

# 18HW1070



18" - 1600 W - 97 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	223 mm (8.78 in)
Flange and Gasket Thickness	14 mm (0.55 in)
<b>Net Weight</b>	<b>14.7 Kg (32.4 lb)</b>
Shipping Box (Single Carton Box)	490 x 485 x 275 mm (19.3 x 19.1 x 10.8 in)
Shipping Weight	16.2 Kg (35.7 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version	04604151
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## NOTES:

- (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	6.5 Ohm
AES Power Handling (1)	1600 W
<b>Maximum Power Handling (2)</b>	<b>3200 W</b>
<b>Sensitivity (1W/1m)</b>	<b>97 dB</b>
Frequency Range	30-1500 Hz
<b>Voice Coil Diameter</b>	<b>100 mm (4 in)</b>
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
<b>Magnetic Gap Depth</b>	<b>15 mm (0.59 in)</b>
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Triple Al Dem. Ring
<b>Cone Surround (3)</b>	<b>Triple Roll</b>
NET Air Volume filled by Loudspeaker	7.4 dm <sup>3</sup> (0.261 ft <sup>3</sup> )
Spider Profile	2x non-adjacent symmetrical constant height waves

## THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	5.4 Ohm
Qes	0.39
Qms	10.0
Qts	0.37
Vas	171.2 dm <sup>3</sup> (6.05 ft <sup>3</sup> )
Sd	1124 cm <sup>2</sup> (174.22 in <sup>2</sup> )
Xmax (4)	13.00 mm
Xdamage (5)	30 mm
Mms	259.0 g
Bl	27 N/A
Le	1.68 mH
Mmd	237.7 g
Cms	0.10 mm/N
Rms	5.2 Kg/s
Eta Zero	1.41 %
EBP	82 Hz

