

6.5" - Full Range Driver

Studio Range

Applications: Compact Coaxial Studio Monitors

- 100 Watt (AES)
- Full Range Response
- Low Damping Rubber Surround
- Double Suspensions
- Integral Crossover & Dome Tweeter
- Net Weight: 2.3 Kgs



The CX160.1 is a lightweight paper pulp cone, coaxial drive unit with integral crossover and a ferrofluid cooled dome tweeter. The bass-midrange system features a symmetrical field magnet, dual rear suspensions and a critically doped cone & surround for low colouration and linearity. The tweeter has a 28mm voice coil and Neodymium magnet for efficiency and power handling. The entire tweeter assembly is field replaceable. Thiele-Small parameters are optimised for use in compact enclosures. High power handling, excellent dispersion and low distortion make the CX160.1 suitable for studio and fixed installation applications where quality and dynamic range are essential. The diecast aluminium chassis is vented below the suspensions to increase cooling airflow to the voice coil and magnet.

Specifications

Nominal Diameter	165 mm
Power Rating	100 Watt (AES)
Frequency Range	50 - 20,000Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	38 mm
Voice Coil Height	17.5 mm
Voice Coil Layers	2
Magnet Gap Height	5.5 mm
Linear Excursion (XMax)	±6 mm
Maximum Excursion	24 mm
Volume Displacement	0.7 Litres
Connection	4.8mm Solder Terminals
Chassis	High Pressure Diecast Aluminium

Thiele-Small Parameters

Fs	40 Hz
Re	5.6 Ω
Sd	154 cm ²
Qms	9.53
Qes	0.36
Qts	0.35
Cms	0.67 mm/N
Mms	23 g
Rms	0.61 kg/s
Bl	9.5 N/A
Sensitivity (1w / 1m)	89 dB
VAS	22.6 L
Le	0.67 mH

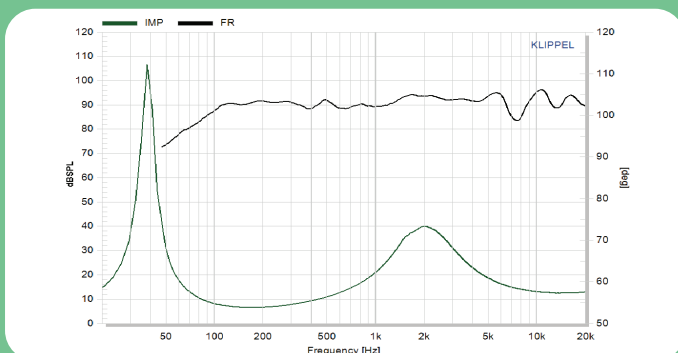
Mounting Information

Overall Diameter	189 mm
Fixing Bolt Diameter	178.5 mm
Fixing Holes	4 x M5
Front Mount Cut-out Diameter	160 mm
Suggested Rebate Depth	6 mm
Depth Below Front Flange	119 mm
Total Depth	125 mm
Weight	2.3 Kgs

Suggested Enclosures

Volume in Litres	10	15	20
Vent diameter in Cm	Sealed	3.2	3.2
Vent length in Cm	-Box	5.6	5.2
System Q	0.7	7	7
-3dB Freq in Hz	70	45	40

Response Curve



Dimensions

