Use this Model Number Definition to specify part numbers when ordering T, ST, WT, and CT Series dry loads.



Base to

Weight

Connector Center Mounting Centers

0.162" (4.12 mm)

0.52" (13.3 mm)

1.1 oz. (31.2 g)

** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.

画



75-T SERIES (75 WATT)

Frequency Range and VSWR Ambient Temp. Operating Position Coolant Finish Nominal Size Weight

Connectors BNC, N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, 1 GHz to 4 GHz at 1.25:1 max. -40°C to +40°C Any Dry (Convection cooled) Black anodized. Silver or Tri-alloy plated connector (with N-type connector): 6.7" L x 2.3" Dia., (170.2 mm x 58.5 mm) 1.32 lbs. (0.6 kg)





100-ST SERIES (100 WATT)

Frequency Range

Ambient Temp. Operating Position Coolant Finish Nominal Size

Connectors BNC, N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, 1 GHz to 4 GHz at 1.25:1 max. -40°C to +40°C Anv Dry (Convection cooled) Black anodized fins. Silver or Tri-alloy plated connector (with N-type connector): 6.95" H x 2.75" W x 2.75" D, (174 mm x 69.9 mm x 69.9 mm) Weight 2.62 lbs. (1.20 kg)





150-T SERIES (150 WATT)*

Connectors BNC, N, TNC, IEC 7/16 Frequency Range Ambient Temp. Operating Position Coolant Finish

DC to 1 GHz at 1.10:1 max, and VSWR 1 GHz to 2.4 GHz at 1.25:1 max. -40° C to $+40^{\circ}$ C Vertical Dry (Convection cooled) Black semigloss paint per federal standard 595. Silver or Tri-alloy plated connector (with N-type connector): 10.87" H x 2.6" W x 6.8" D (276.1 mm x 66.1 mm x 172.8 mm) Weight 6.0 lbs. (2.73 kg)

*WT SERIES also available

Nominal Size





100-T SERIES (100 WATT)

Connectors **Frequency Range** and VSWR Ambient Temp. Operating Position Coolant Finish Nominal Size Weight

BNC, N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, 1 GHz to 2.4 GHz at 1.25:1 max. -40°C to +40°C Vertical Dry (Convection cooled) Black anodized fins. Silver or Tri-alloy plated connector (with N-type connector): 6.4" L x 2.6" W x 7.0" D, (162.6 mm x 66.1 mm x 172.8 mm) 3.6 lbs. (1.64 kg)





100-CT-FA, 100-CT-MA (100 WATT)

100 W max. @ 100°C flange Power Rating** Connectors SMA **Frequency Range** and VSWR **Operating Position** Any Coolant Finish Nominal Size (includes connector) Base to 0.26" (6.6 mm) **Connector Center** Mounting Centers 0.625" x 1.125"

Weight

temperature derated to O W at 150°C DC to 2 GHz at 1.15:1 max. 2 GHz to 3 GHz at 1.25:1 max. Dry (Conduction cooled) Silver or Tri-alloy plated 1.34" L x 1.375" W x 0.56" H, (34.1 mm x 35 mm x 14.3 mm)

(15.9 mm x 28.6 mm) 1.0 oz. (28.4 g)





150-ST SERIES (150 WATT)

Connectors Frequency Range and VSWR Ambient Temp. **Operating Position** Coolant Finish Nominal Size Weight

BNC, N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, 1 GHz to 2.4 GHz at 1.25:1 max. -40°C to +40°C Vertical Dry (Convection cooled) Black anodized fins. Silver or Tri-alloy plated connector (with N-type connector): 7.54" H x 4.0" W x 4.0" H, (189 mm x 100 mm x 100 mm) 5.0 lbs. (2.30 kg)

** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.



150-CT SERIES (150 WATT)

Power Rating**

Connectors Frequency Range and VSWR Operating Position Coolant Finish Nominal Size

Base to **Connector Center** Mounting Centers Weight 150 W max. @ 100°C flange temperature, derated to 0 W @ 150°C BNC, N, TNC, SMA DC to 1 GHz at 1.15:1 max. 1 GHz to 2.4 GHz at 1.25:1 max. Any Dry (Conduction cooled) Silver or Tri-alloy plated (with N connector): 1.86" L x 1.25" Ŵ x 1.062" H, (47.3 mm x 31.8 mm x 27.0 mm) 0.531" (13.5 mm)

