

nautel sonar NS72-36 Hull Mounted Sonar Amplifier

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OVERVIEW

The NS72-36 is designed for hull mounted sonar systems.

- 36 channels are available in a 72" high rack and the unit is 50% lighter and 40% less volume than other amplifiers.
- The NS72-36 has analog and digital audio inputs to easily connect with existing controller systems. An IP-ready option is available for network connection.
- Nautel HMS transmitters achieve their light weight by using switch mode power supplies (SMPS). State-of-the-art silicon carbide FET's deliver 2 kW per channel capability at high efficiency.
- Standard output bandwidth is 3 kHz to 12 kHz, with reduced output below 5 kHz and above 12 kHz.
- The NS72-36 has IP-ready connectivity for control and audio, with parallel IO for easy connection to existing systems.
- Nautel's design expertise and customer care philosophy results in long and reliable life expectancy for its sonar amplifiers.
- Nautel provides customer support for the products it has produced since it's 1969 inception.
- The NS72-36 amplifier is now installed on Royal Canadian Navy Frigates, as part of the UWSU major sensor upgrade.

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General Specifications

Output Power/Channel	2 kW/channel, 36 channel amp
Frequency range	3kHz to 12kHz, extended to 16kHz
Input power	440V, 3-ph, AC/ 115V 1-ph, AC
Nominal Output impedance	200 Ohms, Optional on Request
Full power duty cycle	< 20%
Control & Monitoring	Redundant TCP/IP
Amplifier Protection	Overvoltage, Overcurrent and Overtemp
Amplifier Dimensions	Height 1829mm (72"), Width 610mm (24"), Depth 775mm (30.5")
Amplifier weight	< 500kg
Ambient	0-40C 95% Relative Humidity Non-condensing
Cooling	Non-ducted Air Cooled
MTRR	30 min

Qualifications

Shock	MIL-STD-901D/810
Vibration	MIL-STD-167-1A/810
Shipboard Power	MIL-STD-1399 /300A
EM Interference	MIL-STD-461F
Environmental	MIL-STD-810



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