

GENERAL

Load Type

Medium wave, 300 kW

Maximum Continuous Power Rating (kW)

450 kW

Input Connections

6 1/8" EIA, side mounted

Frequency

530 - 1700 kHz

VSWR

1.05:1 Max

CONSTRUCTION

Materials

Iridited 5052 aluminium

Baked on exterior enamel finish

Compatible metals and finishes

Resistor Elements

Non inductively wound wire wound resistors
(non film)

Resistors are screw mounted, not clip-in type

AC INPUT

Voltage

400 VAC \pm 15%

3 phase, 50 Hz, 30 A

60 Hz available (consult factory)

ENVIRONMENTAL

Temperature Range

-20 to 50° C

Climate

Suitable for indoor or outdoor use

Fully sealed and slanted top to prevent water penetration

Louvered front and back panels to allow air flow and prevent water from entering unit

Humidity Range

0-95% non condensing

Altitude

Consult Factory

Cooling Air Requirements

Forced Air

One fan per cabinet

50,000 CFM (25,000 CFM per cabinet)

SAFETY

Safety Requirements

Meets IEC 215 Safety Requirements

PHYSICAL

Dimensions

184 cm H x 382.6 cm W x 212.6 cm D

(72.4" H x 150.6" W x 83.7" D)

Weight

1002 kg (2209 lbs)



CONTROL AND MONITORING

All connections and monitoring are visible within side mounted NEMA 4 control box. Control box features fully lockable front entry door with Plexiglas window for easy monitoring of lamps and meters while keeping panel secure. Control box is permanently affixed to unit.

Metering

Cabinet temperature meters visible in control panel

Monitoring/Protection

Internal 24 VAC interlock loop

Thermal sensors in each resistor bank

Air temp monitor with user adjustable trip set point

Remote interlock shuts down transmitter in case of cooling fault - contact closure when cooling OK

Low air flow sensor

Phase rotation monitor to inhibit operation if phase rotation is incorrect

Phase imbalance monitored

Status

All status indicators visible within control box

Remote Control

Remote On/Off

Remote Monitoring

Optional Delta probe

RF monitor available via transmitter interface

SHIPPING AND INSTALLATION

Shipping

Shipped in two parts

Unit is shipped in a custom, fully padded crate to ensure safe arrival

Installation

Floor mounted unit stands on feet to allow for fork lift access

Two sections to be mated on site, all interconnections fully connectorized to ensure correct phase rotation and fan rotation