

# 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 $\Omega$
Minimum impedance	6.9 $\Omega$
Nominal power handling <sup>1</sup>	600 W
Continuous power handling <sup>2</sup>	1200 W
Sensitivity (1W/1m) <sup>3</sup>	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

### Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	90.0 dm <sup>3</sup> (3.18 ft <sup>3</sup> )
Recommended tuning	53 Hz

### Parameters<sup>4</sup>

Fs	42 Hz
Re	5 $\Omega$
Qes	0.23
Qms	4.3
Qts	0.22
Vas	130.0 dm <sup>3</sup> (4.5 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
$\eta_0$	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

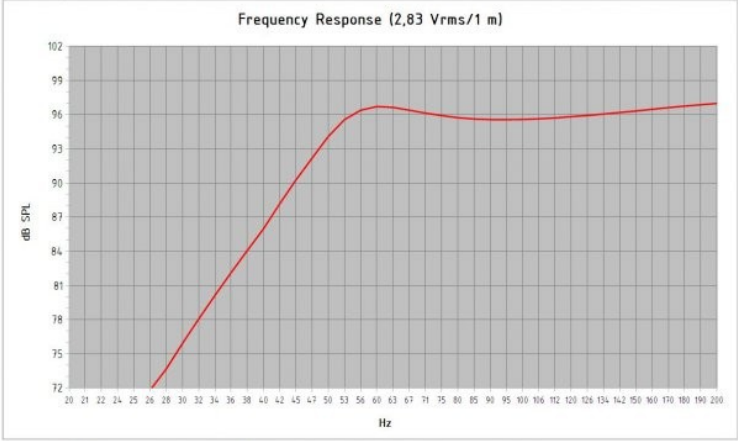
Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	177 mm (7.0 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	3.7 dm <sup>3</sup> (0.13 ft <sup>3</sup> )
Net weight	5.6 kg (12.3 lb)
Shipping units	1
Shipping 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):	<b>90</b>	Port Area (cm <sup>2</sup> ):	<b>222.3</b>
Tuning Frequency (Hz):	<b>53</b>	Port Length (cm):	<b>11.7</b>
Frequency (-3 dB) (Hz):	<b>52.9</b>		

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)