



15HP1030

15" - 1000 W - 96 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	188 mm (7.40 in)
Flange and gasket Thickness	14 mm (0.55 in)
Net Weight	11.7 kg (25.85 lb)
Shipping Box	430 x 427 x 236 mm
(Single Carton Box)	(16.93 x 16.81 x 9.29 in)
Shipping Weight	12.8 kg (28.22 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.7 Ω
AES Power Handling (1)	1000 W
Maximum Power Handling (4)	2000 W
Sensitivity (1W/1m)	96 dB
Frequency Range	40÷2000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
Magnetic Gap Depth	12 mm (0.47 in)
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	5.1 dm ³ (0.180 ft ³)
Spider Profile	2x non-adjacent symmetrical variable height waves

THIELE & SMALL PARAMETERS

Fs	40 Hz
Re	5 Ω
Qes	0.35
Qms	11.83
Qts	0.34
Vas	82.8 dm ³ (2.92 ft ³)
Sd	780 cm ² (120.9 in ²)
Xmax (2)	12.45 mm
Xdamage (3)	23.05 mm
Mms	165 g
Bl	24.3 N/A
Le	1.4 mH
Mmd	152.6 g
Cms	0.1 mm/N
Rms	3.5 kg/s
η _o (Eta Zero)	1.46 %
EBP	114 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

