V3005m

VERIFIED WITH KLIPPEL

- 5 inch
- 100 Watts
- 91 dB
- 121 ~ 7000 Hz

KEY FEATURES:

① 200 W continuous program power capacity
② 91dB Sensitivity 1w/1m
③ Smooth frequency response up to 7000Hz
④ 38mm(1.5") CCAW wire wounded on fiberglass
⑤ FEA designed ferrite magnetic provides low harmonic distortion
⑥ High grade Y35 ferrite magnet
⑦ Ideal for the use in line array as mid-bass or 3-way system as midrange

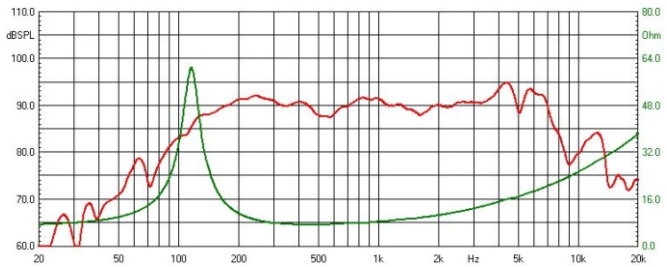
GENERAL SPECIFICATIONS	
Nominal Diameter	127mm /5inch
Rated Impedance	8 ohm
Nominal Power handling[1]	100 Watts
Program Power[2]	200 Watts
Sensitivity(1w/1m)[3]	91 dB
Frequency Range[4]	121 ~ 7000Hz
Minimum Impedance(Zmin)	6.8 ohm
Voice Coil Diameter	38mm /1.5inch
Voice Coil Material	CCAW
Former Material	Fiberglass
Voice Coil Winding Depth	9.1 mm
Number of layers	2
Magnet gap depth	6 mm
Basket	Cast Aluminum
Flux Density	1.13T
Magnet Out Diameter/Wgt	100mm / 19 oz

THIELE – SMALL PARAMETERS[5]		
Resonance frequency	Fs	121 Hz
DC resistance	Re	5.8 ohm
Mechanical factor	Qms	6.4
Electrical factor	Qes	0.64
Total factor	Qts	0.58
Mechanical compliance	Cms	0.20mm/N
Mechanical resistance of total-driver losses	Rms	1.03 kg/s
Effective Moving Mass	Mms	8.6 g
Half-space efficiency	Eff	0.6%
BL Factor	BL	7.8 T.m
Equivalent Cas air load	Vas	2.1 liters
Effective piston area	Sd	0.086 m^2
Max. linear excursion[6]	Xmax	±3 mm
Max. excursion before damage	Xdam	±7 mm
Voice coil inductance(1kHz)	Le	0.43 mH
Efficiency Bandwidth Product	EBP	189

MOUNTING INFORMATION	
Overall Diameter	155 mm
Bolt Circle Diameter	142 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	122 mm
Overall Depth	78 mm
Air volume occupied by driver	0.5 liters
Net Weight	1.4 kg
Shipping Weight	1.6 kg
Shipping Box	145x145x90mm

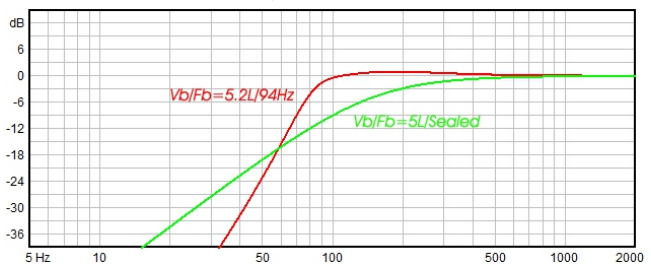
Also available in 16ohm, data upon request.

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 = 5.2L/94Hz — Vb/Fb = 5L/Sealed

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. Thiele-Small parameters are measured with Klippel DA LPM module after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
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.