
 MOTOR, GEAR REDUCTION
 RATED 1/70 HP, 115V DC, 0.28 AMPS, 1725 RPM FULL LOAD. SHUNT WOUND. REVERSIBLE. 2 POLES. WORN GEAR REDUCTION 630 TO 1. CONTINUOUS DUTY. TEMP. RISE 45°C.

QNSH-12R FRAME CAT. #B2150EX2-630
 5/16/45 DSEE ABOVE CBM:1000T-36
 MAY 45 ALT 0

-211555 QGA-1
 BLOWER MOTOR ASSEMBLY
 CONSISTS OF CATC-681 BLOWER AND (CAO) K-83 MOTOR. MOTOR RATED 3200 RPM, 115V, 1 PHASE, 60 CYCLES AC, 1/50 HP, 1.03 AMPS, CONTINUOUS DUTY. CLASS A INSULATION. OPEN TYPE ENCLOSURE. STATOR CONDUCTOR
 5/16/45 CAO:K-83 CBM:1000T-37
 MAY 45 MOTOR 0 ALT 2

-211555
 SISTS OF 288 TURNS #23 WIRE, 74 OHMS DC RES. ROTOR CONSISTS 11 BARS OF 1 13/16 X 0.156" DIA. BLOWER RATED 3200 RPM. 70 CFM CAPACITY.

CG-211556 TDH
 MOTOR, AC
 RATED 1/4 HP AT 50 CPS, 1/3 HP AT 60 CPS, 230V AC, 1 PHASE; 1140 RPM, 6 POLES, COUNTERCLOCKWISE ROTATION. OPEN SLEEVE BEARING. 3/4" SHAFT, 3/16 X 3/32 KEYWAY WITH MANUAL RESET THERMO-PROTECT
 *COL:009 2220 00 REV 1
 5/17/45 5KC65A3112 CG:K-5802758-2
 MAY 45 REV 7 *

CG-211556
 TION.

CAQ-211557 TDH
 MOTOR, AC
 RATED 1/3 HP, 230/1/60, 950 RPM, 6 POLES, COUNTERCLOCKWISE ROTATION. SLEEVE BEARINGS, 0.6241" SHAFT DIAM. HAS MANUAL RESET THERMO-PROTECTION.
 *COL:009 2220 00 REV 1
 5/17/45 KP-167 FRAME CAQ:6440
 MAY 45 REV A *

CEX-211558 TDH
 MOTOR, AC
 RATED 1/4 HP, 230/3/50-60, 1425 RPM AT 50 CYCLES; 1725 RPM AT 60 CYCLES. 40°C TEMP. RISE IN 60°C AMBIENT. DUTY CYCLE: 15 SECONDS ON; 285 SECONDS OFF. REVERSIBLE. REVERSING POWER APPLIED BY RELAY WHICH OPERATED IN LESS THAN 0.022 SEC.
 5/17/45 COL:252 0004 00
 MAY 45 REV 0

CEX-211558
 ONDS. FAFNIR 203T OR 203KT BEARINGS.

CARB-211559 MK 32 MOD 1
 BLOWER MOTOR ASSEMBLY
 MOTOR RATED 115/1/60, 0.12 AMPS, 3300 RPM, 13 WATTS INPUT 90% POWER FACTOR. STARTING TORQUE IS 1 OZ. IN. CONTINUOUS DUTY. INCLUDES A 1 MFD. CAPACITOR. BLOWER CAPACITY IS 6 CFM.
 5/17/45 J54 CAOS:8456073
 MAY 45 REV 0

CATC-211560 TDP
 BLOWER MOTOR ASSEMBLY
 FAN, 8" FACE, SYNCHRONOUS TYPE INDUCTION MOTOR -211561. DOES NOT NEED LUBRICATION AT ANY TIME. COMPLETE MOTOR IS SEALED AND IS TAMPER PROOF.

5/18/45 51-1VAX CTJ:SK13-131
 MAY 45 REV 0

CATC-211561 TDP
 MOTOR, AC
 SYNCHRONOUS TYPE INDUCTION MOTOR. 115/1/50-60 CPS, 1/725 HP, 1350 TO 1500 RPM. BALL BEARINGS FOR VERTICAL OPERATION. USED IN -211560.

5/18/45 51 FR CTJ:SK13-132
 MAY 45 REV 0

CBX-211562 YR
 MOTOR, A.C.:
 RATED 110V AC, 60 CPS. THE REDUCTION DRIVE SHAFT (0.3125 DIA X 3 1/2" LONG) IS AT RIGHT ANGLE TO MOTOR DRIVE SHAFT & SHALL ROTATE CLOCKWISE AT 9.5 RPM. THE TORQUE AVAILABLE AT 9.5 RPM. SHALL BE AT LEAST 25 IN LBS. MOTOR SHALL START
 5/21/45 NSI-12R CDE:C-1757
 JUN. 45 REV A

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CBX- 211562
AND OPERATE AT AMBIENT TEMPERATURE BETWEEN -40°C TO +60°C AND FROM LOW VALUES TO 95% HUMIDITY. ALL EXPOSED SURFACES TREATED TO WITHSTAND 200 HOURS SALT SPRAY TEST.

CBX- 211563 RDC-1
AC MOTOR ASSEMBLY; CONSISTS OF SYNCHRONOUS MOTOR, RATED 1/75 HP, 115/1/60, 1800 RPM, CONTINUOUS DUTY; SHOCK MOUNTING; AND GEAR HOUSING ASSEMBLY.

