ISIO-65

☀ 10 inch ☀ 280 Watts
☀ 95 dB ☀ 60 ~ 4500 Hz

KEY FEATURES:

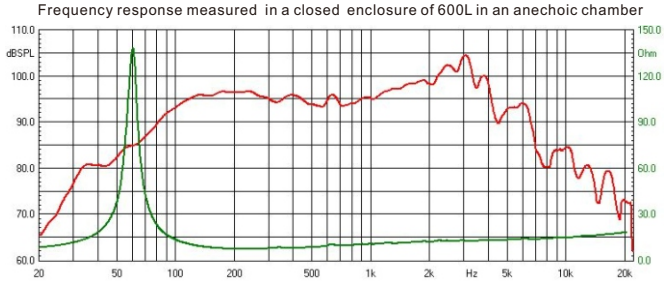
① 560 W continuous program power capacity
② 95dB Sensitivity 1w/1m
③ 60 ~ 4500Hz frequency response range
④ CCAW wire wounded on polyimide former for higher SPL
⑤ Push terminal
⑥ Copper shorting ring ensures extremely linear impedance and minimized distortion
⑦ Ideal for vented enclosure

GENERAL SPECIFICATIONS	
Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling[1]	280 Watts
Program Power[2]	560 Watts
Sensitivity(1w/1m)[3]	95 dB
Frequency Range[4]	60 ~ 4500Hz
Minimum Impedance(Zmin)	7.2 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	16.2 mm
Number of layers	2
Magnet gap depth	9.5 mm
Basket	Pressed Steel
Flux Density	1.0 T
Magnet Out Diameter/Wgt	156mm / 54 oz

THIELE – SMALL PARAMETERS[5]		
Resonance frequency	Fs	60 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	10.5
Electrical factor	Qes	0.43
Total factor	Qts	0.41
Mechanical compliance	Cms	0.15mm/N
Mechanical resistance of total-driver losses	Rms	1.6 kg/s
Effective Moving Mass	Mms	45 g
Half-space efficiency	Eff	1.4%
BL Factor	BL	14.8 T.m
Equivalent Cas air load	Vas	28 liters
Effective piston area	Sd	0.0363 m^2
Max. linear excursion[6]	Xmax	±5.6 mm
Max. excursion before damage	Xdam	±14 mm
Voice coil inductance(1kHz)	Le	0.39 mH
Efficiency Bandwidth Product	EBP	139

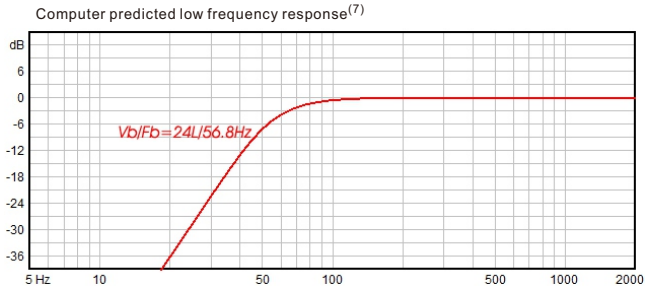
MOUNTING INFORMATION	
Overall Diameter	256.3 mm
Bolt Circle Diameter	244 mm
Bolt Hole Diameter	5.2 mm
Baffle Cutout Diameter	230 mm
Overall Depth	104.5 mm
Air volume occupied by driver	1.8 liters
Net Weight	4.8 kg
Shipping Weight	5.3 kg
Shipping Box	275x275x145 mm

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



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



Vb/Fb = 24L/56.8Hz

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 BEFORE preconditioning test.
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.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.