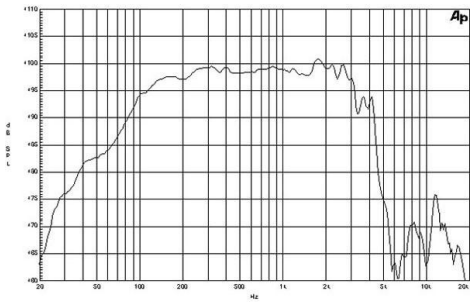
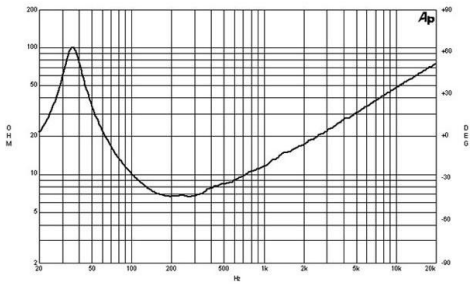






15NDL76

LF Drivers - 15.0 Inches



1000 W continuous program power capacity
76 mm (3 in) copper voice coil
40 - 2000 Hz response
99.5 dB sensitivity
Neodymium magnet allows a very light yet powerful motor assembly
Ventilated voice coil gap for reduced power compression

Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.7 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	18 mm (0.68 in)
Magnetic gap depth	11 mm (0.4 in)
Flux density	1.25 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Neodymium Inside Slug

Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	100.0 dm^3 (3.53 ft^3)
Recommended tuning	47 Hz

Parameters[4]

Fs	37 Hz
Re	5.3 Ω
Qes	0.24
Qms	4.5
Qts	0.22
Vas	195.0 dm^3 (6.8 ft^3)
Sd	855.0 cm^2 (132.5 in^2)
η_0	4.1 %
Xmax	7.0 mm
Xvar	9.0 mm
Mms	96 g
Bl	22.5 Txm

Parameters

Le	1.5 mH
EBP	154 Hz

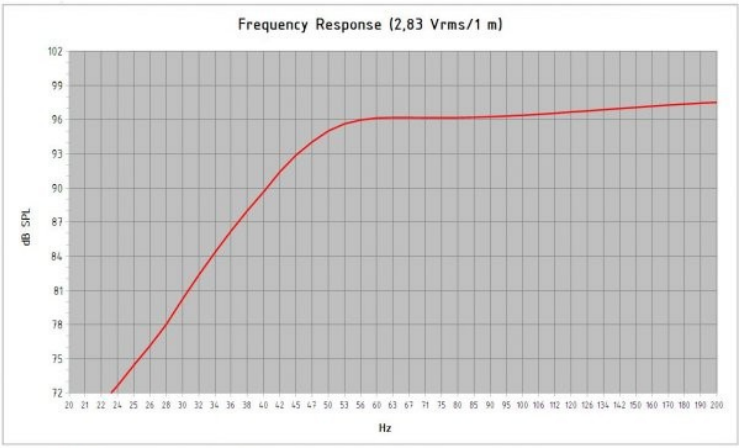
Mounting And Shipping Info

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	171 mm (6.7 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	3.5 dm^3 (0.12 ft^3)
Net weight	4.6 kg (10.1 lb)
Shipping units	1
Shipping weight	5.9 kg (13.0 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

Service Kit

RCK15NDL768

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 NDL 76***
Enclosure Type:	***Bass Reflex***

Internal Net Volume (Liters):	***100***		
Tuning Frequency (Hz):	***47***	*Port Area (cm²):*	***222,3***
Frequency (-3 dB) (Hz):	***51,7***	*Port Length (cm):*	***15,5***

Excursion Limited Maximum SPL at 1 meter (dB):	***123,5***	*equal to*	***390,0***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***125,4***	*equal to*	***600,0***	*Watts*	*(Mid Band Power Rating)*