

Heat Exchangers

(Self Contained Water Loads)

RF Coaxial Loads

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Features

- Quiet Operation
- Mobile and Compact
- Transmitter Interlocks
- Two Year Limited Warranty



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Description

The 86500 Series Heat Exchangers are ideal for areas where water is limited. The loads are rugged, self-contained, easily operated, and portable units capable of dissipating up to 80 kW of RF power from DC to 800 MHz with a VSWR of 1.10:1. With this low reflection coefficient the loads are very useful for tuning transmitters. They can be used to terminate AM, FM, TV, CW or Pulse transmissions in 50-Ohm coaxial transmission line systems. When used in conjunction with Coaxial Dynamics Directional RF Insertion Wattmeters, these loads can accurately measure power up to 80 kW.

Your confidence in the quality and dependability of the 86500 Series Heat Exchangers RF Coaxial Loads is assured with the Coaxial Dynamics Two Year Limited Warranty.

Available Models

Model	Power	Connector Type	Model	Power	Connector Type
86505-1	5 kW	1-5/8" EIA Flg	86505-2	5 kW	1-5/8" UnFlg Rec
86505-3	5 kW	1-5/8" UnFlg	86512-1	10 kW	3-1/8" EIA Flg
86512-2	10 kW	3-1/8" UnFlg Rec	86512-3	10 kW	3-1/8" UnFlg
86527-1	25 kW	3-1/8" EIA Flg	86527-2	25 kW	3-1/8" UnFlg Rec
86527-3	25 kW	3-1/8" UnFlg	86552-1	50 kW	3-1/8" EIA Flg
86552-2	50 kW	3-1/8" UnFlg Rec	86552-3	50 kW	3-1/8" UnFlg
86553-1	50 kW	6-1/8" EIA Flg	86553-2	50 kW	6-1/8" UnFlg Rec
86580-1	80 kW	3-1/8" EIA Flg	86580-2	80 kW	3-1/8" UnFlg Rec
86581-1	80 kW	6-1/8" EIA Flg	86581-2	80 kW	6-1/8" UnFlg Rec

Consult factory if you require a different connector type.

Specifications

Model	86505	86512	86527	86552-86553	86580-86581
Power	5 kW CW	10 kW CW	25 kW CW	50 kW CW	80 kW CW
Impedance	50-Ohms nominal				
Freq. Range	60 Hz to 800 MHz				

<i>VSWR</i>	1.10:1 (1.15:1 for 80 kW) maximum to 800 MHz				
<i>AC Power</i>	115 or 230 VAC, 60 Hz*			230 VAC, 60 Hz*	
<i>Nominal Dimensions</i>	28" x 20" x 20" (71x51x51cm)	34" x 22" x 22" (86x56x56cm)	24" x 30" x 56" (61x76x142cm)	32" x 44" x 55" (81x112x140cm)	34" x 75" x 67" (86x191x170cm)
<i>Weight</i>	80 lbs (36kg)	100 lbs (45kg)	230 lbs (104kg)	400 lbs (182kg)	700 lbs (318kg)
<i>Finish</i>	Textured Beige Polyurethane Enamel				
* 50 Hz available as option					
<i>Specifications are subject to change without notice.</i>					

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