12NW76

ND WOOFER

1000 W
continuous program power capacity

76 mm (3 in)
aluminium voice coil

98.5 dB
sensitivity

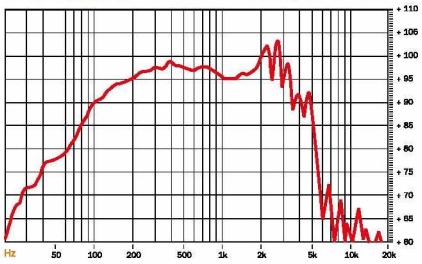
40 - 2000 Hz
response

Neodymium ring magnet allows a very high force factor and linear excursion

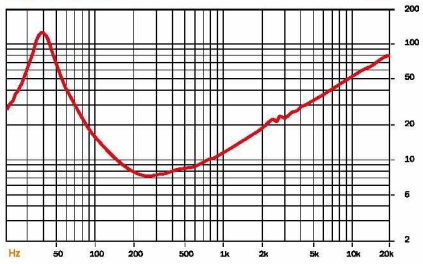
Aluminium demodulating ring for very low distortion

Ventilated voice coil gap for reduced power compression

SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.9 Ω
Power Handling	
Nominal (AES)[1]	500 W
Continuous Program[2]	1000 W
Sensitivity (1W/1m)[3]	98.5 dB
Frequency Range	40 - 2000 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	19 mm (0.75 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.3 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Both Sides

Also available in 4 and 16 Ω, data upon request

THIELE & SMALL PARAMETERS[4]

Fs	40 Hz
Re	5.3 Ω
Qes	0.17
Qms	3.7
Qts	0.16
Vas	76 dm^3 (2.7 ft^3)
Sd	522 cm^2 (80.9 in^2)
η_0	2.8 %
X max	± 8 mm
X var	± 10 mm
Mms	77 g
Bl	25.5 T·m
Le	1.25 mH
EBP	235 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	298 mm (11.7 in)
Baffle Cutout Diameter	283 mm (11.1 in)
Depth	147 mm (5.8 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air volume occupied by driver	2.5 dm^3 (0.08 ft^3)
Net Weight	4.9 kg (10.8 lb)
Shipping Weight	5.8 kg (12.79 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)
Service kit	RCK12NW76-8

[1] Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

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

[3] Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. Average SPL from 300 to 3000 Hz.

[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.