RO6-25

☀ 6.5 inch ☀ 50 Watts
☀ 88 dB ☀ 50 ~ 4200 Hz

KEY FEATURES:

① 100W continuous program power capacity
② 88dB sensitivity, 1w/1m
③ 50Hz ~4200Hz frequency response range
④ 25mm(1") two layers copper voice coil
⑤ PP cone, rubber edge
⑥ Ideal for bass-reflex systems

GENERAL SPECIFICATIONS

Nominal Diameter	170mm /6.5inch
Rated Impedance	8 ohm
Nominal Power handling[1]	50 Watts
Program Power[2]	100 Watts
Sensitivity(1w/1m)[3]	88 dB
Frequency Range[4]	50 ~ 4200 Hz
Minimum Impedance(Zmin)	7.4 ohm
Voice Coil Diameter	25mm /1inch
Voice Coil Material	Copper
Former Material	Aluminum
Voice Coil Winding Depth	11 mm
Number of layers	2
Magnet gap depth	4 mm
Basket	Pressed Steel
Flux Density	1.0T
Magnet Out Diameter/Wgt	90mm / 15 oz

THIELE – SMALL PARAMETERS[5]

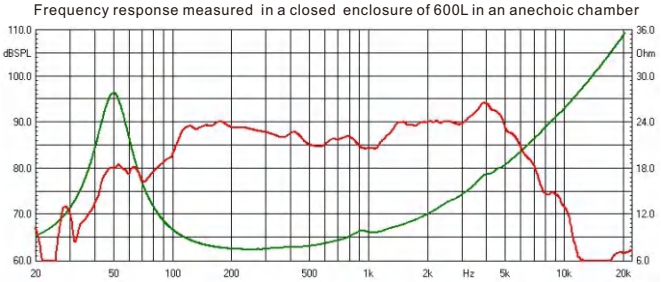
Resonance frequency	Fs	50 Hz
DC resistance	Re	6.4 ohm
Mechanical factor	Qms	2.2
Electrical factor	Qes	0.67
Total factor	Qts	0.52
Mechanical compliance	Cms	0.71 mm/N
Mechanical resistance of total-driver losses	Rms	2.0 mech-ohm
Effective Moving Mass	Mms	14 g
Half-space efficiency	Eff	0.32%
BL Factor	BL	6.5 T.m
Equivalent Cas air load	Vas	17 liters
Effective piston area	Sd	0.0133 m^2
Max. linear excursion[6]	Xmax	±4.5 mm
Max. excursion before damage	Xdam	±10.5mm
Voice coil inductance(1kHz)	Le	0.53 mH
Efficiency Bandwidth Product	EBP	76

MOUNTING INFORMATION

Overall Diameter	159 mm
Bolt Circle Diameter	161.5 mm
Bolt Hole Diameter	4.9 mm
Baffle Cutout Diameter	145 mm
Overall Depth	71 mm
Air volume occupied by driver	0.8 liters
Net Weight	0.9 kg
Shipping Weight	1.1 kg
Shipping Box	175x175x85mm

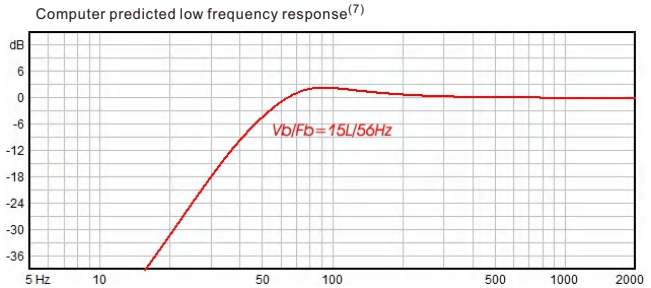
Also available in 4ohm, data upon request.

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 = 15L/56Hz

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.