

12NW76

LF Drivers - 12.0 Inches

- 1000 W continuous program power capacity
- 76 mm (3 in) copper voice coil
- 40 - 2000 Hz response
- 98.5 dB sensitivity
- Neodymium ring magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Ventilated voice coil gap for reduced power compression



Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.9 Ω
Nominal power handling ¹	500 W
Continuous power handling ²	1000 W
Sensitivity (1W/1m) ³	99.0 dB
Frequency range	40 - 2000 Hz
Voice coil diameter	76 mm (3.0 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

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	50.0 dm ³ (1.77 ft ³)
Recommended tuning	60 Hz

Parameters⁴

Fs	40 Hz
Re	5.3 Ω
Qes	0.17
Qms	3.7
Qts	0.16
Vas	76.0 dm ³ (2.7 ft ³)
Sd	522.0 cm ² (80.9 in ²)
η _o	2.8 %
X _{max}	8.0 mm
X _{var}	10.0 mm
M _{ms}	77 g
Bl	25.5 Txm

Parameters

Le	1.25 mH
EBP	235 Hz

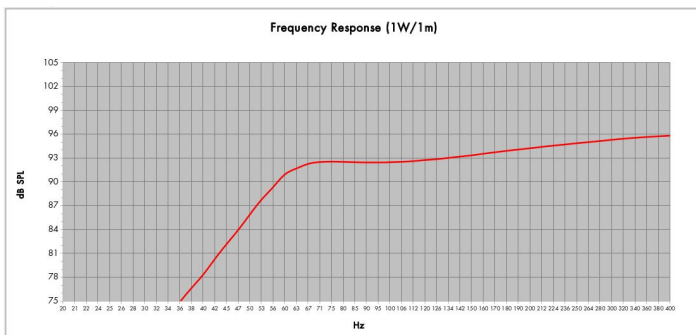
Mounting And Shipping Info

Overall diameter	315 mm (12.4 in)
Bolt circle diameter	298 mm (11.7 in)
Baffle cutout diameter	283.0 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	5.6 kg (12.3 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

Service Kit

RCK12NW768

- 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
- Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.



Model: **12NW76**
 Enclosure Type: **Bass Reflex** Configuration: **One Driver**
 Internal Net Volume (litres): **50** Q_B: **3**
 Tuning Frequency (Hz): **60** Port Area (cm²): **208.1**
 Frequency (-3 dB) (Hz): **166.7** Port Length (cm): **20.5**