



## 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' 9 $\frac{1}{2}$ "	2' 11"	1' 4"	650 lb each
6946A	Starter Automatic (without resistance) for Motor	2	1' 4 $\frac{1}{2}$ "	11"	10 $\frac{3}{8}$ "	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' 0 $\frac{1}{2}$ "	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