

8RS250

8" - 200 W - 93 dB



NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	223.75/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	108 mm (4.25 in)
Flange and gasket Thickness	15.3 mm (0.60 in)
Net Weight	4.4 kg (9.7 lb)
Shipping Box	235 x 235 x 155 mm
(Single Carton Box)	(9.3 x 9.3 x 6.1 in)
Shipping Weight	4.7 kg (10.4 lb)

- NOTES:
- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
 - (2) Maximum power is defined as 3dB greater than nominal power
 - (3) NBR (Rubber)
 - (4) $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
 - (5) Maximum excursion before permanent damage

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7 Ω
AES Power Handling (1)	200 W
Maximum Power Handling (2)	400 W
Sensitivity (1W/1m)	93 dB
Frequency Range	60-6300 Hz
Voice Coil Diameter	52 mm (2 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	16.5 mm (0.65 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.3 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	1.17 dm³ (0.041 ft³)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	56 Hz
Re	5.7 Ω
Qes	0.34
Qms	5.7
Qts	0.32
Vas	18.3 dm³ (0.65 ft³)
Sd	223 cm² (34.57 in²)
Xmax (4)	6.92 mm
Xdamage (5)	15.7 mm
Mms	30.6 g
Bl	13.5 N/A
Le	0.35 mH
Mmd	26.8 g
Cms	0.26 mm/N
Rms	1.9 kg/s
η _o (Eta Zero)	0.93 %
EBP	165 Hz

