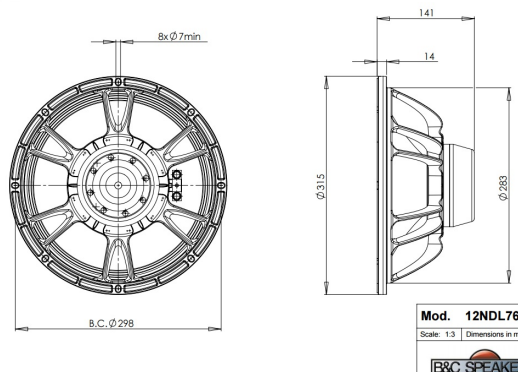


# 12NDL76

LF Drivers - 12.0 Inches

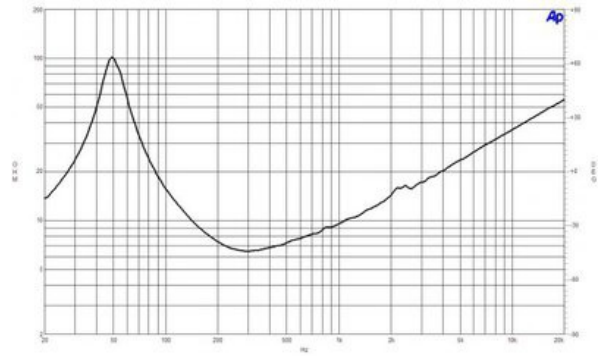
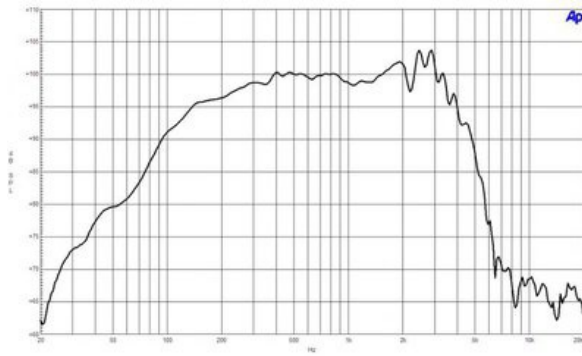


- 800 W continuous program power capacity
- 76 mm (3 in) aluminium voice coil
- 50 - 2000 Hz response
- 100 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Ventilated voice coil gap for reduced power compression



# 12NDL76

## LF Drivers- 12.0 Inches



### SPECIFICATIONS

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.2 Ω
Nominal power handling <sup>1</sup>	400 W
Continuous power handling <sup>2</sup>	800 W
Sensitivity (1W/1m) <sup>3</sup>	100.0 dB
Frequency range	50 - 2000 Hz
Voice coil diameter	76 mm (3.0 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	19 mm (0.75 in)
Magnetic gap depth	10 mm (0.4 in)
Flux density	1.25 T

### DESIGN

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Neodymium Inside Slug
Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	42.0 dm <sup>3</sup> (1.48 ft <sup>3</sup> )
Recommended tuning	65 Hz

### PARAMETERS

F <sub>s</sub>	50 Hz
R <sub>e</sub>	5.3 Ω
Q <sub>es</sub>	0.21
Q <sub>ms</sub>	4.2
Q <sub>ts</sub>	0.2
V <sub>as</sub>	73.0 dm <sup>3</sup> (2.5 ft <sup>3</sup> )
S <sub>d</sub>	522.0 cm <sup>2</sup> (80.9 in <sup>2</sup> )
η <sub>o</sub>	4.3 %
X <sub>max</sub>	6.5 mm
X <sub>var</sub>	6.5 mm
M <sub>ms</sub>	53 g
Bl	20.1 Txm
Le	1.0 mH
EBP	238 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	141 mm (5.5 in)
Flange and gasket thickness	14 mm (0.55 in)
Air volume occupied by driver	2.5 dm <sup>3</sup> (0.08 ft <sup>3</sup> )
Net weight	3.9 kg (8.6 lb)
Shipping units	1
Shipping weight	4.5 kg (9.9 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

### SERVICE KIT

RCK12NDL768

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range F<sub>s</sub>-10F<sub>s</sub>. 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.