



OVERVIEW

- The NS88-44 is designed for hull mounted sonar systems
- 44 channels are available in two 72" high racks and the units are 50% lighter and 40% less volume than other amplifiers.
- The NS88-44 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 NS88-44 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 NS Series amplifiers are now installed on Royal Canadian Navy Frigates, as part of the UWSU major sensor upgrade.

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GENERAL

Output Power/Channel	2 kW/channel, 44 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
MTR	30 min

ENVIRONMENTAL

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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