

A.C. SUPPLY OUTFIT DHD

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 1.6 kW

OUTPUT 230 volts 50 c/s single phase, 800 watts

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight (lbs)
8547A	Alternator, Motor, 800 watts, 230V 50 c/s 220V Supply	1	2' 1"	2' 3½"	10½"	210
3911 or 8548	Starter for Motor, 1½ H.P. 220V	1				
	Alternator, Motor, 800 watts, 230V 59 c/s 110V Supply	1	2' 1"	2' 3½"	10½"	210
3912	Starter for Motor, 1½ H.P. 110V					
57098	Board, Supply 0.8 and 1.6 kW, 230V 50 c/s (110/220V D.C. Supply)	1	3' 2½"	1' 6½"	1' 0½"	120
57099	Board distributing 0.8 and 1.6 kW 230V 50 c/s	1	6½"	1' 6½"	7½"	35
W1993	Transformer, 230/230V 750V.A. single phase, 50 c/s	1	1' 6"	10½"	10"	70

WHERE FITTED

In Second Wireless Office of Flotilla Leaders where an alternative source of supply is available.

HANDBOOK

B.R. 1364

ESTABLISHMENT LIST

E943

INSTALLATION SPECIFICATION

9171

A.C. SUPPLY OUTFIT DJB

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 600 watts

OUTPUT 230 volts 50 c/s single phase 200 watts

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
1336/A	Alternator Motor 200 watts 230V 50 c/s, 100V Supply	2	1' 9"	1' 8½"	9"	} 115 lb one of each
5065A or 1337/A	Starter for Motor ½ H.P. 100/110V	2				
1337/A	Alternator Motor 200 watts 230V 50 c/s, 220V Supply	2	1' 9"	1' 8½"	9"	} 115 lb one of each
5066A	Starter for Motor ½ H.P. 220V	2				
57098	Board Supply 0.8 and 1.6 kW 230V 50 c/s, 110/220V D.C. Supply	1	3' 2½"	1' 6½"	1' 0½"	120 lb
57099	Board distributing 0.8 and 1.6 kW 230V 50 c/s	1	6½"	1' 6½"	7½"	35 lb
W1993	Transformer, 230/230V 75 V.A. single phase 50 c/s	1	1' 6"	10½"	10"	70 lb
W1698	Regulator Auto Voltage control carbon pile type	2				

WHERE FITTED

- (1) In M.F. D/F office where no other suitable A.C. Supply is available.
- (2) With D/F outfit FH3 where specially approved.
- (3) With outfit QM when fitted in major landing craft.

HANDBOOK

B.R.1364

ESTABLISHMENT LIST

E943

INSTALLATION SPECIFICATION

9171

A.C. SUPPLY OUTFIT DPB

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 5 kW
 OUTPUT 230 volts 50 c/s three phase 2.5 kW
 MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W4872	Alternator Motor 3 phase 3 kVA 230V 50 c/s 220V D.C. Supply	2	1' 9"	2' 7½"	1' 1½"	} 300 lb for one of each
6946A	Starter Automatic 5-8 kW 220V	2	1' 4½"	11"	8"	
6952	Resistance for Patt. 6946A Starter	2				
W4746B or W6036	Board 2AJ Supply, 230V 3 phase, 50 c/s, 220V D.C. Supply	1	4' 9"	1' 0½"	11"	112 lb
W6036	Alternator Motor 3 phase 3 kVA 230V 50 c/s, 110V D.C. Supply	2	1' 7½"	2' 7½"	1' 2"	} 300 lb for one of each
7510/A	Starter Automatic (with resistance) for Motor 1.3 kW 110V	2	1' 4½"	11"	8"	
W6104B	Board 2AJ Supply 230V 3 phase 50 c/s, 110V D.C. Supply	1	4' 9"	1' 0½"	11"	112 lb
W8129B	Board 2AM Distributing *	1	3' 9½"	2' 4½"	9"	240 lb
65658	Board 2AU Distributing ‡	1	3' 9½"	2' 4½"	9"	196 lb

* Fitted with Type 293M/P only

‡ Fitted with Type 293Q only

WHERE FITTED

(1) With Type 281 series when Control Unit 20D is fitted.

(2) With Types 293M/P/Q in conjunction with A.C. Supply Outfit DUG.