0.575" x 0.825" (14.6 mm x 21.0 mm) (with N connector): 2.2 oz. (62.5 g)



250 CT-SERIES (250 WATT)

Power Rating**

Connectors **Frequency Range** and VSWR

Operating Position Coolant Finish Nominal Size (includes connector) Base to **Connector Center** Mounting Centers Weight 250 W max. @ 100°C flange temperature. derated to 0 W @ 150°C BNC, N, TNC, SMA SMA: DC to 2 GHz at 1.15:1 max, 2 GHz to 3 GHz at 1.25:1 max.; All Others: DC to 1 GHz at 1.15:1 max, 1 GHz to 2.4 GHz at 1.25:1 max Any Dry (Conduction cooled) Silver or Tri-alloy plated 2.36" L x 2.00" W x 1.062" H, (60.0 mm x 50.8 mm x 27.0 mm) SMA: 0.26" (6.6 mm), N: 0.515 (13.1 mm)

0.875" x 1.625" (22.3 mm x 41.3 mm) (with N connector) 5.2 oz. (147.6 g)





300-T SERIES (300 WATT) (WT SERIES also available)

Connectors BNC, N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, **Frequency Range** 1 GHz to 2.4 GHz at 1.25:1 max. and VSWR Ambient Temp. -40°C to +40°C Vertical Operating Position Dry (Convection cooled) Coolant Finish

Black semigloss paint per federal standard 595. Silver or Tri-alloy plated connector Nominal Size (with N-type connector): 10.9" H x 5.4" W x 16.8" D,

Weight



** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.

23 Bird® Electronic Corporation 1-866-695-4569 www.bird-electronic.com Bird Service Center Now calibrates NON-Bird as well as Bird electrical test equipment. (page 42)



MODEL 8135 (150 WATT)

Power Rating Frequency Range and VSWR Ambient Temp. Connector Operating Position Load Coolant Finish Nominal Size (includes connector) Weight

150 W continuous DC to 1 GHz at 1.1 max, 1 to 2.5 GHz at 1.2 max. 2.5 to 4 GHz at 1.3 max. -40°C to +45°C QC type (Female N normally supplied) Horizontal only 0.1 gal. (380 ml) refined mineral oil Gray powder coat 9 1/2" L x 6 11/32" H x 3 15/16" W, (241 mm x 161 mm x 100 mm) 6.0 lbs. (2.7 kg)





MODEL 8141 (250 WATT)

Power Rating **Frequency Range** and VSWR

Ambient Temp. Connector Operating Position Load Coolant Finish Nominal Size (includes connector) Weight

250 W continuous DC to 1 GHz at 1.1 max., 1 GHz to 1.8 GHz at 1.2 max., 1.8 to 2.5 GHz at 1.3 max. -40°C to +45°C QC type (Female N normally supplied) Horizontal only 0.35 gal. (1.3 liters) silicone oil Gray powder coat 9 9/16" L x 8 1/2" H x 5 15/16" W, (243 mm x 216 mm x 151 mm) 10 lbs. (4.5 kg)





MODEL 8072A-1 (300 WATT)

Connectors Frequency Range and VSWR Ambient Temp. Operating Position Coolant Finish Nominal Size Weight

Power Rating 300 W continuous @ 100°C case temperature N female DC to 1 GHz at 1.10:1 max., 1 to 2.5 GHz at 1.20:1 max. -40°C to +45°C Any Dry (Conduction cooled) Silver or Tri-alloy, Silver plated or Tri-alloy connectors (with N-type connector): 4.4" L x 2" W x 1.3" H, (110 mm x 51 mm x 26 mm) 12 oz. (340 g)



500-WT SERIES (500 WATT)

Connectors N, TNC, IEC 7/16 Frequency Range and VSWR **Operating Position** Coolant Finish Nominal Size

