

ROSSO-44CDN-PK

AUDIENCE

1" - 60W - 112dB - 8Ohm - VC 44.3mm

- PEEK diaphragm
- Neodymium motor assembly
- Optimized cast aluminum rear chamber with damping
- High sensitivity
- Wide useful bandwidth
- Smooth frequency and impedance response
- Advanced voice coil with flat copper clad aluminum wire



Dimensions & Weight

Throat Diameter	25.4 mm (1 in)
Overall Diameter	100 mm (3.93 in)
90° Mounting Holes Diameter (4xM6)	76 mm (2.99 in)
Depth	49.9 mm (1.96 in)
Net Weight	1.34 kg (2.95 lb)
Shipping Box	126 x 104 x 66 mm (4.96 x 4.09 x 2.59 in)
Gross Weight	1.39 Kg (3.06 lb)

Replacement Diaphragm

N/A

NOTES :

Driver mounted on Horn H250

- (1) 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) Averaged within the frequency range
- (4) $X_{max} = [(Winding\ depth - magnetic\ gap\ depth)/2] + (Magnetic\ gap\ depth/3)$

Specs :

Nominal Impedance	8 Ohm
RDC	6.2 Ohm
AES Power Handling (1)	60 W
Maximum Power Handling (2)	120 W
Sensitivity (1W/1m)(3)	112 dB
Frequency Range	700 - 20000 Hz
Recommended Crossover Frequency	1.8 kHz
Voice Coil Diameter	44.3 mm (1.74 in)
Winding Material	Flat copper clad aluminium
Former Material	Kapton
Winding Depth	0.67 mm (0.026 in)
Magnetic Gap Depth	2 mm (0.079 in)
Diaphragm Material	Polyether ether ketone (PEEK)
Flux Density	1.85 T
Magnet	Neodymium
Demodulation	-
Phase Plug Design	Annular
Exit Angle	13.69° conical
NET Air Volume filled by HF Driver	0.30 liters

