

# 12.00 SW

INTERNAL REF. 647327

## KEY FEATURES

- 2000 Watt Max Power
- 100 mm (4 in) voice coil, copper wire
- Double spider for improved control and linearity
- Ferrite magnet assembly
- Interleaved sandwich voice coil
- Rubber surround
- 4 Ohm available



## GENERAL

Nominal Diameter	12" - 320 mm	
Nominal Impedance	8 Ohm	
Nominal Rdc	6,5 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)	91 dB	±1,5 dB
Nominal Fs	43 Hz	±5 Hz
Flux Density	1,1 T	±0,08 T
Frequency Range	20-200 Hz	

### (\*) Life Test

Box Volume	60 liters
Input Signal	Pink noise
Band Pass Filter	20-200 Hz, 12dB/oct
V on Speaker	90 V
Test duration	2 hours

## THIELE-SMALL PARAMETERS

Qms	6,99
Qes	0,40
Qts	0,38
Fs	43,61 Hz
Re	6,73 Ohm
Mms	137,3 g
Cms	0,00097 m/N
Bl	25,28 Wb/m
Sd	0,049 m <sup>2</sup>
Vas	0,032 m <sup>3</sup>
u0	0,65 %
XMax	11,5 mm
Le	2,35 mH

Air gap height = mm 10  
Winding height = mm 33

## MECHANICAL DATA

Weight	11,1 kg
Overall Diameter	314 mm
Overall Depth	135 mm
Baffle Cut Diameter	282 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	196 mm

## MATERIALS

Frame Material	Aluminium
Voice Coil Former	Kapton
Voice Coil Wire	Copper
Cone Material	Doped Paper
Cone Shape	Straight
Surround Material	Rubber
Surround Shape	Half roll
Suspension Material	Doped Nomex ® fabric
Magnet Type	Ferrite
Magnet Weight	3500 g

## DIAGRAM

Frequency Response Reflex Box 60 dmc - 2,83 V - 1m  
Impedance (Iac=10m A)