4 Mounting Holes,

DC to 1 GHz at 1.10:1 max, 2.5 GHz at 1.25:1 max. Any, except mounting surface up Dry (Convection cooled) Black anodized fins, tri-alloy plated connectors (with female N-type connector; excludes removable feet): 10.59" L x 5.4" W x 4.3" H, (266.7 mm x 137.2 mm x 109.3 mm) 1.812" x 7.687", typical 10-32 thread x 0.5" D

Center and Size Weight 7.8 lbs. (3.6 kg)



MODEL 8201 (500 WATT)

Power Rating Frequency Range Ambient Temp. Connector Operating Position Load Coolant Finish Nominal Size (includes connector) Weight

500 W continuous DC to 1 GHz at 1.1 max., and VSWR 1 GHz to 2.5 GHz at 1.25 max. -40° C to $+45^{\circ}$ C QC type (Female N normally supplied) Horizontal only 0.9 gal. (3.42 liters) refined mineral oil Gray powder coat 16 13/16" L x 8 1/2" H x 5 15/16" W, (427 mm x 216 mm x 151 mm) 21 lbs. (9.5 kg)





MODEL 8401 (600 WATT)

Ambient Temp.

Power Rating **Frequency Range** and VSWR

DC to 1 GHz at 1.1 max., 1 GHz to 2.8 GHz at 1.2 max., 2.8 GHz to 3 at 1.3 max. -40°C to +45°C Connector QC type (Female N normally supplied) Operating Position Horizontal only Load Coolant 0.7 gal. (2.65 liters) refined mineral oil Finish Gray powder coat (16¹3/16" H x 8 1/2" W x 5 15/16" D, Nominal Size (427 mm x 216 mm x 151 mm) includes connector) Weight 20 lbs. (9.1 kg)



600 W continuous



500-CT SERIES (500 WATT)

Power Rating** Connectors **Frequency Range** and VSWR **Operating Position** Coolant Finish Nominal Size (includes connector) Base to Connector Center Mounting Centers Weight

500 W max. @ 100°C flange temperature, derated to 0 W @ 150°C BNC, N, TNC, SMA, IEC 7/16 DC to 1 GHz at 1.10:1 max. Anv Dry (Conduction cooled) Silver or Tri-alloy plated N: 2.36" L x 2.00" W x 1.062" H, (60.0 mm x 50.8 mm x 27.0 mm); IEC 7/16: 2.80" L x 2.00" W x 1.20" H, (71.2 mm x 50.8 mm x 30.5 mm) N: 0.515 (13.1 mm) IEC 7/16: 0.675" (17.2 mm) 0.875" x 1.625" (22.3 mm x 41.3 mm) N: 8.2 oz. (232.9 g), IEC 7/16: 6.0 oz. (170.3 g)



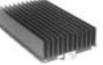


600-T-QFN (600 WATT)

Frequency Range and VSWR Ambient Temp. Connector Coolant Finish Nominal Size Weight Accessories

DC to 1 GHz at 1.10:1 max. 1 to 2.4 GHz at 1.25:1 max. -40°C to +40°C QC type (Female N supplied) Dry (Convection cooled) Black anodized fins, tri-alloy plated connector 12.25" L x 8.875" H x 9.65" W 21.5 lbs. QC Connector (page 37)





1000-WT (1000 WATT)

Frequency Range and VSWR **Operating Position** Coolant Finish Nominal Size 4 Mounting Holes, Center and Size

Weight

Connectors N, TNC, IEC 7/16 DC to 1 GHz at 1.10:1 max, 2.4 GHz at 1.25:1 max. Any, except mounting surface up Dry (Convection cooled) Black anodized fins, tri-alloy plated connectors (with female N-type connector; excludes removable feet): 17.98" L x 8.95" W x 4.3" H 1.885" x 14.65" typical 1/4 - 20 thread x 0.5" D 26.5 lbs. (12.1 kg)

** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.

www.bird-electronic.com 1-866-695-4569 Bird® Electronic Corporation Bird Service Center Now calibrates NON-Bird as well as Bird electrical test equipment. (page 42)

24

Termaline® RF Coaxial Terminations



MODEL 8251, 8251T* & 8251D (1 kW)

