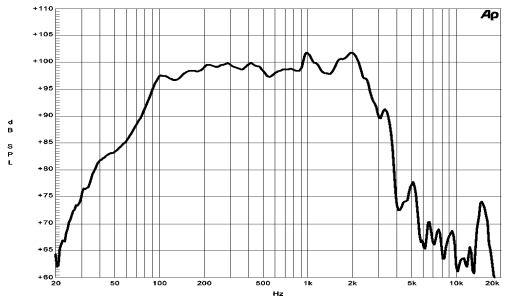
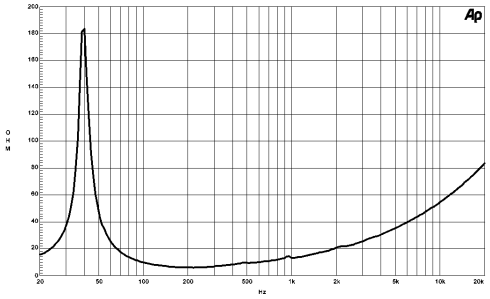
15 PL 40 | Woofer

High efficiency 15" woofer using a 3" copper voice coil that allows a high power handling (800W). Very good LF performance in compact bass-reflex enclosures, flat frequency response, the 15 PL 40 represents an optimal choice for a two-way system. Can be used with success also in horn loaded enclosures.





Specifications

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minumum Impedance	6.2 Ω
Power Handling (50 –500 Hz)	
Nominal[1]	400 W
Continuous Program[2]	800 W
Sensitivity (1W/1m)[3]	99 dB
Frequency Range	40-2000 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	16 mm (5/8 in)
Magnetic Gap Depth	9 mm (11/32 in)
Flux Density	1.2 T

Also available in 4 Ω, data upon request

Thiele & Small Parameters[4]

Fs	39 Hz
Re	5.1 Ω
Qes	0.23
Qms	8.7
Qts	0.22
Vas	211 dm^3 (7.4 ft^3)
Sd	855 cm^2 (132.5 in^2)
η_0	5.3%
X max	± 4 mm
X var	± 4 mm
Mms	79 g
Bl	20.6 T·m
Le	2 mH

Mounting and Shipping Information

Overall Diameter	394 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.6 in)
Baffle Cutout Diameter	355 mm (13.9 in)
Depth	163 mm (6.4 in)
Flange and Gasket Thickness	16 mm (5/8 in)
Net Weight	8.9 kg (19.6 lb)
Shipping Weight	9.6 kg (22.4 lb)
Shipping Box	450x450x200 mm (17.7x17.7x8 in)

[1] 2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified range. 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 2.83V for 8 ohms Nominal Impedance. Average SPL from 200 to 2000Hz.
[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.