BL12-100

☀ 12 inch ☀ 550 Watts
☀ 96 dB ☀ 56 ~ 800 Hz

KEY FEATURES:

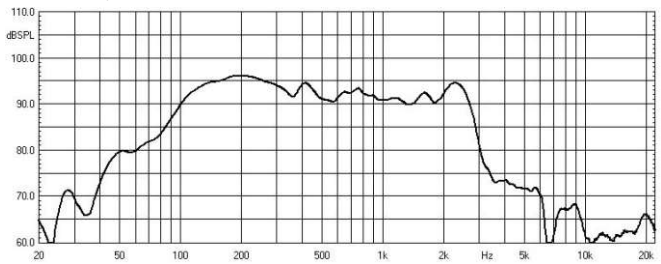
① 1100W continuous program power capacity
② 96dB sensitivity, 1w/1m
③ 56~800Hz frequency response range
④ 100mm(4") copper voice coil
⑤ Heavy duty magnet
⑥ Ideal for compact bass-reflex subwoofer application

GENERAL SPECIFICATIONS	
Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling[1]	550 Watts
Program Power[2]	1100 Watts
Sensitivity(1w/1m)[3]	96 dB
Frequency Range[4]	56 ~ 800 Hz
Minimum Impedance(Zmin)	7 ohm
Voice Coil Diameter	100mm /4inch
Voice Coil Material	Copper
Former Material	Black Aluminum
Voice Coil Winding Depth	21 mm
Number of layers	2
Magnet gap depth	10.7 mm
Basket	Cast Aluminum
Flux Density	1.1T
Magnet Outer Diameter / Wgt	220mm / 125 oz

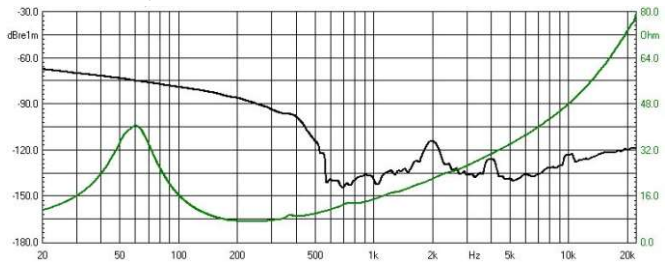
THIELE – SMALL PARAMETERS[5]		
Resonance frequency	Fs	60 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	2.3
Electrical factor	Qes	0.35
Total factor	Qts	0.31
Mechanical compliance	Cms	0.07 mm/N
Mechanical resistance of suspension losses	Rms	17.2mech-ohm
Effective Moving Mass	Mms	104 g
Half-space efficiency	Eff	1.7%
BL Factor	BL	24.5 T.m
Equivalent Cas air load	Vas	28 liters
Effective piston area	Sd	0.0547 m^2
Max. linear excursion[6]	Xmax	7.5 mm
Voice coil inductance	Le1K	1.5 mH
Efficiency Bandwidth Product	EBP	171

MOUNTING INFORMATION	
Overall Diameter	313 mm
Bolt Circle Diameter	294 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	285 mm
Overall Depth	125 mm
Net Weight	11 kg
Shipping Weight	11.7 kg
Shipping Box	345x345x170mm

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air



Laser displacement in dBmeter

Impedance in ohm

NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. T/S parameters measured with laser system without preconditioning test at 23 Celsius degree environment.
6. The maximum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is the voice coil depth and Hg is the gap depth.