



8NW51

LF Drivers - 8.0 Inches

400 W continuous program power capacity
 50 mm (2 in) copper voice coil
 70 - 3000 Hz response
 96.5 dB sensitivity
 Neodymium ring magnet assembly
 Shorting copper cap for extended HF response
 Ventilated voice coil gap for reduced power compression



Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.7 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	97.0 dB
Frequency range	70 - 3000 Hz
Voice coil diameter	51 mm (2.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	19 mm (0.73 in)
Magnetic gap depth	10 mm (0.4 in)
Flux density	1.3 T

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides

Parameters⁴

Fs	74 Hz
Re	5.2 Ω
Qes	0.19
Qms	2.7
Qts	0.17
Vas	11.0 dm ³ (0.4 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η _p	2.4 %
X _{max}	6.0 mm
X _{var}	6.0 mm
M _{ms}	28 g
Bl	18.9 Txm
Le	0.4 mH
EBP	389 Hz

Mounting And Shipping Info

Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187.0 mm (7.4 in)
Depth	100 mm (4.0 in)
Flange and gasket thickness	11 mm (0.4 in)
Air volume occupied by driver	1.1 dm ³ (0.04 ft ³)
Net weight	3.0 kg (6.6 lb)
Shipping weight	3.4 kg (7.5 lb)
Shipping box	300x160x180 mm (11.8x6.3x7.1 in)

Service Kit

RCK008NW518

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.