

LIST OF A.C. MOTORS AND CONTROLLERS

LINE NUMBER	LIST OF A.C. MOTORS AND CONTROLLERS																		APPLICABLE SPECIFICATION	LINE NUMBER		
	AUXILIARY		MOTOR						CONTROLLER					MASTER SWITCH			REMARKS					
	NAME	NO PER SHIP	HP FULL LOAD	SPEED	VOLTS	NO OF PHASES	DESIGN	DUTY	AMB TEMP °C	ENCLOSURE	NAVY SERVICE	SPECIAL FUNCTION (IN ADDITION TO STARTING)	PERFORMANCE	VOLTAGE PROT	ENCLOSURE	TYPE		LOCATION			ENCLOSURE	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T			
1	PUMPS																					1
2	FIRE	5	125.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	WP	PB	LOCAL-REMOTE			9470-1	2		
3	DISTILLER DISTILLATE	2	5.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	LOCAL			9470-1	3		
4	DISTILLER FEED	2	30.0	CONSTANT	440	3	B	CONTINUOUS	50	WP		MAGNETIC	LVP	DP	PB	LOCAL			9470-1	4		
5	DISTILLER MAIN OVERBOARD	2	20.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP	PB	LOCAL			9470-1	5		
6	SALT WATER HEATER DRAIN	2	5.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	LOCAL			9470-1	6		
7	LUBE OIL TRANSFER	1	1.5	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB				9470-1	7		
8	LUBE OIL TRANSFER (CARGO)	2	7.5	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB				9470-1	8		
9	DIESEL OIL TRANSFER	2	15.0/7.5	TWO-SPEED	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB				9470-1	9		
10	AIR CONDITIONING CHILL WATER CIRC.	3	40.0	CONSTANT	440	3	B	CONTINUOUS	50	ST		MAGNETIC	LVP	DP	PB	LOCAL			9470-1	10		
11	AIR CONDITIONING SEA WATER CIRCULATING	3	25.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP	PB, HP, LP				9470-1	11		
12	POTABLE WATER	2	25.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB, PS, SS	LOCAL-REMOTE			9470-1	12		
13	PURE WATER SERVICE	2	3.0	CONSTANT	440	3	B	CONTINUOUS	40	DPP		MAGNETIC	LVP	DP	PB	LOCAL-REMOTE			9470-1	13		
14	POTABLE WATER PRIMING	1	1.5	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP	PB				9470-1	14		
15	EFFLUENT	2	3.0	CONSTANT	440	3	B	CONTINUOUS	40	DPP		MAGNETIC	LVP	DP	PB	REMOTE			9470-1	15		
16	OXYGEN	1	15.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	LOCAL-REMOTE			9470-1	16		
17	NITROGEN	1	7.5	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB, LP, HP	LOCAL-REMOTE			9470-1	17		
18	FREON (COMPRESSOR-PUMP)	1	40.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB, LP, HP	LOCAL-REMOTE			9470-1	18		
19	VACUUM	1	1.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	LOCAL-REMOTE			9470-1	19		
20	STEERING GEAR	2	30.0	CONSTANT	440	3	C	VARYING-1/2 HOUR	40	DPP		MAGNETIC	LVP	DP	PB	REMOTE	LVR FOR ACTIVE MOTOR LVP FOR IDLE MOTOR		9470-1	20		
21	STEERING GEAR HOOD DRAINAGE	1	1.0	CONSTANT	440	3	B	CONTINUOUS	40	DP		MAGNETIC	LVR	LVP	DP	PB			9470-1	21		
22	VACUUM PRIMING PUMP	1	1.0	CONSTANT	440	3	B	CONTINUOUS												22		
23	MAIN CONDENSATE	2	30.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVR	DP	PB	LOCAL			9470-1	23		
24	MAIN FEED BOOSTER	2	10.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVR	DP	PB	LOCAL			9470-1	24		
25	EMERGENCY LUBE OIL	1	20.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVR	DP	PB, PS, SS	LOCAL-REMOTE	EMERGENCY RUN		9470-1	25		
26	TURBINE GEN. COND. CIRCULATING	4	25.0		440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVR	DP	PB	LOCAL			9470-1	26		
27	TURBINE GEN. COND. CONDENSATE	4	7.5		440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVR	DP	PB	LOCAL			9470-1	27		
28	FUEL OIL TRANSFER	2	25.0/12.5	TWO-SPEED	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	LOCAL	SPEED SELECTION		9470-1	28		
29	FRESH WATER DRAIN	2	3.0		440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB, FS	LOCAL-REMOTE			9470-1	29		
30	TANK STRIPPING	1	5.0		440	3	B	CONTINUOUS	50	EP		MAGNETIC	LVP	DP					9470-1	30		
31	FUEL OIL SERVICE (PORT USE)	1	5.0/10.0	TWO-SPEED	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PD	LOCAL-REMOTE	SPEED SELECTION		9470-1	31		
32	SPENT ELEMENT CASE S.W. CIRCULATING	2	5.0		440	3	B	CONTINUOUS	50	DPP		MAGNETIC							9480-8	32		
33	VACUUM-RADIOACTIVE DISP.	1	1.0		440	3	B	CONTINUOUS	40	TE		MAGNETIC							9470-1	33		
34	EMERGENCY DIESEL GENERATOR S.W. BOOSTER	1	20.0		440	3	B	CONTINUOUS	50	SU								NO CONTROLLER REQUIRED	9470-1	34		
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41	COMPRESSORS																					41
42	SHIP SERVICE AIR	2	60.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP	PB, HP, LP, TS, SS, WF	LOCAL-REMOTE			9490-1	42		
43	HIGH PRESSURE AIR	3	75.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP	PB, SS, HP, LP	LOCAL-REMOTE			9490-1	43		
44	HIGH PRESSURE AIR (O ₂ N ₂)	2	75.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB, SS, HP, LP	LOCAL-REMOTE			9490-1	44		
45	STORES REFRIGERATION	3	40.0	CONSTANT	440	3	B	CONTINUOUS	40	DPP		MAGNETIC	LVP	DP	PB, HP, LP, WF, TS, SS	LOCAL-REMOTE			9590-1	45		
46	AIR CONDITIONING	3	200.0	CONSTANT	440	3	B	CONTINUOUS	10	DPP		MAGNETIC	LVP	DP	PB, HP, LP, TS, WF	LOCAL-REMOTE			9590-1	46		
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52	MOTOR-GENERATORS																					52
53	450V, 60 CYCLE/450V, 400 CYCLE, 30.0 KW	3	60.0	CONSTANT	440	3	B	CONTINUOUS	50	DPP		MAGNETIC	LVP	DP					9610-4	53		
54	ARC WELDING AC/DC 200 AMPERES	6	12.0	CONSTANT	440	3	B	VARYING-1/2 HOUR	50	DPP		MAGNETIC	LVP	DP					9610-4	54		
55	ARC WELDING AC/DC 300 AMPERES	10	15.0	CONSTANT	440	3	B	VARYING-1/2 HOUR	50	DPP		MAGNETIC	LVP	DP					9610-4	55		
56	ARC WELDING AC/DC 400 AMPERES	1	20.0	CONSTANT	440	3	B	VARYING-1/2 HOUR	50	DPP		MAGNETIC	LVP	DP					9610-4	56		
57	450V, 60 CYCLE/1.8-11 VOLT D.C. 30.0 KW	1	50.0	CONSTANT	440	3	B	VARYING-1/2 HOUR	50	DPP		MAGNETIC	LVP	DP					9610-4	57		
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62	MISCELLANEOUS																					62
63	LUBE OIL PURIFIER	1	3.0	CONSTANT	440	3	B	CONTINUOUS	50	TE		MAGNETIC	LVP	DP	PB	REMOTE			9450-1	63		
64	SHAFT TURNING GEAR	1	10.0	CONSTANT	440	3	D	CONTINUOUS	50	DPP	REVERSING	MAGNETIC	LVP	DP	PB	LOCAL				64		
65	TRASH BURNER FAN A+ 1/2	1	5.0		440	3	B	CONTINUOUS												65		
66	TRASH BURNER FAN A2	1	1.5		440	3	B	CONTINUOUS												66		
67	AUXILIARY GLAND LEAK-OFF	1	1.0		440	3	B	CONTINUOUS	65	TE		MAGNETIC	LVP	DP	PB	LOCAL			9460-1	67		
68	LIGHTING-OFF FAN	2	1.5		440	3	D	CONTINUOUS	65	ST		MAGNETIC	LVP	DP	PB	LOCAL-REMOTE	WT		9530-1	68		
69	TURBINE GENERATOR GLAND EXHAUST FAN	2	1.0	CONSTANT	440	3	B	CONTINUOUS	65	TE		MAGNETIC	LVP	DP	PB				9460-1	69		
70	MAIN GLAND EXHAUST FAN	1	1.5																	70		
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EXAMINED

