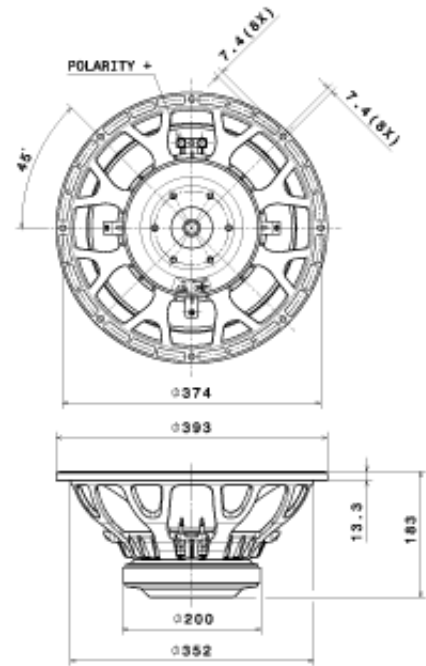




# 15HP1010 High Performance Series



## 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	9.75 Kg (21.51 lb)
Shipping Box (Single Carton Box)	430x427x236 mm (16.93x16.81x9.29 in)
Shipping Weight	10.4 Kg (22.93 lb)

## ELECTRICAL SPECIFICATION

Nominal Impedance	8 Ohm
Minimum Impedance	6.9 Ohm
AES Power Handling *	700 W
Maximum Power Handling **	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
Demodulation	No
Suspension ***	Triple Roll

## THIELE & SMALL PARAMETERS

Fs	40 Hz
Re	5.3 Ohm
Qes	0.38
Qms	10
Qts	0.37
Vas	93.65 dm <sup>3</sup> (3.31 ft <sup>3</sup> )
Sd	759 cm <sup>2</sup> (117.6 in <sup>2</sup> )
Xmax ****	9.75 mm
Xdamage *****	21.9 mm
Mms	138.9 g
Bl	22 N/A
Le	1.8 mH
Mmd	127 g
Cms	0.11 mm/N
Rms	3.49 Kg/s
Eta Zero	1.51 %
EBP	105 Hz

## NOTES

**Spider Profile:** 2x non-adjacent symmetrical constant height waves

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

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

(\*\*\*) Treated Polycotton

(\*\*\*\*)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth) / 2] + (magnetic\ gap\ depth / 3)$

(\*\*\*\*\*) Maximum excursion before permanent damage

## CURVES

