



18PS76

LF Drivers - 18.0 Inches

1200 W continuous program power capacity
76 mm (3 in) copper voice coil
40 - 2000 Hz response
99 dB sensitivity
Double silicone spider with optimized compliance



Specifications

Nominal diameter	460 mm (18.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.5 Ω
Nominal power handling ¹	600 W
Continuous power handling ²	1200 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	24 mm (0.92 in)
Magnetic gap depth	11 mm (0.4 in)
Flux density	1.25 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Ferrite

Design

Spider	Double Silicone
Pole design	Straight Pole
Recommended enclosure	150.0 dm ³ (5.3 ft ³)
Recommended tuning	45 Hz

Parameters⁴

Fs	39 Hz
Re	5.0 Ω
Qes	0.29
Qms	6.1
Qts	0.27
Vas	207.0 dm ³ (7.2 ft ³)
Sd	1210.0 cm ² (187.6 in ²)
η_0	4.0 %
Xmax	7.0 mm
Xvar	8.0 mm
Mms	149 g
Bl	25.8 Txm
Le	1.9 mH

Parameters

EBP	134 Hz
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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	202 mm (7.95 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	9.0 dm ³ (0.32 ft ³)
Net weight	10.7 kg (23.5 lb)
Shipping weight	12.2 kg (26.8 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

Service Kit

RCK18PS768

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.