



5FE100

5" - 80 W - 88 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	144.8/124.5 mm (5.7/4.9 in)
Bolt Circle Diameter	133 mm (5.24 in)
Baffle Cutout Diameter	114 mm (4.49 in)
Depth	65 mm (2.56 in)
Flange and gasket Thickness	6.5 mm (0.25 in)
Net Weight	1.12 kg (2.47 lb)
Shipping Box	302 x 275 x 186 mm
(Single Carton Box - 8 units)	(11.88 x 10.82 x 7.3 in)
Shipping Weight (8 units)	10.1 kg (22.2 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
AES Power Handling (1)	80 W
Maximum Power Handling (4)	160 W
Sensitivity (1W/1m)	88 dB
Frequency Range	63÷6300 Hz
Voice Coil Diameter	32 mm (1.26 in)
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	No
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0.3 dm ³ (0.011 ft ³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	5.4 Ω
Qes	0.48
Qms	8.18
Qts	0.46
Vas	5.16 dm ³ (0.18 ft ³)
Sd	79.8 cm ² (12.37 in ²)
Xmax (2)	5.25 mm
Xdamage (3)	9.5 mm
Mms	10.5 g
Bl	6.9 N/A
Le	0.53 mH
Mmd	10.1 g
Cms	0.57 mm/N
Rms	0.52 kg/s
η _e (Eta Zero)	0.28 %
EBP	135 Hz

NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
 - (2) Xmax = [(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) NBR
- Packaged and sold in multiples of 8 units

