

# NXL300

TECHNICAL SUMMARY ISSUE 1.1  
www.nautel.com | info@nautel.com



## 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)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



NXL300 Medium Wave Load



## 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