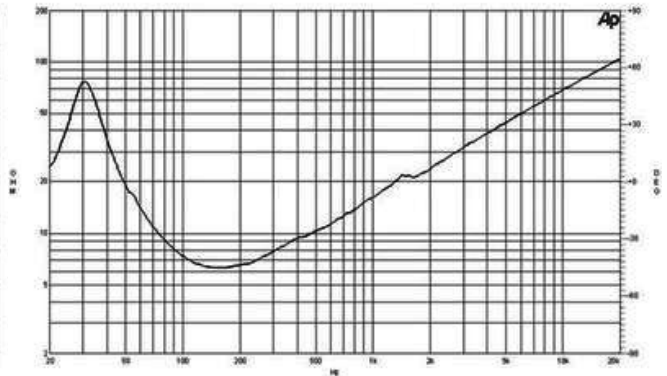
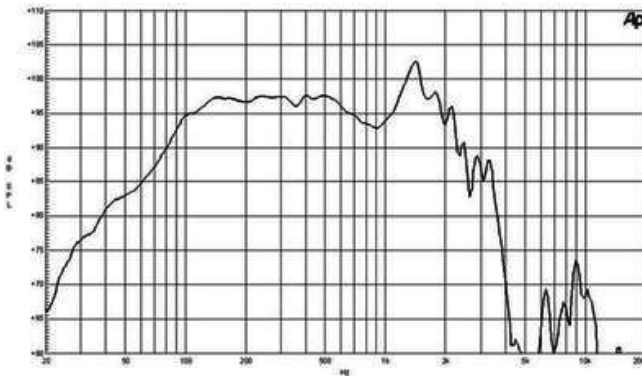


# 18NW100

LF Drivers - 18.0 Inches



- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 98 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



# 18NW100

LF Drivers- 18.0 Inches

## SPECIFICATIONS

Nominal diameter	460 mm (18.0 in)
Nominal impedance	8 $\Omega$
Minimum impedance	6.3 $\Omega$
Nominal power handling <sup>1</sup>	1200 W
Continuous power handling <sup>2</sup>	2400 W
Sensitivity (1W/1m) <sup>3</sup>	98.0 dB
Frequency range	35 - 1000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	25 mm (1.0 in)
Magnetic gap depth	12 mm (0.5 in)
Flux density	1.2 T

## MOUNTING AND SHIPPING INFO

Overall diameter	460 mm (18.0 in)
Bolt circle diameter	440 mm (17.3 in)
Baffle cutout diameter	422.0 mm (16.6 in)
Depth	209 mm (8.2 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	8.5 dm <sup>3</sup> (0.3 ft <sup>3</sup> )
Net weight	9.3 kg (20.5 lb)
Shipping weight	10.8 kg (23.8 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

## DESIGN

Surround shape	Triple Roll
Cone shape	Radial
Magnet material	Neodymium Inside Slug
Spider	Double Silicone
Pole design	T-Pole
Woofers cone treatment	TWP Waterproof Both Sides
Recommended enclosure	160.0 dm <sup>3</sup> (5.65 ft <sup>3</sup> )
Recommended tuning	37 Hz

## SERVICE KIT

RCK18NW1008

## PARAMETERS

Fs	31 Hz
Re	5.1 $\Omega$
Qes	0.27
Qms	4.2
Qts	0.26
Vas	252.0 dm <sup>3</sup> (8.9 ft <sup>3</sup> )
Sd	1210.0 cm <sup>2</sup> (187.6 in <sup>2</sup> )
$\eta_0$	2.7 %
Xmax	9.0 mm
Xvar	11.0 mm
Mms	211 g
Bl	28.0 Txm
Le	1.7 mH
EBP	114 Hz

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.

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