HANDBOOK

B.R.1620, B.R.1769

ESTABLISHMENT LIST

E545

INSTALLATION SPECIFICATION

B193

A.C. SUPPLY OUTFIT DPF

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 7.75 kW

OUTPUT 230 volts 50 c/s, three phase, 4 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W7884/A or W7885/A	Motor Alternator, 3 phase, 5 kVA, 250V 50 c/s, 110V D.C. Supply Motor Alternator, 3 phase, 5 kVA, 250V 50 c/s, 220V D.C. Supply	} 1	2' 4"	3' 5"	1' 4½"	950 lb
W8128	Board 2AL Supply, 5 kVA, 230V, 3 ph, 50 c/s, 110/220V D.C. Supply	1	5' 0"	1' 4"	1' 0"	240 lb
W8129/A	Board 2AM Distributing, 180V 500 c/s, 230V 50 c/s and 110/220V D.C.	1	3' 9"	2' 5½"	11 7/16"	240 lb
W3742 or W3743	Starter, Contactor Type 110 volts Starter, Contactor Type 220 volts	} 1	1' 2½"	1' 2½"	1' 0 3/16"	60 lb
W2195 or W1698	Regulator, Auto Voltage Control Carbon Pile Type 110V Regulator, Auto Voltage Control Carbon Pile Type 220V	} 1	Fitted on Board 2AL			20 lb

All physical data except that of Motor Alternators is inclusive of resilient mounts.

WHERE FITTED

In destroyers and below with Type 277/P/Q in conjunction with A.C. Supply Outfits DUC or DUG.

HANDBOOK

B.R.1620, B.R.1769

ESTABLISHMENT LIST

E599

INSTALLATION SPECIFICATION

B334

A.C. SUPPLY OUTFIT DPH

SUMMARY OF DATA

INPUT 220 volts D.C. 6 kW

OUTPUT 220 volts 60 c/s three phase 3 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W8432	Motor Alternator 3 phase 5 kVA 220V 60 c/s 220V D.C. Supply	2	1' 9½"	2' 11"	1' 4"	650 lb each
6946A	Starter Automatic (without resistance) for Motor	2	1' 4½"	11"	10½"	20 lb each
6952	Resistance for Patt. 6946A Starter	2				
W4746B	Board 2AJ Supply 230V 3 phase 50 c/s 220V D.C. Supply	1	4' 9"	1' 0½"	11"	112 lb
W1698	Regulator Auto Voltage Control Carbon File					

WHERE FITTED

With A.C. model of Type YE.

HANDBOOK

ESTABLISHMENT LIST

INSTALLATION SPECIFICATION

E626

B339

A.C. SUPPLY OUTFIT DPL

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 12.5 kW (each machine)

OUTPUT 230 volts 50 c/s three phase 6.4 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W6633 or W6634	Motor Alternator, 3 phase 8 kVA at 0.8 pF 230V 50 c/s 110V D.C. Supply	2	2' 5½"	3' 5½"	1' 9½"	1070 lb each
	Motor Alternator, 3 phase 8 kVA at 0.8 pF 230V 50 c/s 220V D.C. Supply					
W8129/B	Board 2AM Distributing 180V 500 c/s 230V 50 c/s and 110/220V D.C.	1	3' 9"	2' 5½"	11' 7/16"	240 lb
W8127	Board 2AK Supply 8 kVA 230V 3 ph, 50 c/s 110/220V D.C. Supply	1	5' 0"	1' 4"	1' 0"	240 lb complete
6944A or 6946A	Starter Automatic for 5.8 kW 110 volts	1	1' 9"	1' 1"	1' 1½"	70 lb
	Starter Automatic for 5.8 kW 220 volts					
6951 or 6952	Resistance for Patt. 6944A Starter	1	Fitted in Starter			
	Resistance for Patt. 6946A Starter					
W2195	Regulator Auto Voltage Control Carbon Pile Type 110V	1	Fitted on Board 2AK			
W2194	Regulator Auto Voltage Control Carbon Pile Type 220V					
W1626	Switch (Drum Type) Machine Change-over 90 amps	1	1' 11½"	1' 2½"	9½"	100 lb

All physical data except that of Motor Alternators is inclusive of resilient mounts.

WHERE FITTED

In cruisers and above with Type 277P/Q in conjunction with A.C. Supply Outfit DUG.

