PROFESSIONAL LOUDSPEAKERS

18HW1070

18" - 1600 W - 96 dB - 4 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)
Net Weight	**14.7 kg (32.4 lb)**
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 - 4 Ohm Version	04604243
Recone Kit - 4 Ohm Version	R4604243

TECHNICAL PARAMETERS

Nominal Impedance	4 Ohm
Minimum Impedance	4.3 Ohm
AES Power Handling **(1)**	1600 W
Maximum Power Handling (2)	**3200 W**
Sensitivity (1W/1m)	**96 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 mm (0.59 in)**
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Triple Al Dem. Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	7.4 dm^3 (0.261 ft^3)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	3 Ohm
Qes	0.34
Qms	10.6
Qts	0.33
Vas	191.5 dm^3 (6.76 ft^3)
Sd	1212 cm^2 (187.86 in^2)
Xmax **(4)**	13.00 mm
Xdamage **(5)**	30 mm
Mms	265.0 g
Bl	21.6 N/A
Le	1.26 mH
Mmd	217.3 g
Cms	0.09 mm/N
Rms	5.0 kg/s
Eta Zero	1.78 %
EBP	94 Hz

NOTES:

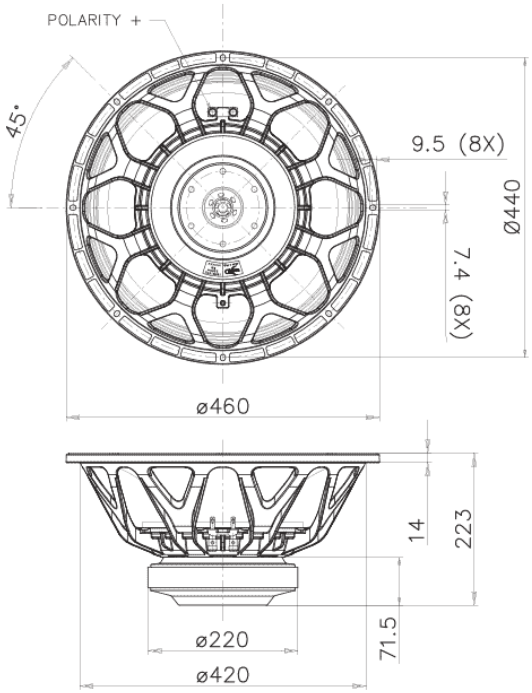
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

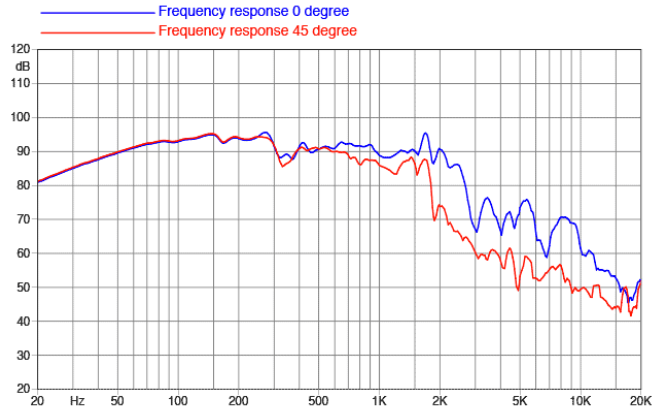
(2) Maximum power is defined as 3dB greater than nominal power.

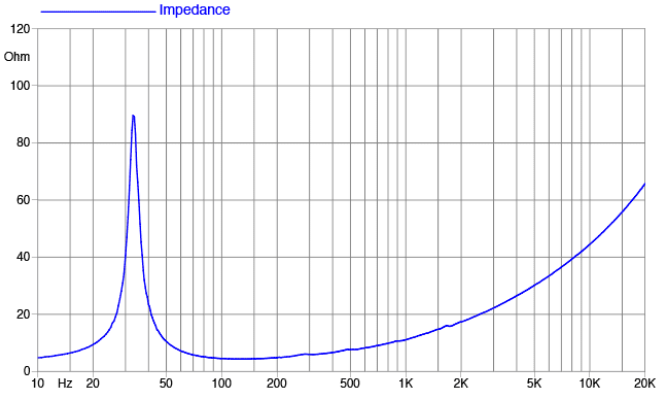
(3) Treated Polycotton

(4) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

(5) Maximum excursion before permanent damage







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