V3010m/16

- 10 inch
- 300 Watts
- 96 dB
- 65 ~ 4800 Hz

KEY FEATURES:

① 600 W continuous program power capacity
② High sensitivity 96dB/1w/1m
③ Very smooth response up to 4.8k Hz
④ 2.5" inside/outside high temperature aluminum voice coil
⑤ Weather protected cone for outdoor usage
⑥ Aluminum demodulating ring for very low distortion
⑦ Optimized for the use in line array systems

GENERAL SPECIFICATIONS

Nominal Diameter	250mm /10inch
Rated Impedance	16 ohm
Nominal Power handling[1]	300 Watts
Program Power[2]	600 Watts
Sensitivity(1w/1m)[3]	96 dB
Frequency Range[4]	65 ~ 4800Hz
Minimum Impedance(Zmin)	14.5 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	Pure Aluminum
Former Material	Polyimide
Voice Coil Winding Depth	15 mm
Number of layers	2(inside/outside)
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.3T
Magnet Outer Diameter / Wgt	170mm / 62 oz

THIELE – SMALL PARAMETERS[5]

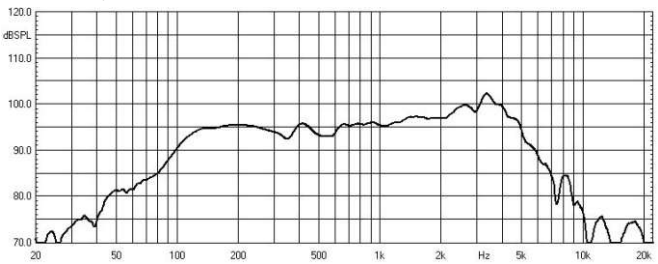
Resonance frequency	Fs	67 Hz
DC resistance	Re	12.6 ohm
Mechanical factor	Qms	5.73
Electrical factor	Qes	0.52
Total factor	Qts	0.48
Mechanical compliance	Cms	0.16 mm/N
Mechanical resistance of suspension losses	Rms	2.6 mech-ohm
Effective Moving Mass	Mms	35 g
Half-space efficiency	Eff	1.6%
BL Factor	BL	19 T.m
Equivalent Cas air load	Vas	28 liters
Effective piston area	Sd	0.0356 m^2
Max. linear excursion[6]	Xmax	6 mm
Voice coil inductance	Le1K	0.84 mH
Efficiency Bandwidth Product	EBP	129

MOUNTING INFORMATION

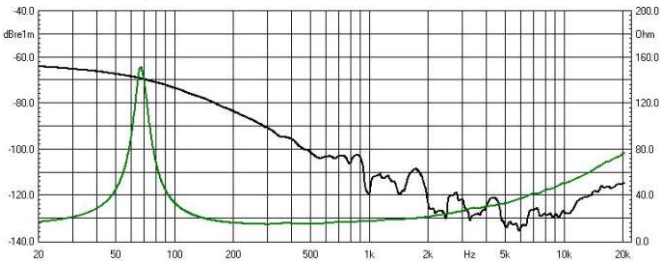
Overall Diameter	261 mm
Bolt Circle Diameter	246 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	228 mm
Overall Depth	115 mm
Net Weight	5.0 kg
Shipping Weight	5.4 kg
Shipping Box	275x275x1 30mm

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



Laser displacement in dBmeter

Impedance in ohm

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 without preconditioning test at 23 Celsius degree environment.
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.