



Peerless Data Sheet

Type: HDS 205 WR 33 102 PPM AL 4L LS 8 OHM - 830868



Electrical data

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	6.1/211 (ohm/Hz)
Maximum impedance	Zo	57.2 (ohm)
Dc resistance	Re	5.5 (ohm)
Voice coil inductance	Le	1.5 (mH)

TS Parameters

Resonance Frequency	fs	32.5 (Hz)
Mechanical Q factor	Qms	4.09
Electrical Q factor	Qes	0.44
Total Q factor	Qts	0.40

Force factor	Bl	8.1 (Tm)
Mechanical resistance	Rms	1.28 (Kg/s)
Moving mass	Mms	25.6 (g)
Suspens. compliance	Cms	0.94 (mm/N)
Effective cone diam.	D	16.8 (cm)
Effective piston area	Sd	221 (cm ²)
Equivalent volume	Vas	63.4 (ltrs)
SPL 2.83V/1m at fmin		90.1 (dB)

Power handling

100h RMS noise test (IEC)	- (W)
Longterm Max System Power (IEC)	- (W)
IEC268-5 noise signal is used for the powertest.	

Voice coil and magnet parameters

Voice coil diameter	33.0 (mm)
Voice coil length	17.0 (mm)
Voice coil layers	4
Height of the gap	6.0 (mm)
Linear excursion +/-	5.5 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	- (mWb)
Diameter of magnet	102 (mm)
Height of magnet	20 (mm)
Weight of magnet	0.68 (kg)

Factors

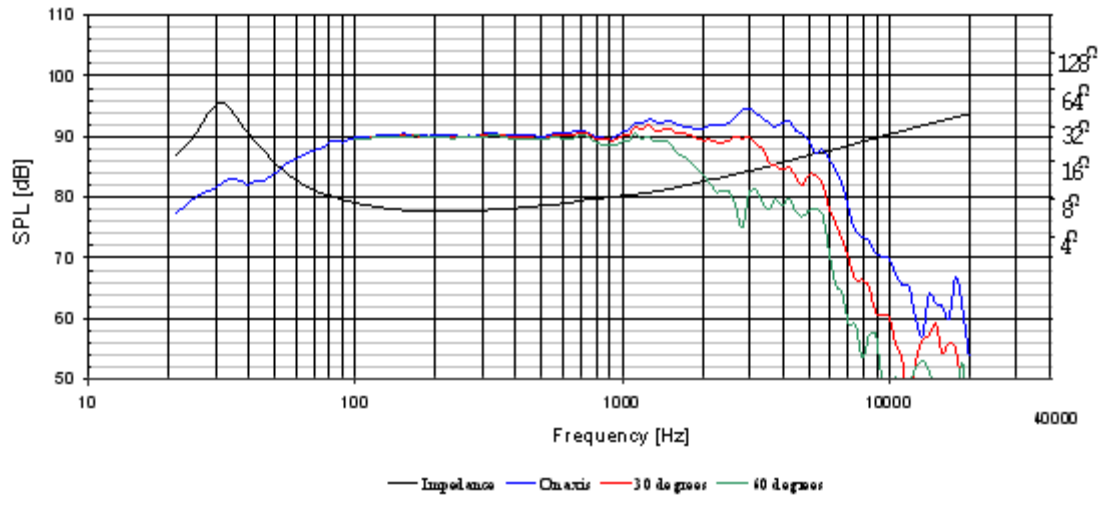
Ratio fs/Qts	82
Ratio BL/sqrt(Re)	3.5

Special remarks

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Remarks on powertest

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Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)