Power Rating Frequency Range and VSWR

1000 W continuous DC to 1 GHz at 1.1 max. 1 GHz to 2 GHz at 1.25 max., 2 GHz to 2.4 at 1.3 max. (1.065 max., 470-860 MHz for "D" Model) -40°C to +45°C

Ambient Temperature Range Connector

Operating Position Load Coolant Finish Nominal Size (includes connector) Weight

QC type (Female LC normally supplied, and Female N normally supplied unmounted) Horizontal only 1.1 gal. (4.1 liters) silicon oil Gray powder coat 17 29/32" L x 8 1/2" H x 5 15/16" W, (455 mm x 216 mm x 151 mm) 25 lbs., 8 oz. (11.5 kg)

*Over temperature interlock safety switch option available





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8860 SERIES (1.5 kW)

Power Frequency and Α Temperature Cor Operating P Load Nomir



8230 (2.5 kW Water Cooled) Power Rating

200 W in vertical position, 500 W in horizontal position Frequency Range DC to 1 GHz at 1.1 max. and VSWR 1 GHz to 2.5 GHz at 1.25 max. Ambient -40°C to +45°C **Temperature Range** Water +8°C to +80°C **Temperature Range** Water Flow Rate 1/2 gal./minute (2 liters/minute) min. Connector QC type (Female LC normally supplied) **Operating Position** Vertical, connector down (when water cooled) Load Coolant 0.9 gal. (3.4 liters) refined mineral oil Gray powder coat Finish 17 22/32" L x 8 1/2" H x 5 15/16" W, Nominal Size (includes connector) (450 mm x 216 mm x 151 mm) Weight 27 lbs. (12 kg)

With cooling water: 2500 W, Without cooling water:

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MODEL 8833-300 (1kW)

Power Rating Frequency Range and VSWR Ambient **Temperature Range** Connector **Operating Position** Load Coolant Finish Nominal Size (includes connector) Weight

QC type (Female LC normally supplied, and Female N normally supplied unmounted) Horizontal only 2.9 gal. (11 liters) refined mineral oil Gray powder coat 23 1/8" L x 17 3/16" H x 7 1/8" W, (587 mm x 437 mm x 181 mm) 54 lbs., 10 oz. (24.8 kg)



1000 W continuous

 -40° C to $+45^{\circ}$ C

DC to 1 GHz at 1.1 max.,

1 GHz to 2.5 GHz at 1.25 max.

Models	8860	8861	8862 & 8862 D	8863	8864	
er Rating	1500 W continuous					
cy Range		DC to 1 GHz at	1.1 max., (1.065 max., 470-86	0 MHz for "D" Model)		
nd VSWR			1 GHz to 2 GHz at 1.25 max.			
Ambient			-40°C to +45°C			
re Range			40 0 10 1 40 0			
onnector	QC-LC(F)	1 5/8" Unflg.	1 5/8" EIA flg.	3 1/8" Unflg.	3 1/8" EIA flg.	
Position			Horizontal only			
l Coolant	1.5 gal. (5.68 liters) silicone oil					
Finish	Gray powder coat					
inal Size	17 1/8" L x 7 1/2" W x 13 1/8" H,	17 7/8" L x 7 1/2" W x 13 1/8" H,	17 1/8" L x 7 1/2" W x 13 1/8" H,	18 5/8" L x 7 1/2" W x 13 1/8" H,	19 1/2" L x 7 1/2" W x 13 1/8" H,	
	(445 mm x 184 mm x 333 mm)	(454 mm x 184 mm x 333 mm)	(445 mm x 184 mm x 333 mm)	(473 mm x 184 mm x 333 mm)	(495 mm x 184 mm x 333 mm)	
Weight	30 lbs. (13.6 kg)	31 lbs. (14.1 kg)	31 lbs. (14.1 kg)	32 lbs. (14.5 kg)	32 lbs. (14.5 kg)	



8890-300 SERIES (2.5 kW)

Models Power Rating Frequency Range and VSWR Impedance Ambient **Temperature Range** Connector Recess (In.) **Operating Position** Load Coolant Finish Nominal Size

