

WGX1090TN

LINE ARRAY SOURCE



Line Array optimized Waveguide with DE1090TN driver

Titanium diaphragm

Neodymium magnet assembly with shorting copper cap

240 W
continuous program power capacity

100 mm (4 in)
aluminium voice coil

108 dB
sensitivity

500 - 18000 Hz
response

120°
max horizontal coverage

SPECIFICATIONS

Horizontal Coverage	120° max
Active Radiating Factor	93.7 %
Recommended Crossover ¹	0.8 kHz
Waveguide Material	Cast Aluminium
Nominal Impedance	8 Ω
Minimum Impedance	8 Ω
Power Handling	
Nominal (AES) ²	120 W
Continuous Program ³	240 W
Sensitivity (1W/1m) ⁴	108 dB
Frequency Range ⁵	500 - 18 kHz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	CCAW
Inductance	0.18 mH
Diaphragm Material	Titanium
Flux Density	1.9 T
Magnet Material	Neo Inside Ring

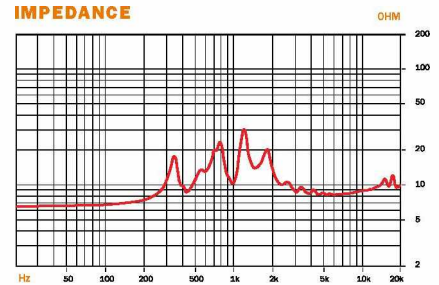
MOUNTING AND SHIPPING INFORMATION

Waveguide Baffle	
Cutout	153x25 mm (6x1 in)
Driver diameter	127 mm (5.0 in)
Dimensions	163x130x234 mm (6.4x5.1x9.2 in)
Net Weight	2.9 kg (6.39 lb)
Shipping Weight	3 kg (6.61 lb)
Shipping Box	245x140x175 mm (9.6x5.5x6.9 in)

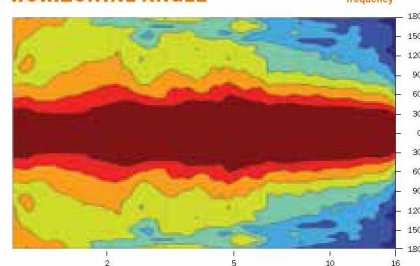
SENSITIVITY



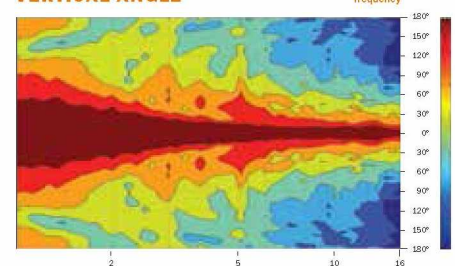
IMPEDANCE



HORIZONTAL ANGLE



VERTICAL ANGLE



¹ 12 dB/oct. or higher slope high-pass filter. Driver mounted on B&C ME 90 horn.

² Two hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recom-

mended crossover frequency to 20 kHz. Power calculated on rated minimum impedance.

³ Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

⁴ Applied RMS Voltage is set to 2.83 V for 8 ohms and 4V for 16 ohms Nominal Impedance. Average SPL from 1000 to 18000 Hz.

⁵ Waveguide mounted on 90° x 10° bell horn.