



# 10FE200

10" - 150 W - 96 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	256.8 mm (10.11 in)
Bolt Circle Diameter	243.8 mm (9.60 in)
Baffle Cutout Diameter	233.3 mm (9.19 in)
Depth	102 mm (4.02 in)
Flange and gasket Thickness	8 mm (0.31 in)
<b>Net Weight</b>	<b>2.2 kg (4.9 lb)</b>
Shipping Box	282 x 280 x 140 mm
(Single Carton Box)	(11.1 x 11.0 x 5.5 in)
Shipping Weight	2.6 kg (5.7 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	4 Ω
Minimum Impedance	3.6 Ω
AES Power Handling (1)	150 W
<b>Maximum Power Handling (4)</b>	<b>300 W</b>
<b>Sensitivity (1W/1m)</b>	<b>96 dB</b>
Frequency Range	50 ÷ 4500 Hz
<b>Voice Coil Diameter</b>	<b>37 mm (1.46 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	11.9 mm (0.47 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>
Flux Density	1 T
<b>Magnet</b>	<b>Ferrite Ring</b>
Basket Material	Steel
Demodulation	No
Cone Surround (5)	Accordion (4 waves)
NET Air Volume filled by Loudspeaker	0.6 dm <sup>3</sup> (0.021 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	55 Hz
Re	3 Ω
Qes	0.52
Qms	9.2
Qts	0.54
Vas	53 dm <sup>3</sup> (1.87 ft <sup>3</sup> )
Sd	332 cm <sup>2</sup> (51.46 in <sup>2</sup> )
Xmax (2)	4.62 mm
Xdamage (3)	10.4 mm
Mms	24.8 g
Bl	7 N/A
Le	0.3 mH
Mmd	21.4 g
Cms	0.34 mm/N
Rms	0.95 kg/s
η <sub>o</sub> (Eta Zero)	1.62 %
EBP	106 Hz

### NOTE:

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

