



10HP1020

10" - 700 W - 96 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	141.3 mm (5.56 in)
Flange and gasket Thickness	12.5 mm (0.49 in)
Net Weight	5.2 kg (11.44 lb)
Shipping Box	294 x 290 x 203 mm
(Single Carton Box)	(11.57 x 11.41 x 7.99 in)
Shipping Weight	5.8 kg (12.79 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7.3 Ω
AES Power Handling (1)	700 W
Maximum Power Handling (4)	1400 W
Sensitivity (1W/1m)	96 dB
Frequency Range	60 ÷ 2500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	12 mm (0.47 in)
Flux Density	1.3 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	2.2 dm ³ (0.078 ft ³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	60 Hz
Re	5.5 Ω
Qes	0.25
Qms	6.5
Qts	0.24
Vas	13.66 dm ³ (0.48 ft ³)
Sd	315 cm ² (48.8 in ²)
Xmax (2)	9 mm
Xdamage (3)	12.5 mm
Mms	72.5 g
Bl	24.5 N/A
Le	0.85 mH
Mmd	69 g
Cms	0.096 mm/N
Rms	4.2 kg/s
η _o (Eta Zero)	1.14 %
EBP	240 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
- PATENT IT2006/000327