HANDBOOK

B.R.1620, B.R.1769

ESTABLISHMENT LIST

E599

INSTALLATION SPECIFICATION

B334

A.C. SUPPLY OUTFIT DQB

SUMMARY OF DATA

INPUT 110 or 220 volts D.C. 2.7 kW
 OUTPUT 230 volts 50 c/s single phase 1.6 kW
 MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
8548 or 8547	Alternator Motor 800 watts 230V 50 c/s 110V D.C. Supply Alternator Motor 800 watts 230V 50 c/s 220V D.C. Supply	2	1' 11 $\frac{1}{8}$ "	2' 3 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	210 lb each
57098	Board Supply 0.8 and 1.6 kW 230V 50 c/s 110/220V D.C. Supply	1	3' 2 $\frac{1}{4}$ "	1' 6 $\frac{1}{2}$ "	1' 0 $\frac{3}{8}$ "	120 lb complete
57099	Board Distributing 0.8 and 1.6 kW 230V 50 c/s	1	6 $\frac{1}{2}$ "	1' 6 $\frac{1}{2}$ "	7 $\frac{3}{8}$ "	35 lb
W1993	Transformer 0.75 kVA 230V/230V single phase 50 c/s	2	1' 5 $\frac{3}{8}$ "	10 $\frac{1}{2}$ "	10"	70 lb each

ANCILLARY EQUIPMENT

The Patt. 57098 Board Supply, contains the following equipment:-

Pattern No.	DESCRIPTION	No. per outfit
W1698	Regulator Auto-voltage control Carbon Pile Type	2
W3911 or W3912	Starter for Motor 1 $\frac{1}{2}$ H.P. 220V D.C. Supply Starter for Motor 1 $\frac{1}{2}$ H.P. 110V D.C. Supply	2
5807A or 6275A	Regulator 700 ohms 0.72/0.15 amps 220V Regulator 230 ohms 1.27/0.32 amps 110V	2

WHERE FITTED

In minesweepers, patrol vessels, corvettes etc. for main wireless office equipments.

HANDBOOK B.R.1364
 ESTABLISHMENT LIST E943
 INSTALLATION SPECIFICATION B645

A.C. SUPPLY OUTFIT DQF

SUMMARY OF DATA

INPUT 220 volts D.C. 25 kW

OUTPUT (a) 220 volts D.C. 11½ kW (b) 230 volts 50 c/s single phase 10 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
56787	Alternator Motor 10 kVA 230V 50 c/s, single phase, 220V D.C. Supply	2	3' 8½"	3' 7½"	1' 11½"	1830 lb each
6942A	Starter Auto (without resistance) for Motor 10 kW 220V	2	2' 1"	1' 3"	1' 4½"	156 lb each
W9456	Board A.C. Control 10 kW 230V 50 c/s, 220V D.C. Supply	2	4' 9½"	1' 7½"	1' 4"	280 lb each
W6435B	Board Distributing 50 amps 4 way and 35 amps 3 way	} As reqd.	1' 8½"	11½"	4½"	35 lb
W191	Transformer 4.6 kVA 50 c/s, Prim. 230V Sec. 230V		1' 5½"	1' 4"	1' 6½"	215 lb

All physical data is inclusive of resilient mounts.

WHERE FITTED

In certain Light Craft for equipment fitted in the W/T offices.

REMARKS

Output of slightly above 10 kW can be obtained by running both machines together.

HANDBOOK

ESTABLISHMENT LIST

B945

INSTALLATION SPECIFICATION

B655

A.C. SUPPLY OUTFIT DRD

SUMMARY OF DATA

INPUT 100, 110 or 220 volts D.C. 5½ kW (6½ kW with second machine running light)

OUTPUT 230 volts 50 c/s single phase 2.5 kW
110/220 volts D.C. 1.75 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
1548	Motor Alternator 2.5 kW 230V 50 c/s 110V D.C. Supply	2	1' 9"	2' 7½"	1' 2½"	350 lb each
7510A or 3891	Starter Auto (with resistance) for Motor 1.3 kW 110V Motor Alternator 2.5 kW 230V 50 c/s 220V D.C. Supply	2	1' 4½"	11"	8"	50 lb each
7511A	Starter Auto (with resistance) for Motor 1.3 kW 220V	2	1' 4½"	11"	8"	50 lb each
W6435/A/B	Board Distributing 230V 50 c/s and 110/220V D.C.	1	1' 7½"	11½"	4½"	15 lb
W6434/A	Board A.C. Control 2.5/4 kW 230V 50 c/s, 110/220V D.C.	1	4' 7½"	1' 3½"	1' 0½"	160 lb
W191	Transformer 230V 50 c/s, 230V 4.6 kVA	1	1' 5½"	1' 6½"	1' 4"	72 lb

WHERE FITTED

With types 86/M, 87/M, 89/P/Q and other sets which do not include their own power supply arrangements.

