

18XL1600

18" - 1600 W - 98 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	231 mm (9.09 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	12.2 Kg (26.9 lb)
Shipping Box (Single Carton Box)	490 x 485 x 275 mm (19.3 x 19.1 x 10.8 in)
Shipping Weight	13.7 Kg (30.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	04604028
--------------------------------	----------

NOTES:

PATENT PENDING

(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	7.4 Ohm
AES Power Handling (1)	1600 W
Maximum Power Handling (2)	3200 W
Sensitivity (1W/1m)	98 dB
Frequency Range	30÷1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
Magnetic Gap Depth	15.5 mm (0.61 in)
Flux Density	1.05 T
Magnet	Neodymium Slug Crown
Basket Material	Aluminum
Demodulation	Triple AI Dem. Ring
Cone Surround (3)	Triple Roll
NET Air Volume filled by Loudspeaker	7.3 dm ³ (0.258 ft ³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	5.4 Ohm
Qes	0.37
Qms	9.3
Qts	0.36
Vas	184.7 dm ³ (6.52 ft ³)
Sd	1124 cm ² (174.2 in ²)
Xmax (4)	12.92 mm
Xdamage (5)	28 mm
Mms	240.0 g
Bl	26.7 N/A
Le	1.45 mH
Mmd	217.0 g
Cms	0.10 mm/N
Rms	5.2 Kg/s
Eta Zero	1.61 %
EBP	86 Hz

