



18IPAL

LF Drivers Neo - 18.0 Inches

3400 W continuous program power capacity
 116 mm (4.5 in) split winding aluminium voice coil
 32 - 1000 Hz response
 97 dB sensitivity

Double silicone spider with optimized compliance
 80 mm peak-to-peak excursion before damage

Neodymium magnet allows a very high force factor and linear excursion
 Ventilated voice coil gap for reduced power compression
 AVAILABLE TO OEM MANUFACTURERS ONLY.



Specifications

Nominal diameter	460 mm (18.0 in)
Nominal impedance	2 Ω
Minimum impedance	2.1 Ω
Nominal power handling	1700 W
Continuous power handling	3400 W
Sensitivity (1W/1m)	97.0 dB
Frequency range	32 - 1000 Hz
Voice coil diameter	116 mm (4.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	44 mm (1.7 in)
Magnetic gap depth	12 mm (0.47 in)
Flux density	1.5 T

Design

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

Design

Spider	Double Silicone
Pole design	T-Pole
Woofers cone treatment	TWP Waterproof Both Sides
Recommended enclosure	150.0 dm ³ (5.3 ft ³)
Recommended tuning	35 Hz

Parameters

Fs	32 Hz
Re	1 Ω
Qes	0.14
Qms	4.2
Qts	0.14
Vas	164.0 dm ³ (5.8 ft ³)
Sd	1210.0 cm ² (187.6 in ²)
η _o	3.3 %
Xmas	20.0 mm
Xvar	15.0 mm
Mms	330 g
Bl	24.5 Txm

Parameters

Le	0.65 mH
Ebp	228 Hz

Mounting And Shipping Info

Overall diameter	460 mm (18.0 in)
Bolt circle diameter	443 mm (17.44 in)
Baffle cutout diameter	422.0 mm (16.6 in)
Depth	242 mm (9.5 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	10.5 dm ³ (0.37 ft ³)
Net weight	11.9 kg (26.2 lb)
Shipping units	1
Shipping weight	13.9 kg (30.6 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

Other

Service kit	RCK18IPALM
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