

15P80/Nd

LOW FREQUENCY TRANSDUCER

KEY FEATURES

- Real 800 w AES power handling
- Sensitivity: 100 dB @ 2.83v
- 4" duo technology voice coil
- Forced air convection circuit for low power compression
- Extende controlled displacemente: Xmax ± 7.5mm
- Massive mechanical displacement capability: 52 mm p-p

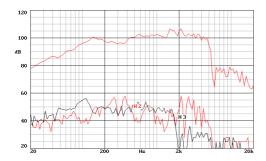
TECHNICAL SPECIFICATIONS

Nominal diameter 380 mm. 15 in. Rated impedance 8 ohms 6.2 ohms Minimum impedance Power capacity* 800 w AES Program power 1600 w Sensitivity 100 dB 2.83v @ 1m @ 2π Frequency range 30 - 5000 Hz 40 / 150 I Recom. enclosure vol. 1.4 / 5.3 ft.3 Voice coil diameter 100 mm. 4 in. Magnetic assembly weight 4.62 kg. 10.16 lb. **BL** factor 23 N / A Moving mass 0.099 kg. Voice coil length 20 mm Air gap height 12 mm X damage (peak to peak) 52 mm

THIELE-SMALL PARAMETERS**

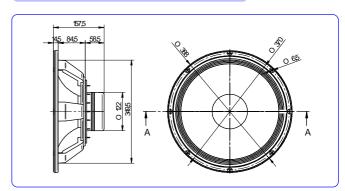
35 Hz
5.2 ohms.
8.00
0.22
0.21
217 I
201 μm / N
2.3 kg/s
4.5
0.0880 m ²
7.5 mm
660 cm ³
1.3 mH

FREQUENCY RESPONSE AND DISTORTION



Note: on axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, $1w \otimes 1m$.

DIMENSION DRAWINGS

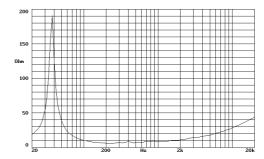


MOUNTING INFORMATION

Overall diameter	388 mm.	15.28 in.
Bolt circle diameter	370 mm.	14.57 in.
Baffle cutout diameter:		
- Front mount	349.5 mm.	13.76 in.
- Rear mount	355 mm.	13.98 in.
Depth	157.5 mm.	6.2 in.
Volume displaced by driver	5.5 I	0.19 ft. ³
Net weight	3.6 kg.	. 7.92 lb.
Shipping weight	4.6 kg.	10.12 lb.

Notes

FREE AIR IMPEDANCE CURVE



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^{*}The power capacity is determined according to AES2-1984 (r2003) standard.

Program power is defined as the transducer's ability to handle normal music progr.

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^{**}T-S parameters are measured after an exercise period using a preconditioning power test.