

12HPL64

LF Drivers - 12.0 Inches

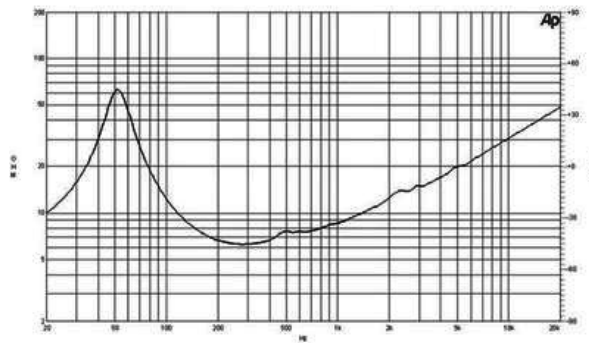
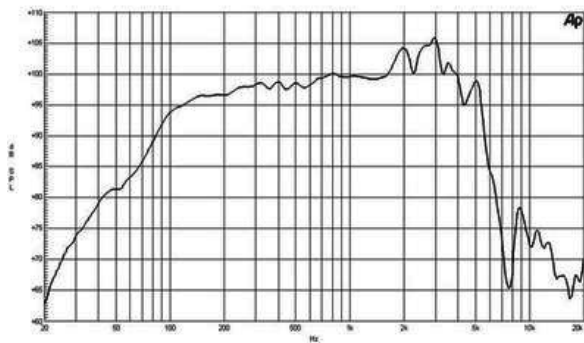


- 400 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 50 - 4000 Hz response
- 100 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly



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SPECIFICATIONS

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.5 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	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
Spider	Single
Pole design	Straight Pole
Recommended enclosure	60.0 dm ³ (2.12 ft ³)
Recommended tuning	60 Hz

PARAMETERS

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