



Bird[®]

Oil-Cooled

8930 Series

Oil-Cooled Terminations



The RF Experts

The 8930 Series, 10 kW, Oil-Cooled Terminations with 115 VAC or 230 VAC Blower Assembly are general purpose, 50 ohm, coaxial RF transmission line terminations, useful as standby reject loads or dummy loads. They provide accurate, dependable, and low reflection line terminations over a frequency range of dc – 1000 MHz. Up to 10,000 watts can be dissipated. The loads have a coolant chamber surrounded by radiator fins. The front and rear fins form mounting flanges which can be used as supports for freestanding use or as brackets for fixed mounting. A vent plug at the top of the unit relieves internal pressure from coolant expansion and a blower assembly with three axial fans that line the bottom of the load.

- Capable of up to 10 dB peak to average power ratios.
- Operation up to 1 GHz.
- Self-contained cooling system that includes fans.
- Wide range of available RF input connectors.
- Compact design.

SPECIFICATIONS

Power Rating	10 kW
Frequency Range & VSWR	DC to 400 MHz at 1.15:1 max, 400 MHz to 1 GHz at 1.2:1 max
Dimensions	32.8" x 9.5" x 33.4" (832 mm x 241 mm x 847 mm)
Weight	142 lbs. (65 kg)
Altitude	1520m (5000 ft)
Humidity	95% noncondensing max
VSWR	50 Ohms Nominal
Ambient Temperature Range	-40° C to +45° C
Operating Position	Vertical Only
Finish	Gray Powder Coat
Load Coolant	Silicone Oil
CE	EMC EN 61326-1:2006 (units w/blowers) and safety EN 61010: 1:2001 (all units)

8930 SERIES MODEL

	Cooling Method	Connector
8931-115	115 VAC Fan	QC - LC (f)
8931-230	230 VAC Fan	QC - LC (f)
8932-115	115 VAC Fan	1-5/8 EIA Flg
8932-230	230 VAC Fan	1-5/8 EIA Flg
8936-115	115 VAC Fan	3-1/8 EIA Flg
8936-230	230 VAC Fan	3-1/8 EIA Flg
8937-115	115 VAC Fan	3-1/8 EIA Unflg
8937-230	230 VAC Fan	3-1/8 EIA Unflg