5/22/45 NSY-12 CHL-71A172-C
JUN. 45

CASN- 211564 NK-7
MOTOR, DC:
RATED 1/230 HP, 6V DC, 2.5 AMPS, 3000 RPM, SHUNT WOUND; 2 POLES, CONTINUOUS DUTY; 40°C TEMP. RISE, ALUMINUM FRAME, BALL BEARINGS.

5/22/45 EMC-10 CBM-1000T-23
JUN. 45 SPEC. 49351

CAKG- 211565 GEN. RADIO USE
MOTOR GENERATOR UNIT:
2 BEARING TYPE. CONSISTS OF MOTOR RATED 105 TO 130V DC; 9.2 AMPS; 1.25 HP, 1800 RPM; AND GENERATOR RATED 115/1/60, 4.35 AMPS, 0.5 KVA, 85% POWER FACTOR, 50° AMBIENT, 60° TEMPERATURE RISE, CONTINUOUS OPERATION, SELF-EXCITED.

5/22/45 315400 N6sr-784
JUN. 45

CBX- 211566 RDG
MOTOR, AC:
SYNCHRONOUS, INDUCTION TYPE, RATED 115V AC, 60 CPS, 2.3 AMPS, 65 WATTS, 1 1/20 HP, 1800 RPM CONSTANT; MAX TEMP. RISE FOR CONTINUOUS OPERATION, 40°C ABOVE AMBIENT OF 50°C. TWO SLEEVE TYPE BEARINGS.

5/25/45 MSY-34 CNA:J166
JUN. 45 REV 0

CAJ- 211567 RFG
MOTOR, AC:
SYNCHRONOUS; CAPACITOR TYPE, RATED 115/1/60, 10 WATTS, 4 RPM, TOTALLY ENCLOSED; SLEEVE TYPE BEARINGS.

5/25/45 RWC-2505 N-55-98
JUN. 45

CHP- 211568 SJ
TIMING MOTOR
RATED 110/1/60, 3.6 WATTS INPUT, 180 TO 1/80 R.P.M. INDUCTION TYPE, TOTALLY ENCLOSED, CLOCKWISE ROTATION, 5 IN. OZ. TORQUE AT 1 RPM, 60 CPS, 2 WATTS, 24" LEADS WITH LEAD LOCATION AT 6 O'CLOCK.
*SPEC. KS-10162, ISS. 8
5/26/45 1600 CW:80-10519
JUN. 45 ISS. 8 *

CHP- 211568
LUBRICATED TO OPERATE FROM -30°C TO +100°C. OPERATES A SHAFT BACK AND FORTH TO OPEN AND CLOSE A SET OF CONTACTS.

CG- 211569 SC 17-M-17
MOTOR, DC
RATED 1/6 HP, 250V DC, 0.9 AMPS, 1140 RPM, SELF-EXCITED, CONTINUOUS DUTY, TEMP. RISE 40°C ABOVE AMBIENT OF 40°C. PH WINDING, OPEN CONSTRUCTION, BALL BEARINGS, NO SHUNT FIELD WINDING. 6 *MM 5051437, REV. 4
5/28/45 588Y47A83 CG:M-7465569
JUN. 45 REV. 9 *

POLES.

CBX- 211570 CAN-55181
MOTOR AC
RATED 1/75 H.P. 115/1/60, 1.0 AMP, 1800 R.P.M. SYNCHRONOUS INDUCTION, SPLIT PHASE, 4 POLE, 45°C TEMP RISE, SELF-VENTILATED, BALL BEARINGS.

*CBX:12801 CHG. 0
5/29/45 NSY-12 CAN:800100
JUN. 45 CAT#82246 ALT. 1 *

CCF- 211571 SR-3
BLOWER MOTOR ASSEMBLY
CONSISTS OF A 7 5/8" SPECIAL VENTURA FAN, AND A BALL BEARING MOTOR, 115/1/60, 1/12 HP, 3450 RPM, CCW ROTATION, AMBIENT OF 50°C.
@CBX: NSY-35 (FRAME) 4262X (MOTOR)

5/30/31 @SEE ABOVE CCF:K-10840
JUN. 45 REV. P

CVN- 211572 SR-3
BLOWER MOTOR ASSEMBLY
CONSISTS OF A MOTOR, 115/1/60, 1/20 HP, 1725 RPM, AND A BLOWER, CLOCKWISE ROTATION, UP-BLAST DISCHARGE. MOTOR IS TOTALLY ENCLOSED.
@SIZE 4 1/2, DESIGN 11, COE:SP-44-17 (MOTOR)
5/30/45 @SEE ABOVE CVN:15-4923-1-
JUN. 45 B L-15-16801-A

CAZK-211573 MK-31
DC MOTOR
RATED 1/2 HP, 14V DC, 6000 RPM AT NO LOAD, APPROXIMATELY 10 MINUTE LIFE, COMPOUND WOUND.

5/31/45 CW:KS-15193
JUN. 45

CHT- 211574 NXsr-93903
MOTOR GENERATOR UNIT
INPUT 105-150 (115)V DC, 7.5 AMPS, 1800 RPM, SHUNT WOUND MOTOR 3/4 HP, OUTPUT 115/1/60, 4.35 AMPS, 0.5 KVA, 0.85 P.F., 50°C CONT. DRIPPROOF, SEPARATELY EXCITED 230V DC, 0.6 AMP, HAS SPEED REGULATOR, CLASS B INSULATION, RADIO NOISE FILTERS.
5/31/45 HN-05111-A 22-2580
JUN. 45 REV. 0

CHT- 211574
HI SHOCK. SIMILAR TO -21141 EXCEPT GLASS INSULATED WIRE, MELAMINE ROCKER ARM INSULATION AND ALL FILTER UNITS ARE HERMETICALLY SEALED.

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