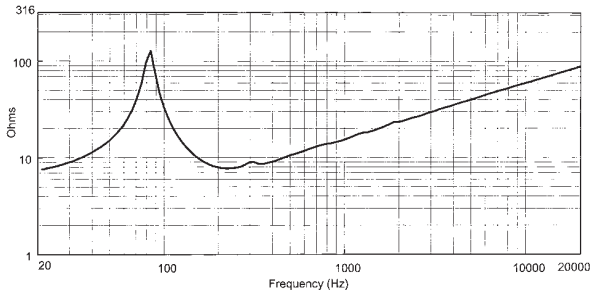
MID-BASS L12P540

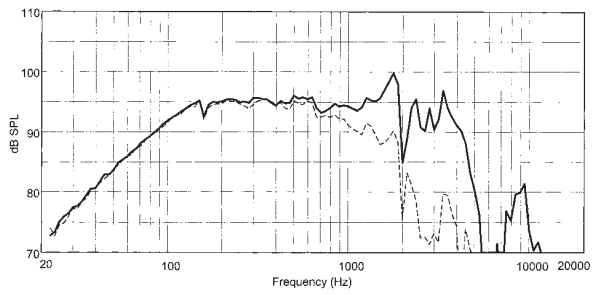


Product Features:

- High power 12” Mid-Bass
- 3 inch voice coil
- Dual spider design with silicon based dampening control
- Excellent in compact reflex systems



Frequency response curve of the loudspeaker taken in a hemispherical, free field environment and mounted in a closed box with an internal volume of 600 liters (21.2 cu. ft.) enclosing the rear of the driver. The impedance magnitude curve is measured in free air.



2nd and 3rd harmonic distortion levels have been raised 20dB. Measurements made at 10% of rated power.

MODEL L12P540		CODE 111.45.017

General Specifications

Nominal Diameter	300/11,8	mm/inch
Rated Impedance	8	Ω
Power handling capacity [1]	400	Watts
Program Power [2]	800	Watts
Sensitivity 1W, 1m [3]	97	dB
Frequency Range	50 - 2000	Hz
Effective Piston Diameter	260/10,2	mm/inch
Maximum Excursion Before Damage (peak to peak)	34/1,3	mm/inch
Minimum Impedance	7,4	Ω
Voice Coil Diameter	76/3	mm/inch
Voice Coil Material	Copper	
Voice Coil Winding Depth	18/0,7	mm/inch
Number of layers	2	
Kind of layer	Outside	
Thickness Top Plate Depth	10/0,4	mm/inch

Thiele - Small Parameters [4]

Resonance frequency	F_s	59	Hz
DC resistance	R_e	5,6	Ω
Mechanical factor	Q_{ms}	11	
Electrical factor	Q_{es}	0,36	
Total factor	Q_{ts}	0,35	
BL Factor	BL	19,45	T x m
Effective Moving Mass	M_{ms}	66	gr
Equivalent C_{as} air load	V_{as}	45	liters
Effettive piston area	S_d	0,053	m^2
Max. linear excursion	X_{max}	6,5	mm
Voice - coil inductance @ 1KHz	Le_{1k}	1,8	mH
Half-space efficiency	Eff	2,47	%

Mounting Information

Overall Diameter	320/12,6	mm/inch
Bolt Circle Diameter	300	mm
Bolt Hole Diameter	7/0,3	mm/inch

Baffle Cutout Diameter

Front Mount	286/11,3	mm/inch
Rear Mount	284/11,2	mm/inch
Depth	155/6,1	mm/inch
Volume occupied by the Driver	2,30/0,1	liters/ft^3
Net Weight	8,50/18,7	Kg/lbs.
Shipping Weight	9,00/19,8	Kg/lbs.

Notes to Specifications

1 AES standard (50 - 500) Hz

2 Program power is defined as 3dB greater than the nominal rating.

3 Sensitivity measurement is based on a 100-500Hz pink noise signal with input power of 2.83V @ 8 Ohms.

4 Thiele-Small parameters are measured after a 2 hour warm up period running the loudspeaker at full power handling capacity.