

## KEY FEATURES

- 2000 Watt Max power
- 100 mm (4 in) voice coil, copper wire
- Demodulating ring for lower distortion
- Interleaved sandwich voice coil
- Weather protected membrane for outdoor use
- Ventilated voice coil and magnet circuit for improved heat dissipation
- Neodymium magnet assembly



## GENERAL

|                          |              |          |
|--------------------------|--------------|----------|
| Nominal Diameter         | 15" - 380 mm |          |
| Nominal Impedance        | 8 Ohm        |          |
| Nominal Rdc              | 6 Ohm        | ±0,4 Ohm |
| Power handling (AES) (*) | 1000 Watt    |          |
| Max Power                | 2000 Watt    |          |
| Voice Coil Diameter      | 100 mm       | 4,00 in  |
| S.P.L. (1w, 1m)          | 96 dB        | ±1,5 dB  |
| Nominal Fs               | 28 Hz        |          |
| Flux Density             | 1,25 T       | ±0,08 T  |
| Frequency Range          | 30-500 Hz    |          |
| Sinusoidal Test Voltage  | 18 V         |          |

### (\*) Life Test

|                  |                     |
|------------------|---------------------|
| Box Volume       | 80 liters           |
| Input Signal     | Pink noise          |
| Band Pass Filter | 20-2000Hz, 12dB/oct |
| V on Speaker     | 90 V                |
| Test duration    | 2 hours             |

## MECHANICAL DATA

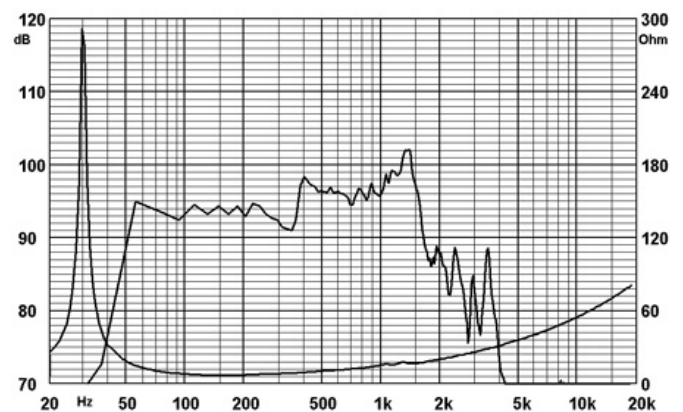
|                         |        |
|-------------------------|--------|
| Weight                  | 8,0 kg |
| Overall Diameter        | 388 mm |
| Overall Depth           | 182 mm |
| Baffle Cut Diameter     | 354 mm |
| Mounting holes number   | 8      |
| Mounting holes diameter | 7 mm   |
| Mounting bolt diameter  | 370 mm |

## MATERIALS

|                     |                     |
|---------------------|---------------------|
| Frame Material      | Aluminium           |
| Voice Coil Former   | Kapton              |
| Voice Coil Wire     | Copper              |
| Cone Material       | Doped Paper         |
| Cone Shape          | Straight            |
| Surround Material   | Doped Nomex® fabric |
| Surround Shape      | Two rolls           |
| Suspension Material | Doped Nomex® fabric |
| Magnet Type         | Neodymium           |
| Magnet Weight       | 620 g               |

## DIAGRAM

|                    |                                     |
|--------------------|-------------------------------------|
| Frequency Response | Reflex Box (140 dmc) - 2,83 V - 1 m |
| Impedance          | (Iac=10m A)                         |



## THIELE-SMALL PARAMETERS

|                      |              |
|----------------------|--------------|
| Qms                  | 11,19        |
| Qes                  | 0,26         |
| Qts                  | 0,25         |
| Fs                   | 27,90 Hz     |
| Re                   | 6,04 Ohm     |
| Mms                  | 143,00 g     |
| Cms                  | 0,23 mm/N    |
| Bl                   | 24,19 T*m    |
| Sd                   | 830,00 cm²   |
| Vas                  | 219,93 liter |
| u0                   | 1,78 %       |
| XMax                 | 11,5 mm      |
| Le                   | 1,07 mH      |
| Rms                  | 2,24 Kg/s    |
| Efficiency Bandwidth | 107,83       |

Air gap height = mm 14  
Winding height = mm 30