

15FW76

LF Drivers - 15.0 Inches

1000 W continuous program power capacity
76 mm (3 in) copper voice coil
40 - 2000 Hz response
100 dB sensitivity
Aluminium demodulating ring allows a very low distortion figure
Double silicone spider and ventilated voice coil gap



Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.4 Ω
Nominal power handling ¹	500 W
Continuous power handling ²	1000 W
Sensitivity (1W/1m) ³	100.0 dB
Frequency range	40 - 2000 Hz
Voice coil diameter	76 mm (3.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	19 mm (0.75 in)
Magnetic gap depth	11 mm (0.43 in)
Flux density	1.25 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Ferrite

Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	80.0 dm ³ (2.82 ft ³)
Recommended tuning	50 Hz

Parameters⁴

Fs	40 Hz
Re	5.1 Ω
Qes	0.22
Qms	5.1
Qts	0.21
Vas	138.0 dm ³ (4.9 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η_0	3.9 %
Xmax	7.0 mm
Xvar	8.0 mm
Mms	117 g
Bl	26.2 Txm

Parameters

Le	1.4 mH
EBP	181 Hz

Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	177 mm (6.97 in)
Flange and gasket thickness	14 mm (0.55 in)
Air volume occupied by driver	5.5 dm ³ (0.19 ft ³)
Net weight	9.2 kg (20.2 lb)
Shipping units	1
Shipping weight	10.5 kg (23.1 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

Service Kit

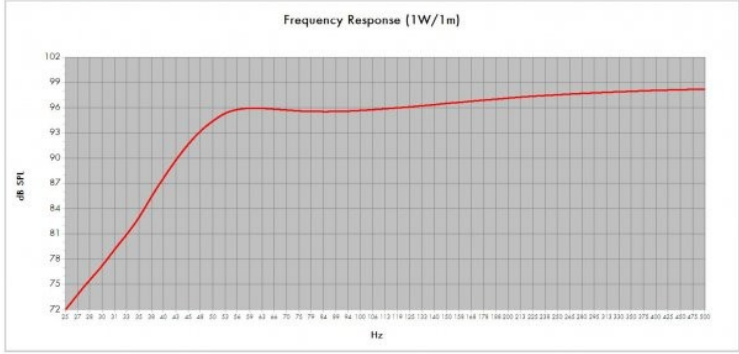
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1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

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:	15FW76	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (litres):	80	Q _t :	7
Tuning Frequency (Hz):	50	Port Area (cm ²):	204,0
Frequency (-3 dB) (Hz):	34,0	Port Length (cm):	16,6
Excursion Limited Maximum SPL at 1 meter (dB): 123,2 equal to 376,7 Watts (Bass Band Power Rating)			
Thermal Limited Maximum SPL at 1 meter (dB): 125,4 equal to 500,0 Watts (Mid Band Power Rating)			