8890-300	8892-300 & 8892-300D	8895-300	8891-300	8897-300	8898-300	
2500 W continuous						
	DC to 1 GHz at 1.1 max	k., 1 GHz to 2 GHz at	1.25 max., 2 GHz to	o 2.4 GHz at 1.3 max	ζ.	
50 ohms nominal	50 ohms nominal	50 ohms nominal	50 ohms nominal	50 ohms nominal	50 ohms nominal	
		-40°C to +	-45°C			
QC-LC(F)	1 5/8" EIA flg.	1 5/8" Unflg.	3 1/8" EIA flg.	3 1/8" Unflg.	3 1/8" Unflg.	
	0.625	0.438	0.922	0.0	0.688	
Horizontal only						
		2.9 gal. (11 liter	rs) silicone oil			
		Gray powe	der coat			
23 1/8" L x 7" W	23 1/8" L x 7" W	22 3/16" L x 7" W	25 1/8" L x 7" W	24 5/32" L x 7" W	24 5/32" L x 7" W	
x 17 3/16" H,	x 17 3/16" H,	x 17 3/16" H,	x 17 3/16" H,	x 17 3/16" H,	x 17 3/16" H,	
(587 mm x 178 mm	(587 mm x 178 mm	(564 mm x 178 mm	(638 mm x 178 mm	(626 mm x 178 mm	(626 mm x 178 mm	
x 437 mm)	x 437 mm)	x 437 mm)	x 437 mm)	x 437 mm)	x 437 mm)	
57 lbs. (26 kg)	58 lbs. (26 kg)	58 lbs. (26 kg)	59 lbs. (27 kg)	59 lbs. (27 kg)	59 lbs. (27 kg)	

8890-300 SERIES with BA 300-115, -230 (5 kW)

Weight

Models with BA-30 Power R Frequency R and V Imped Aml Temperature R Conn Recess **Operating Pos** Load Co F Nominal

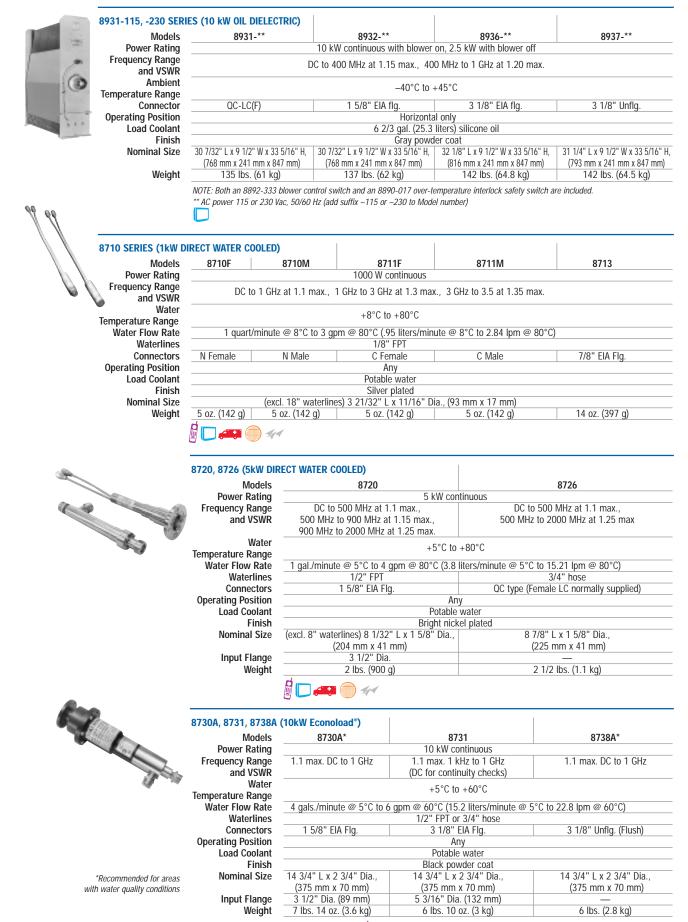
5 WILLI DA	300-115, -230 (5	KWV)					
-300-***	8890-300	8892-3000	8895-300	8891-300	8896-300	8897-300	8898-300
r Rating	5000 W continuous with blower on, 1250 W with blower off						
y Range Id VSWR							
pedance	50 ohms nominal	50 ohms nominal	50 ohms nominal	50 ohms nominal	51.5 ohms nominal	50 ohms nominal	50 ohms nominal
Ambient e Range				-40°C to +45°C			
onnector	QC-LC(F)	1 5/8" EIA flg.	1 5/8" Unflg.	3 1/8" EIA flg.	3 1/8" Unflg.	3 1/8" Unflg.	3 1/8" Unflg.
ess (In.)		0.625	0.438	0.922	0.0	0.0	0.688
Position				Horizontal only			
Coolant			2.9	gal. (11 liters) silicone	oil		
Finish				Gray powder coat			
inal Size	23 1/8" L x 7 3/8" W	23 1/8" L x 7 3/8" W	22 3/16" L x 7 3/8" W	25 1/8" L x 7 3/8" W	24 5/32" L x 7 3/8" W	24 5/32" L x 7 3/8" W	24 5/32" L x 7 3/8" W
	x 22 11/16" H,	x 22 11/16" H,	x 22 11/16" H,	x 22 11/16" H,	x 22 11/16" H,	x 22 11/16" H,	x 22 11/16" H,
	(587 mm x 187 mm	(587 mm x 187 mm	(564 mm x 187 mm	(638 mm x 187 mm	(614 mm x 187 mm	(614 mm x 187 mm	(614 mm x 187 mm
	x 560 mm)	x 560 mm)	x 560 mm)	x 560 mm)	x 560 mm)	x 560 mm)	x 560 mm)
Weight	70 lbs. (32 kg)	72 lbs. (33 kg)	72 lbs. (33 kg)	73 lbs. (33 kg)	73 lbs. (33 kg)	73 lbs. (33 kg)	73 lbs. (33 kg)
	Specify -115 for 115 Vac Blower or -230 for 230 Vac Blower						



