

10HPL64

LF Drivers - 10 Inches

400 W continuous program power capacity
64 mm (2.5 in) aluminium voice coil
60 - 4000 Hz response
98.5 dB sensitivity

Neodymium magnet allows a very light yet powerful motor assembly



Specification

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.2 ohm
Continuous Power Handling	400 W
Nominal Power Handling (AES)	200 W
Sensitivity (1W/1m)	99 dB
Frequency Range	60 - 4000 Hz
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Magnet Material	Neodymium Inside Slug
Winding Depth	12 mm (0.47 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.25 T

Design

Surround Shape	Double Roll
Cone Shape	Exponential
Magnet Type	Neodymium Inside Slug

Design

Spider	Single
Pole Design	Straight Pole
Recommended Enclosure vol	26 dm3 (0.92 ft3)
Recommended tuning freq.	67 Hz

Parameters

Fs	61 Hz
Re	5.4 ohm
Qes	0.33
Qms	4.5
Qts	0.31
Vas	32 dm3 (1.1 ft3)
Sd	320 cm2 (50 in2)
EtaZero	2.5 %
Xmax	+ - 4 mm
Xvar	+ - 5.5 mm
Mms	29 g
Bl	15 Txm
Le	0.5 mH

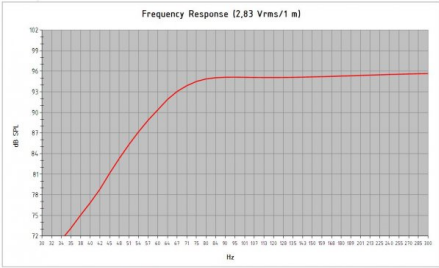
Parameters

EBP	184 Hz
-----	--------

Mounting & Shipping

Overall Diameter	261 mm (10.3 in)
Bolt Circle Diameter	245 mm (9.6 in)
Baffle Cutout Diameter	230 mm (8.8 in)
Depth	122 mm (4.8 in)
Flange and Gasket Thickness	12.5 mm (0.5 in)
Air volume occupied by driver	1.5 dm3 (0.05 ft3)
Net Weight	2 kg (4.4 lb)
Shipping Weight	2.6 kg (5.7 lb)
Shipping Box	270x270x150 mm (11.2x11.2x5.9 in)

Service kit	RCK010HPL648
-------------	--------------



Model: **52APL 64**
Enclosure Type: **Base Reflex**
Internal Net Volume (L/ft³): **25**
Tuning Frequency (Hz): **67**
Frequency (-3 dB) (Hz): **67.0**
Port Area (cm²): **66.4**
Port Length (cm): **9.6**
Excursion Limited Maximum SPL at 1 meter (dB): **116.9** equal to **127.4** Watts (Base Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **117.9** equal to **200.0** Watts (Mid Band Power Rating)