



15HP1010

15" - 700 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	183 mm (7.20 in)
Flange and gasket Thickness	13.3 mm (0.52 in)
Net Weight	9.8 kg (21.5 lb)
Shipping Box	430 x 427 x 236 mm
(Single Carton Box)	(16.9 x 16.8 x 9.3 in)
Shipping Weight	10.8 kg (23.8 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.9 Ω
AES Power Handling (1)	700 W
Maximum Power Handling (4)	1400 W
Sensitivity (1W/1m)	96 dB
Frequency Range	40 ÷ 2500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	23 mm (0.91 in)
Magnetic Gap Depth	10.5 mm (0.41 in)
Flux Density	1.05 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	4.7 dm ³ (0.166 ft ³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	40 Hz
Re	5.3 Ω
Qes	0.38
Qms	10.0
Qts	0.37
Vas	93.1 dm ³ (3.29 ft ³)
Sd	759 cm ² (117.65 in ²)
Xmax (2)	9.75 mm
Xdamage (3)	21.9 mm
Mms	138.9 g
Bl	22 N/A
Le	1.8 mH
Mmd	127.0 g
Cms	0.11 mm/N
Rms	3.49 kg/s
η _o (Eta Zero)	1.50 %
EBP	105 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 Poly cotton