8921 SERIES (5 kW OIL DIELECTRIC) Models 8921 8922 & 8922D 8926 & 8926D 8927 Power Rating 5000 W continuous Frequency Range DC to 1 GHz at 1.1 max., (1.065 max., 470-860 MHz for "D" Model) and VSWR Ambient -40°C to +45°C **Temperature Range** 1 5/8" EIA flg 3 1/8" EIA flg. 3 1/8" Unflg. Connector QC-LC(F) **Operating Position** Horizontal only Load Coolant 6 2/3 gal. (25.3 liters) silicone oil Finish Gray powder coat 30 27/32" L x 9 1/2" W x 25 13/16" H, Nominal Size 30 27/32" L x 9 1/2" W x 25 13/16" H, 32 3/4" L x 9 1/2" W x 25 13/16" H, 31 7/8" L x 9 1/2" W x 25 13/16" H, (783 mm x 241 mm x 656 mm) (783 mm x 241 mm x 656 mm) (832 mm x 241 mm x 656 mm) (809 mm x 241 mm x 656 mm) Weight 119 lbs. (54 kg) 121 lbs. (55 kg) 126.5 lbs. (57 kg) 126 lbs. (57 kg)

> NOTE: An 8890-008 over-temperature interlock safety switch is included. * Available in special 8922 D model for Digital Broadcast. VSWR = 1.065 max., 470-860 MHz

NOTE: Overload thermoswitch P/N 8890-008 is optional. Free assembly when ordered as a package. * Available in special 8892-300 D model for Digital Broadcast. VSWR = 1.065 max., 470 - 860 MHz.





8756



8745, 8746 (20 kW Econoload®)

Models Power Rating Frequency Range and VSWR Water Temperature Range Water Flow Rate

Waterlines Connectors Operating Position Load Coolant Finish Nominal Size Input Flange Weight

conoload")				
8745	8746			
20 kW co	ontinuous			
1.1 max. 1 kHz to 900 M	MHz (DC for continuity checks)			
+5°C to	0 +60°C			
6 gal./minute @ 5°	C to 8 gpm @ 60°C			
(22.8 liters/minute @ 5	°C to 30.4 lpm @ 60°C)			
1/2" FPT or 3/4" hose				
3 1/8" EIA Flg. 3 1/8" Unflg. (Flush)				
Any				
Potable water				
Black powder coat				
19 1/2" L x 3 1/2" Dia., (495 mm x 90 mm)				
5 3/16" Dia. (132 mm)				
15 lbs. 13 oz. (7.2 kg) 15 lbs. 5 oz. (7 kg)				
d 💭 🚚 🔘 🛷				



