



15NW76

LF Drivers - 15.0 Inches

1200 W continuous program power capacity
76 mm (3 in) copper voice coil
40 - 2000 Hz response
100.5 dB sensitivity
Aluminium demodulating ring allows a very low distortion figure
Neodymium ring magnet assembly
Double silicone spider and ventilated voice coil gap

Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.9 Ω
Nominal power handling[1]	600 W
Continuous power handling[2]	1200 W
Sensitivity (1W/1m)[3]	100.0 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
Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	90.0 dm^3 (3.18 ft^3)
Recommended tuning	53 Hz

Parameters[4]

Fs	42 Hz
Re	5.3 Ω
Qes	0.23
Qms	4.3
Qts	0.22
Vas	130.0 dm^3 (4.5 ft^3)
Sd	855.0 cm^2 (132.5 in^2)
η_0	4.4 %
Xmax	8.0 mm
Xvar	10.0 mm
Mms	104 g
Bl	25.5 Txm

Parameters

Le	1.25 mH
EBP	182 Hz

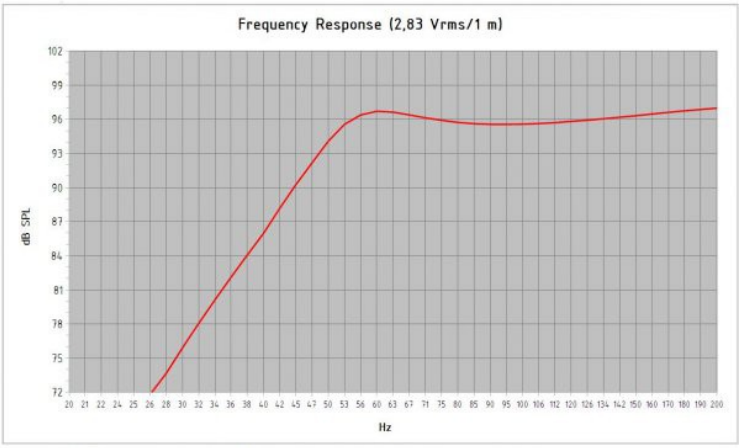
Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	177 mm (7.0 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	3.7 dm^3 (0.13 ft^3)
Net weight	5.6 kg (12.3 lb)
Shipping units	1
Shipping weight	7.0 kg (15.4 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

Service Kit

RCK15NW768

1. 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.
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.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.



Model: ***15 NW 76***
Enclosure Type: ***Bass Reflex***

Internal Net Volume (Liters): ***90***
Tuning Frequency (Hz): ***53*** *Port Area (cm²):* ***222,3***
Frequency (-3 dB) (Hz): ***52,9*** *Port Length (cm):* ***11,7***

Excursion Limited Maximum SPL at 1 meter (dB): ***124,8*** *equal to* ***494,9*** *Watts (Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB): ***125,6*** *equal to* ***600,0*** *Watts (Mid Band Power Rating)*