LIST OF MOTORS AND CONTROLLERS

SUBMARINE TENDER AS 34

BUREAU OF SHIPS

WASHINGTON, D.C.

CONTRACT GUIDANCE

AS 34 800 1564688

SHEET 2 OF 5

NOTES:-

- THIS LIST IS NOT TO BE CONSIDERED AS RESTRICTIVE OR AS EXCLUDING CHANGES IN NUMBER OF UNITS OR MOTOR AND CONTROLLER CHARACTERISTICS DUE TO DEVELOPMENT.
- ALL MOTORS SHALL BE EITHER NATURAL OR SELF-VENTILATED UNLESS OTHERWISE SPECIFIED.

ABBREVIATIONS

- DP ----- DRIppROOF
- EP ----- EXPLOSIONPROOF
- FS ----- FLOAT SWITCH
- HP ----- HIGH PRESSURE SWITCH
- LP ----- LOW PRESSURE SWITCH
- PS ----- PRESSURE SWITCH
- SP ----- SPLASHPROOF
- ST ----- SPRAYTIGHT
- TE ----- TOTALLY ENCLOSED
- TS ----- TEMPERATURE SWITCH
- WF ----- WATER FAILURE SWITCH
- WT ----- WATERTIGHT
- PB ----- PUSHBUTTON
- HE ----- HERMETIC
- DPP ----- DRIppROOF PROTECTED
- LS ----- LIMIT SWITCH
- SU ----- SUBMERSIBLE
- SS ----- SELECTOR SWITCH
- PP ----- PRESSURE PROOF
- IS ----- INTERLOCK SWITCH