8765, 8766 (40kW Econoload®)

Models Power Rating Frequency Range and VSWR Water Temperature Range Water Flow Rate

Waterlines Connectors Operating Position Load Coolant Finish Nominal Size Input Flange Weight

8765 8766			
40 kW c	ontinuous		
1.1 max. 1 kHz to 900 M	MHz (DC for continuity checks)		
+5°C to	0 +60°C		
8 gal./minute @ 5°	C to 10 gpm @ 60°C		
(30.4 liters/minute @ 5	°C to 37.9 lpm @ 60°C)		
1/2" FPT or 3/4" hose			
3 1/8" EIA Flg. 1/8" Unflg. (Flush)			
A	ny		
Potable	e water		
Black powder coat			
19 1/2" L x 3 1/2" Dia., (495 mm x 90 mm)			
5 3/16" Dia. (132 mm)			
15 lbs. 13 oz. (7.2 kg) 15 lbs. 5 oz. (7 kg)			
	(



8755, 8756 (30kW Econoload®)

8755

Models Power Rating Frequency Range and VSWR Water Temperature Range Water Flow Rate Waterlines Connectors Operating Position Load Coolant Finish Nominal Size Input Flange Weight

ıg	30 kW continuous				
je R	1.1 max. 1 kHz to 900 MHz (DC for continuity checks)				
er e	+5°C to +60°C				
te	7 gal./minute @ 5°C to 9 gpm @ 60°C				
	(26.6 liters/minute @ 5°C to 34.2 lpm @ 60°C)				
s	1/2" FPT or 3/4" hose				
rs	3 1/8" EIA Flg. 3 1/8" Unflg. (Flush)				
n	Any				
nt	Potable water				
sh	Black powder coat				
ze	19 1/2" L x 3 1/2" Dia., (495 mm x 90 mm)				
je	5 3/16" Dia. (132 mm)				
ht	15 lbs. 13 oz. (7.2 kg) 15 lbs. 5 oz. (7 kg)				



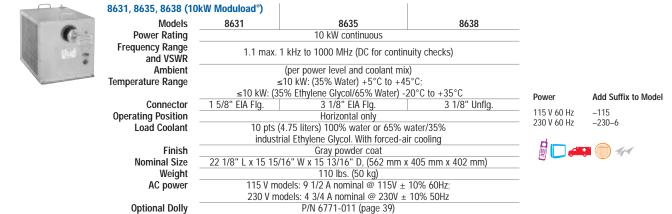
8775, 8776 (50 kW Econoload®)

Models	8775	8776	
Power Rating	50 kW continuous		
Frequency Range and VSWR	1.1 max. 1 kHz to 900 MHz (DC for continuity checks)		
Water Temperature Range	$+5^{\circ}(.10+60^{\circ})$		
Water Flow Rate	9 gal./minute @ 5°C to 11 gpm @ 60°C		
	(34.2 liters/minute @ 5°C to 41.8 lpm @ 60°C		
Waterlines	1/2" FPT oi	3/4" hose	
Connectors	3 1/8" EIA Flg.	3 1/8" Unflg. (Flush)	
Operating Position	Ar	у	
Load Coolant	Potable water		
Finish	Black pov	vder coat	
Nominal Size	19 1/2" L x 3 1/2" Dia., (495 mm x 90 mm)		
Input Flange	5 3/16" Dia. (132 mm)		
Weight	15 lbs. 13 oz. (7.2 kg)	15 lbs. 5 oz. (7 kg)	
-		1	

8792 (80 kW Econoload®)

