BL12-65

☀ 12 inch ☀ 350 Watts
☀ 96 dB ☀ 50 ~ 2800 Hz

KEY FEATURES:

① 700W continuous program power capacity
② 96dB sensitivity, 1w/1m
③ 65mm(2.5") copper clad aluminum voice coil with fiberglass former
④ FEA optimized magnet system design for lower distortion and minimum power compression
⑤ Aluminum demodulating ring for lower distortion
⑥ Ideal for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling[1]	350 Watts
Program Power[2]	700 Watts
Sensitivity(1w/1m)[3]	96 dB
Frequency Range[4]	50 ~ 2800 Hz
Minimum Impedance(Zmin)	6.7 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	17 mm
Number of layers	4
Magnet gap depth	9.5 mm
Basket	Cast Aluminum
Flux Density	0.9T
Magnet Outer Diameter / Wgt	170mm / 65 oz

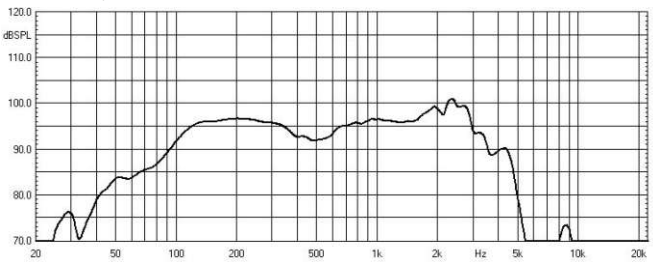
THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	51 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	10.5
Electrical factor	Qes	0.4
Total factor	Qts	0.39
Mechanical compliance	Cms	0.14 mm/N
Mechanical resistance of suspension losses	Rms	2.17mech-ohm
Effective Moving Mass	Mms	71 g
Half-space efficiency	Eff	1.7%
BL Factor	BL	17.4 T.m
Equivalent Cas air load	Vas	54 liters
Effective piston area	Sd	0.0531 m^2
Max. linear excursion[6]	Xmax	6.3 mm
Voice coil inductance	Le1K	1.1 mH
Efficiency Bandwidth Product	EBP	128

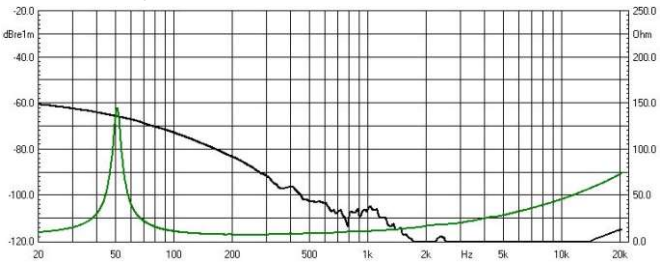
MOUNTING INFORMATION

Overall Diameter	322 mm
Bolt Circle Diameter	303 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	288 mm
Overall Depth	152 mm
Net Weight	6 kg
Shipping Weight	6.7 kg
Shipping Box	335x335x165mm

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.