12FW64

LF Drivers - 12.0 Inches

500 W continuous program power capacity
64 mm (2.5 in) aluminium voice coil
50 - 3000 Hz response
98 dB sensitivity

Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.7 Ω
Nominal power handling[1]	250 W
Continuous power handling[2]	500 W
Sensitivity (1W/1m)[3]	98.0 dB
Frequency range	55 - 3000 Hz
Voice coil diameter	64 mm (2.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	14 mm (0.55 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.3 T

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ferrite

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

Parameters[4]

Fs	55 Hz
Re	5.2 Ω
Qes	0.32
Qms	3.5
Qts	0.29
Vas	64.0 dm^3 (2.26 ft^3)
Sd	522.0 cm^2 (80.9 in^2)
η$_0$	3.6 %
Xmax	5.0 mm
Xvar	5.0 mm
Mms	47 g
Bl	15.5 Txm

Parameters

Le	1.0 mH
EBP	171 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	136 mm (5.35 in)
Flange and gasket thickness	13 mm (0.51 in)
Air volume occupied by driver	3.0 dm^3 (0.1 ft^3)
Net weight	5.6 kg (12.3 lb)
Shipping weight	6.2 kg (13.7 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

Service Kit

RCK12FW648

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)
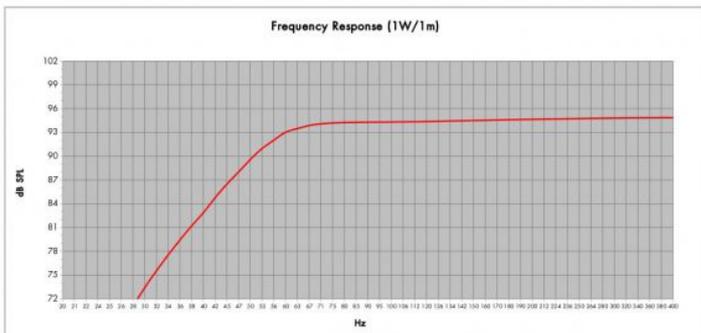
Model:	12FW64		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	40	QB:	7
Tuning Frequency (Hz):	55	Port Area (cm²):	86,0
Frequency [-3 dB] (Hz):	55,8	Port Length (cm):	12,2