

# ISI2-65

☀️ 12 inch ☀️ 300 Watts  
☀️ 96 dB ☀️ 47 ~ 5100 Hz



## KEY FEATURES:

- ① 600 W continuous program power capacity
- ② 96dB Sensitivity 1w/1m
- ③ 47 ~ 5100Hz 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 <sup>1</sup>	300 Watts
Program Power <sup>2</sup>	600 Watts
Sensitivity(1w/1m) <sup>3</sup>	96 dB
Frequency Range <sup>4</sup>	47 ~ 5100Hz
Minimum Impedance(Zmin)	7.1 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCA W
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<sup>5</sup>

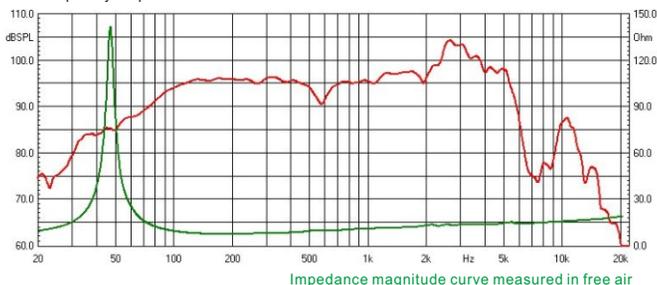
Resonance frequency	Fs	47 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	11.3
Electrical factor	Qes	0.45
Total factor	Qts	0.43
Mechanical compliance Mechanical resistance of total-driver losses	Cms	0.21mm/N
Effective Moving Mass	Rms	1.4 kg/s
Half-space efficiency	Mms	53 g
BL Factor	Eff	1.9%
Equivalent Cas air load	BL	13.8 T.m
Effective piston area	Vas	83 liters
Max. linear excursion <sup>6</sup>	Sd	0.0531 m <sup>2</sup>
Max. excursion before damage	Xmax	± 5.6 mm
Voice coil inductance(1kHz)	Xdam	±15.6mm
Efficiency Bandwidth Product	Le	0.47 mH
	EBP	104

## MOUNTING INFORMATION

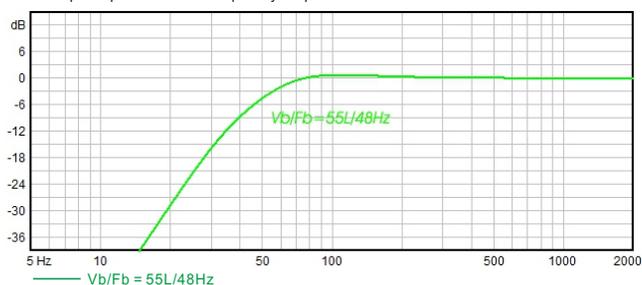
Overall Diameter	305.5 mm
Bolt Circle Diameter	294.5 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	280.5 mm
Overall Depth	130 mm
Air volume occupied by driver	3.1 liters
Net Weight	4.9 kg
Shipping Weight	5.6 kg
Shipping Box	350x350x185 mm



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



Computer predicted low frequency response<sup>(7)</sup>



## 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.