

Water Cooled RF Coaxial Loads

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Features

- *Lightweight, Rugged Construction*
- *No Field Adjustments Needed*
- *Non-Contaminating Water Circuit*
- *Any Operating Position*
- *Two Year Limited Warranty*



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Description

The 86000 Series Water Cooled RF Coaxial Loads are capable of dissipating up to 200 kW of CW RF power from 60 Hz to 800 MHz with a VSWR of 1.10:1 or less. 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 200 kW.

Your confidence in the quality and dependability of the 86000 Series Water Cooled RF Coaxial Loads is assured with the Coaxial Dynamics Two Year Limited Warranty.

Available Models

<i>Model</i>	<i>Power</i>	<i>Connector Type</i>	<i>Model</i>	<i>Power</i>	<i>Connector Type</i>
86005-HN	5 kW	HN Female	86005-LC	5 kW	LC Female
86005-N	5 kW	N Female	86005-SC	5 kW	SC Female
86006-1	5 kW	1-5/8" EIA Flg	86017-1	15 kW	1-5/8" EIA Flg
86017-2	15 kW	1-5/8" UnFlg Rec	86017-3	15 kW	1-5/8" UnFlg
86018-LC	15 kW	LC Female	86018-1	15 kW	3-1/8" EIA Flg
86018-2	15 kW	3-1/8" UnFlg Rec	86018-3	15 kW	3-1/8" UnFlg
86027-1	25 kW	3-1/8" EIA Flg	86027-2	25 kW	3-1/8" UnFlg Rec
86027-3	25 kW	3-1/8" UnFlg	86029-1	25 kW	6-1/8" EIA Flg
86052-1	50 kW	3-1/8" EIA Flg	86052-2	50 kW	3-1/8" UnFlg Rec
86052-3	50 kW	3-1/8" UnFlg	86054-1	50 kW	6-1/8" EIA Flg
86054-2	50 kW	6-1/8" UnFlg Rec	86080-1	80 kW	3-1/8" EIA Flg
86080-2	80 kW	3-1/8" UnFlg Rec	86082-1	80 kW	6-1/8" EIA Flg
86082-2	80 kW	6-1/8" UnFlg Rec	86125-1	125 kW	3-1/8" EIA Flg
86125-2	125 kW	3-1/8" UnFlg Rec	86127-1	125 kW	6-1/8" EIA Flg
86200-1	200 kW	6-1/8" EIA Flg	86200-2	200 kW	6-1/8" UnFlg Rec

Consult factory if you require a different connector type.

Specifications

Model	86005-86007	86017-86018	86027-86029	86052-86054
Power	5 kW CW	15 kW CW	25 kW CW	50 kW CW
Impedance	50-Ohms nominal			
Frequency Range	60 Hz to 800 MHz			
VSWR	1.10: 1 maximum to 800 MHz			
Water Temp	Inlet: 4°C to 45°C; Outlet: 90°C maximum			
Inlet Pressure	70 PSI max	100 PSI max		
Water Flow	2 GPM	4 GPM	6 GPM	10 GPM
Water Connector	3/4" (garden hose) or 1/2" NPT			
Nominal Dimensions	3.5"x10.18" (8.9cmx25.9cm)	3.5"x15" (8.9cmx38.1cm)	3.5"x16.5" (8.9cmx41.9cm)	3.5"x18.5" (8.9cmx47cm)
Weight	4 lbs (1.8kg)	9.5 lbs (4.3kg)	16 lbs (7.3kg)	17 lbs (8.0kg)
Finish	Alodine (Yellow Iridite) and Bright Nickel Plate			
Model	86080-86082		86125-86127	86200
Power	80 kW CW		125 kW CW	200 kW CW
Impedance	50-Ohms nominal			
Frequency Range	60 Hz to 800 MHz		60 Hz to 450 MHz	
VSWR	1.15: 1 maximum to 800 MHz		1.15: 1 maximum to 450 MHz	
Water Temp	Inlet: 4°C to 45°C; Outlet: 90°C maximum			
Inlet Pressure	100 PSI max			
Water Flow	10 GPM		15 GPM	19 GPM
Water Connector	3/4" (garden hose) or 1/2" NPT			
Nominal Dimensions	8.5"x30" (21.6cmx76.2cm)		8.5"x31" (21.6cmx78.7cm)	8.5"x42" (21.6cmx106.7cm)
Weight	31 lbs (14kg)		36 lbs (16kg)	47 lbs (22kg)
Finish	Alodine (Yellow Iridite) and Bright Nickel Plate			
<i>Specifications are subject to change without notice.</i>				

[general documents/SUPPLIERS/COAXIAL/specs for online catalogue/Loads and Attenuators/footer.htm]