HANDBOOK

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ESTABLISHMENT LIST

E565

INSTALLATION SPECIFICATION

B189

A.C. SUPPLY OUTFIT DTC

SUMMARY OF DATA

INPUT

110 or 220 volts D.C. 6 kW (8 kW with duplicate machine running light).
In addition $1\frac{1}{2}$ kW is required for D.C. supplies to fan, radiator etc.

OUTPUT

230 volts 50 c/s single phase 3.5 kW
110/220 volts D.C. 1.75 kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W892	Alternator Motor 5 kW 230V 50 c/s, 110V D.C. Supply	2	2' 4 $\frac{3}{8}$ "	1' 2"	2' 9 $\frac{1}{2}$ "	530 lb each
W4339) W3742) or W891	Starter for Motor 7 $\frac{1}{2}$ H.P. 110V Supply	2	1' 1 $\frac{3}{8}$ "	1' 3 $\frac{3}{8}$ "	10 $\frac{1}{2}$ "	50 lb each
	Alternator Motor 5 kW 230V 50 c/s, 220V D.C. Supply	2	2' 4 $\frac{3}{8}$ "	1' 2"	2' 9 $\frac{1}{2}$ "	530 lb each
W4340) W3743) and W6434	Starter for Motor 7 $\frac{1}{2}$ H.P. 220V Supply	2	1' 1 $\frac{3}{8}$ "	1' 3 $\frac{3}{8}$ "	10 $\frac{1}{2}$ "	50 lb each
	Board A.C. Control 2.5/4 kW 230V 50 c/s, 110/220V Supply	1	4' 2"	1' 3 $\frac{1}{2}$ "	1' 0 $\frac{1}{2}$ "	160 lb
W6435 /A/B	Board Distributing 230V 50 c/s, 110/220V D.C. Supply	1	1' 7 $\frac{3}{8}$ "	11 $\frac{1}{2}$ "	4 $\frac{3}{8}$ "	30 lb
66607	Board A.C. Control	x	4' 2"	1' 3 $\frac{1}{2}$ "	1' 0 $\frac{1}{2}$ "	175 lb
W191	Transformer, 230V 50 c/s, 4.6 kVA	2	1' 5 $\frac{3}{8}$ "	1' 6"	1' 4"	215 each

x Only fitted in ships specially approved to use both machines simultaneously to increase the output.

WHERE FITTED

Main Wireless Office of prefabricated frigates and corvettes fitted with Type 89M where load exceeds 2 $\frac{1}{2}$ kW.

HANDBOOK

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ESTABLISHMENT LIST

E601

INSTALLATION SPECIFICATION

B240

A.C. SUPPLY OUTFIT DTD
SUMMARY OF DATA

INPUT 220 volts D.C. 13½ kW (15½ kW with duplicate machine running light)

OUTPUT 230 volts 50 c/s single phase 10 kW
110/220 volts D.C. 13½ kW

MAIN UNITS

Pattern No.	DESCRIPTION	No. per outfit	PHYSICAL DATA			
			Height	Width	Depth	Weight
W999/B or 56787	Alternator Motor 14 kW 230V 50 c/s, 1 phase 220V D.C. Supply	2	2' 10½"	3' 7½"	1' 11½"	1830 lb each
6942A	Starter Auto (without resistance) for Motor 14 kW 220V	2	2' 1"	1' 3"	7½"	156 lb each
W9456	Board A.C. Control 10 kW 230V 50 c/s, 220V D.C. Supply	1	4' 9½"	1' 7½"	1' 0½"	280 lb
W6435/A	Board Distributing, 230V 50 c/s, A.C. and 110/220V D.C. Supply	2	1' 7½"	11½"	4½"	30 lb each
W191	Transformer, 4.6 kVA 50 c/s, Prim. 230V Sec. 230V	3	1' 5½"	1' 6"	1' 4"	215 lb each

WHERE FITTED

- (a) In non C.W.S. ships fitted with Type 87M and 89P/Q where several are fitted together.
- (b) In destroyers fitted with Type 600 series.

HANDBOOK

ESTABLISHMENT LIST

E630

INSTALLATION SPECIFICATION

B411