V3208m/16

- 8 inch
- 200 Watts
- 95 dB
- 90 ~ 6000 Hz

KEY FEATURES:

① 400 W continuous program power capacity
② High sensitivity 95dB/1w/1m
③ Very smooth response up to 6k Hz
④ 2" inside/outside copper clad aluminum voice coil wounded on polyimide former
⑤ Weather protected cone for outdoor usage
⑥ Aluminum demodulating ring for very low distortion
⑦ Inverted dust cap to minimize the cone distortion and for better coupling to a phase plug
⑧ Optimized for the use in line array or multi-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	200mm /8inch
Rated Impedance	16 ohm
Nominal Power handling[1]	200 Watts
Program Power[2]	400 Watts
Sensitivity(1w/1m)[3]	95 dB
Frequency Range[4]	90 ~ 6000Hz
Minimum Impedance(Zmin)	14.5 ohm
Voice Coil Diameter	50mm /2inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	14 mm
Number of layers	2(inside/outside)
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.3T
Magnet Out Diameter/Wgt	140mm / 45 oz

THIELE – SMALL PARAMETERS[5]

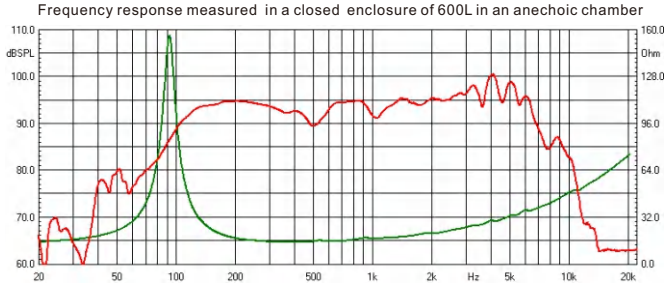
Resonance frequency	Fs	92 Hz
DC resistance	Re	12.6 ohm
Mechanical factor	Qms	7.3
Electrical factor	Qes	0.64
Total factor	Qts	0.59
Mechanical compliance	Cms	0.15 mm/N
Mechanical resistance of total-driver losses	Rms	1.62 kg/s
Effective Moving Mass	Mms	20 g
Half-space efficiency	Eff	1.2%
BL Factor	BL	15.2 T.m
Equivalent Cas air load	Vas	10 liters
Effective piston area	Sd	0.0222 m^2
Max. linear excursion[6]	Xmax	±6 mm
Max. excursion before damage	Xdam	±16mm
Voice coil inductance(1kHz)	Le	0.98 mH
Efficiency Bandwidth Product	EBP	144

MOUNTING INFORMATION

Overall Diameter	200 mm
Bolt Circle Diameter	212 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	180 mm
Overall Depth	100 mm
Air volume occupied by driver	1.2 liters
Net Weight	3.2 kg
Shipping Weight	3.6 kg
Shipping Box	220x220x110mm

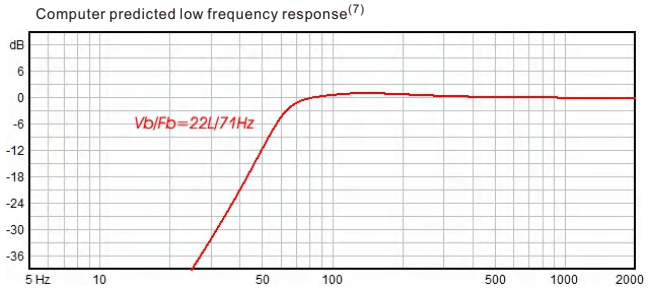
Also available in 8ohm, data upon request.

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 = 33L/57Hz

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.