

# 12HPL64

## LF Drivers - 12.0 Inches

400 W continuous program power capacity  
 64 mm (2.5 in) aluminium voice coil  
 50 - 4000 Hz response  
 100 dB sensitivity

Neodymium magnet allows a very light yet powerful motor assembly



### Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.5 Ω
Nominal power handling <sup>1</sup>	200 W
Continuous power handling <sup>2</sup>	400 W
Sensitivity (1W/1m) <sup>3</sup>	100.0 dB
Frequency range	50 - 4000 Hz
Voice coil diameter	64 mm (2.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	13 mm (0.5 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.25 T

### Design

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

### Design

Spider	Single
Pole design	Straight Pole
Recommended enclosure	60.0 dm <sup>3</sup> (2.12 ft <sup>3</sup> )
Recommended tuning	60 Hz

### Parameters<sup>4</sup>

Fs	52 Hz
Re	6.0 Ω
Qes	0.35
Qms	3.3
Qts	0.32
Vas	85.0 dm <sup>3</sup> (3.0 ft <sup>3</sup> )
Sd	522.0 cm <sup>2</sup> (80.9 in <sup>2</sup> )
η <sub>o</sub>	3.3 %
Xmax	4.0 mm
Xvar	4.5 mm
Mms	42 g
Bl	14.9 Txm
Le	1.1 mH

### Parameters

EBP	148 Hz
-----	--------

### Mounting And Shipping Info

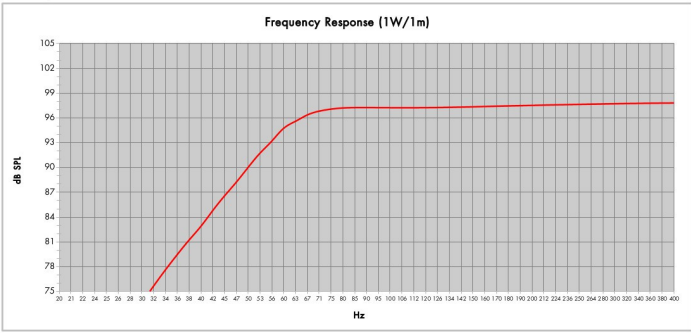
Overall diameter	315 mm (12.4 in)
Bolt circle diameter	296 mm (11.6 in)
Baffle cutout diameter	282.0 mm (11.1 in)
Depth	144 mm (5.7 in)
Flange and gasket thickness	13 mm (0.5 in)
Air volume occupied by driver	0.0 dm <sup>3</sup> (0.0 ft <sup>3</sup> )
Net weight	2.1 kg (4.6 lb)
Shipping weight	2.8 kg (6.2 lb)
Shipping box	380x380x170 mm (15x15x6.7 in)

### Service Kit

RCK012HPL648
--------------

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.



Model: **12HPL64**  
Enclosure Type: **Bass Reflex** Configuration: **One Driver**  
Internal Net Volume (liters): **60** QB: **7**  
Tuning Frequency (Hz): **60,7** Port Area (cm<sup>2</sup>): **77,0**  
Frequency (-3 dB) (Hz): **60,7** Port Length (cm): **2,0**  
Frequency (-10 dB) (Hz): **46,8**