12.00 SW THE PUNISHER

INTERNAL REF. 647327

CIARE®

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 sorround

4 Ohm available



GENERAL

Nominal Diameter	12" - 320 mm	
Nominal Impendance	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/oc*
V on Speaker	*90 V*
Test duration	*2 hours*

MECHANICAL DATA

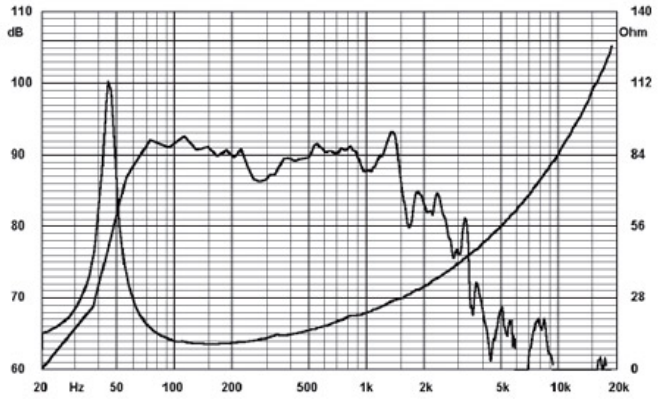
Weight	11,1 kg
Overall Diameter	314 mm
Overall Depth	135 mm
Baffle Cut Diameter	282 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	196 mm

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
Impendance	(lac=10m A)



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 m²
Vas	0,032 m³
u0	0,65 %
XMax	11,5 mm
Le	2,35 mH

Air gap height = mm 10
Winding height = mm 33