

# 10HP1020



10" - 700 W - 96dB - 8 Ohm

## 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)
<b>Net Weight</b>	<b>5.2 kg (11.5 lb)</b>
Shipping Box (Single Carton Box)	294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in)
Shipping Weight	5.8 kg (12.8 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version 02503939

## NOTES:

**PATENTED IT 2006/000327**

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

## TECHNICAL PARAMETERS

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

## THIELE & SMALL PARAMETERS

Fs	60 Hz
Re	5.5 Ohm
Qes	0.25
Qms	6.5
Qts	0.24
Vas	16.1 dm <sup>3</sup> (0.57 ft <sup>3</sup> )
Sd	345 cm <sup>2</sup> (53.48 in <sup>2</sup> )
Xmax (4)	9.00 mm
Xdamage (5)	18.2 mm
Mms	72.5 g
Bl	24.5 N/A
Le	0.85 mH
Mmd	65.3 g
Cms	0.10 mm/N
Rms	4.2 kg/s
Eta Zero	1.35 %
EBP	240 Hz

