

10FL64

LF Drivers - 10.0 Inches

500 W continuous program power capacity
 64 mm (2.5 in) copper voice coil
 65 - 2500 Hz response
 96 dB sensitivity
 Shorting copper cap for extended HF response



Specifications

Nominal diameter	250 mm (10.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.3 Ω
Nominal power handling ¹	250 W
Continuous power handling ²	500 W
Sensitivity (1W/1m) ³	96.0 dB
Frequency range	65 - 2500 Hz
Voice coil diameter	64 mm (2.52 in)
Winding material	Copper
Former material	Kapton
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

Design

Spider	Single
Pole design	Straight Pole
Woofers cone treatment	WP Waterproof Front Side
Recommended enclosure	25.0 dm ³ (0.88 ft ³)
Recommended tuning	65 Hz

Parameters⁴

Fs	63 Hz
Re	5.6 Ω
Qes	0.34
Qms	5.4
Qts	0.32
Vas	23.0 dm ³ (0.81 ft ³)
Sd	320.0 cm ² (50.0 in ²)
η _o	1.7 %
X _{max}	5.0 mm
X _{var}	6.0 mm
M _{ms}	38 g
Bl	16.0 Txm

Parameters

Le	0.7 mH
EBP	185 Hz

Mounting And Shipping Info

Overall diameter	261 mm (10.28 in)
Bolt circle diameter	245 mm (9.6 in)
Baffle cutout diameter	230.0 mm (8.8 in)
Depth	105 mm (4.13 in)
Flange and gasket thickness	12 mm (0.49 in)
Air volume occupied by driver	2.0 dm ³ (0.07 ft ³)
Net weight	4.9 kg (10.8 lb)
Shipping units	1
Shipping weight	5.5 kg (12.13 lb)
Shipping box	330x330x160 mm (13x13x6.30 in)

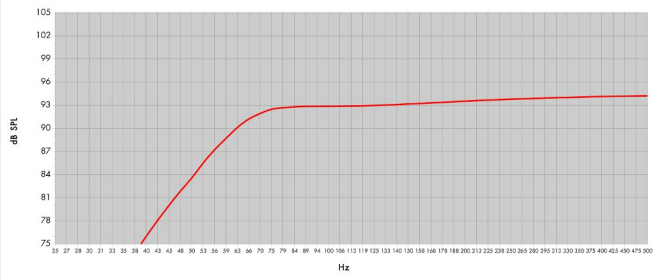
Service Kit

RCK10FL648

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:	10FL64		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	20	QB:	7
Tuning Frequency (Hz):	65	Port Area (cm ²):	55,0
Frequency (-3 dB) (Hz):	67,3	Port Length (cm):	12,3
Frequency (-10 dB) (Hz):	51,3		