

12FL64

LF Drivers - 12.0 Inches

500 W continuous program power capacity
 64 mm (2.5 in) copper voice coil
 50 - 4000 Hz response
 96,5 dB sensitivity



Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.0 Ω
Nominal power handling ¹	250 W
Continuous power handling ²	500 W
Sensitivity (1W/1m) ³	96.5 dB
Frequency range	50 - 4000 Hz
Voice coil diameter	64 mm (2.5 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	13 mm (0.51 in)
Magnetic gap depth	9 mm (0.35 in)
Flux density	1.2 T

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ferrite Ring

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	40.0 dm ³ (1.4 ft ³)
Recommended tuning	55 Hz

Parameters⁴

Fs	51 Hz
Re	5.7 Ω
Qes	0.34
Qms	6.6
Qts	0.32
Vas	50.0 dm ³ (1.76 ft ³)
Sd	522.0 cm ² (80.9 in ²)
η _o	1.9 %
X _{max}	5.0 mm
X _{var}	6.0 mm
M _{ms}	75 g
Bl	20.2 Txm

Parameters

Le	1.6 mH
EBP	150 Hz

Mounting And Shipping Info

Overall diameter	315 mm (12.4 in)
Bolt circle diameter	298 mm (11.7 in)
Baffle cutout diameter	283.0 mm (11.1 in)
Depth	135 mm (5.3 in)
Flange and gasket thickness	14 mm (0.55 in)
Air volume occupied by driver	3.0 dm ³ (0.1 ft ³)
Net weight	5.0 kg (11.0 lb)
Shipping units	1
Shipping weight	5.6 kg (12.3 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

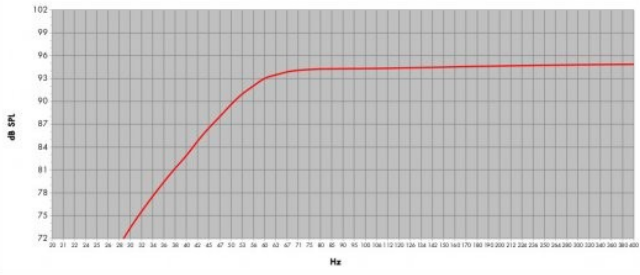
Service Kit

RCK12FL648

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.

Frequency Response (1W/1m)



Model: **12FL64**
 Enclosure Type: **Box Reflex** Configuration: **One Driver**
 Internal Net Volume (Liters): **40** QES: **7**
 Tuning Frequency (Hz): **55** Port Area (cm²): **86.0**
 Frequency (-3 dB) (Hz): **55.8** Port Length (cm): **12.2**

Excursion Limited Maximum SPL at 1 meter (dB): **117.0** equal to **183.2** Watts (RMS Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **118.9** equal to **250.0** Watts (Mid Band Power Rating)