

The MB12X351 is designed to provide an excellent frequency response linearity with very low distortion. A very strong ceramic magnetic structure guarantee dynamic and precision, a new and unique 3,5" voice coil design provides a very high power handling, especially recommended in comparison to a standard 3" voice coil. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling.

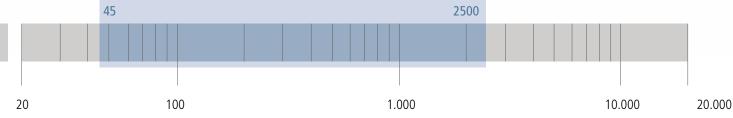
### PART NUMBER 11100100

- 3.5 inch, fibreglass inside-outside copper voice coil
- 1400 Watt continuous program power handling
- 98.5 dB Sensitivity
- 45 Hz 2.5 kHz Frequency range
- 22.5 T/m BL
- 40 mm peak-to-peak excursion
- Dual-forced hyper-venting and 10mm top plate for
  - minimum power compression
- Dual spider design with silicon based dampening control
- M-roll surround and curved cone geometry

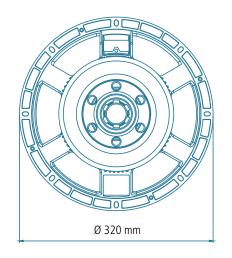
### **APPLICATIONS**

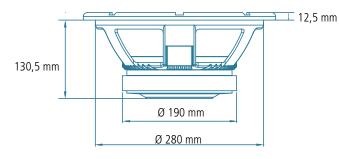
The MB12X351 is ideal for use in applications where is required a very high efficiency and linearity with high power handling. It's especially recommended for high powered two-way or multi-way system.

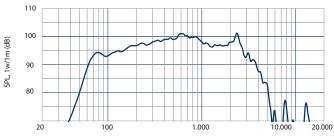






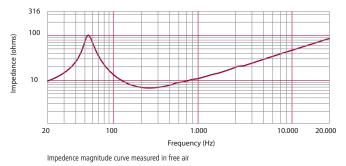






Frequency (Hz)

Frequency response curve of the loudspeaker make in a hemispherical, free field and mounted in a reflex box with an internal volume of 50 litres and tuned at 60Hz, applying a sinusoidal signal of 2.83 V @8 at 1m.



# **GENERAL SPECIFICATIONS**

mm/inch
ohm
Watts
Watts
dB
Hz
mm/inch
mm/inch
ohm
mm/inch
mm/inch
mm/inch

## **THIELE - SMALL PARAMETERS 4**

Fs	55	Hz
Re	5,4	ohm
Qms	5,9	
Qes	0,27	
Qts	0,26	
BL	22,5	Τ·m
Mms	72	gr
Vas	46	liters
Sd	0,053	m <sup>2</sup>
Xmax	7,0	mm
Le	0,9	mH
Eff	3,00	%
	Re Qms Qes Qts BL Mms Vas Sd Xmax Le	Re 5,4   Qms 5,9   Qes 0,27   Qts 0,26   BL 22,5   Mms 72   Vas 46   Sd 0,053   Xmax 7,0   Le 0,9

# **MOUNTING INFORMATION**

Overall Diameter	320 / 12,6	mm/inch
Bolt Circle Diameter	293-304 / 11,5-12	mm/inch
Bolt Hole Diameter	6,5 / 0,25	mm/inch
Front Mount Baffle Cut-out	282 / 11,1	mm/inch
Rear Mount Baffle Cut-out	284 / 11,2	mm/inch
Depth	130.5 / 5.13	mm/inch
Volume occupied by the driver <sup>6</sup>	2,2 / 0,077	liters/ft3

# **SHIPPING INFORMATION**

Net Weight	7,6 / 16,7	Kg/Lbs
Shipping Weight	8,4 / 18,4	Kg/Lbs

#### NOTES TO SPECIFICATIONS

1 Program Power is defined as 3 dB greater than AES power. - 2 AES standard. - 3 Sensitivity measurement is based on a 500-2,5 kHz pink noise signal with input power of 2.83V @ 8 Ohms. - 4 Thiele-Small parameters are measured after a 2 hour warm up period running the loudspeaker at full power handling capacity. - 5 The maximum linear excursion is calculated as: (Hvc - Hg)/2 + Hg/4 where Hvc is the voice coil depth and Hg the gap depth. - 6 Calculated for front mounting on 18 mm thick board. The data are not binding; RCF reserves the right to modify the data at any time and without previous notice.