0772 (00 KW LCOHOR	au)	
Power Rating	80 kW continuous	
Frequency Range	Range 1.15 max. 1 kHz to 800 MHz	
and VSWR	(DC for continuity checks)	
Water	+5°C to +60°C	
Temperature Range		
Water Flow Rate	9 gal./minute @ 5°C to 12 gpm @ 60°C	
	(34.2 liters/minute @ 5°C to 45.6 lpm @ 60°C)	
Connectors	6 1/8" EIA Flg.	
Operating Position	Any	
Load Coolant	Potable water	
Finish	Black powder coat	
Nominal Size	34" L x 5" Dia., (864 mm x 127 mm)	
Input Flange	8 1/8" Dia. (206 mm) add approximately 1 1/4"	
	(32 mm) to length for rear water fitting	
Weight	30 lbs. 10 oz. (14 kg)	

28



Optional Dolly



8645, 8646 (25 kW Moduload®)

Models	8645	8646		
Power Rating	25 kW continuous			
Frequency Range	1.1 max. 1 kHz to 900 MHz			
and VSWR	(DC for continuity checks)			
Ambient	(per power level and coolant mix)			
Temperature Range	≤25 kW: (100% Water) +5°C to +30°C;			
	<20 kW: (100% Water) +5°C to +45°C;			
	≤25 kW: (35% Ethylene Glycol/65% Water)			
	-20°C to			
	<20 kW: (35% Ethyler			
	-20°C to			
Connector	3 1/8" EIA Flg.	3 1/8" Unflg.		
Operating Position	Horizontal only			
Load Coolant	9 qts. (8.5 liters) 100% water or 65% water/35%			
	industrial Ethylene Glycol. With forced-air cooling			
Finish	Gray powder coat			
Nominal Size	25 15/16" L x 19 5/32" W x 19 9/16" D,			
	(659 mm x 487			
Weight	155 lbs.			
AC power	115 V models: 11 A nomin			
		ninal @ 230V ± 10% 50Hz		
Optional Dolly	P/N 6771-011 (page 39)			
	Power Ad	ld Suffix to Model		
		15		
		30		
	230 V 60 Hz -2	30–6		
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8655, 8656 (50 kW Moduload®)

Models	8655	8656	
Power Rating	50 kW continuous		
Frequency Range	1.1 max. 1 kHz to 900 MHz		
and VSWR		nuity checks)	
Ambient		and coolant mix)	
Temperature Range	≥40 kW: (100% Water) +5°C to +30°C;		
	<40 kW: (100% Water) +5°C to +45°C;		
	≥40 kW: (35% Ethylene Glycol/65% Water)		
		o +25°C;	
	<40 kW: (35% Ethyle	ne Glycol/65% Water)	
	-20°C t	0 +35°C	
Connector	3 1/8" EIA Flg. 3 1/8" Unflg. (Flush)		
Operating Position	Horizontal only		
Load Coolant	17 qts. (16.1 liters) 100% water or 65% water/35%		
	industrial Ethylene Glycol. With forced-air cooling		
Finish	Gray powder coat		
Nominal Size	46 1/2" L x 19 5/32" W x 19 9/16" D,		
	(659 mm x 487 mm x 497 mm)		
Weight		(125 kg)	
AC power		nal @ 115V ± 10% 60Hz;	
		nal @ 230V ± 10% 50Hz	
Optional Dolly	P/N 6772-011 (page 39)		
	Power A	Add Suffix to Model	
	115 V 60 Hz -	-115–6	
		-230-5	
	230 V 60 Hz –230–6		
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8578A100, 8578A150 (10kW, 15kW, Dry, Forced Air Load)

Models	8578A100	8578A150		
Power Rating	10 kW continuous	15 kW continuous		
Frequency Range and VSWR	1.15:1, DC to 108 MHz	87.5 - 108 MHz		
Ambient Temp.	-40°C to +40°C			
Connector	1 5/8" EIA Flanged (Swive), 3 1/8" Unflg. option		
Operating Position	Any (except blockage of air inlets and exhaust)			
Load Coolant	Dry (forced air)			
Resistors	Tubular type, parallel connection, 50 ohms nominal			
Finish	Gray powder coat			
Nominal Size	39 7/32" H x 16 15/32" W x 13 7/16" D,			
	(996 mm x 418 m	m x 341 mm)		
Weight	70 lbs. (31	.8 kg)		
AC power	er 115/230 ± 10% Vac,			
	50/60 Hz 8.6 amps max. @ 115 Vac			
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