



Peerless Data Sheet

Type: HDS 106 WR 26 81 PPB AL 8 OHM - 830870



Electrical data

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	5.6/422 (ohm/Hz)
Maximum impedance	Zo	30.8 (ohm)
Dc resistance	Re	5.2 (ohm)
Voice coil inductance	Le	0.6 (mH)

TS Parameters

Resonance Frequency	fs	77.6 (Hz)
Mechanical Q factor	Qms	3.19
Electrical Q factor	Qes	0.65
Total Q factor	Qts	0.54

Force factor	Bl	4.8 (Tm)
Mechanical resistance	Rms	0.90 (Kg/s)
Moving mass	Mms	5.9 (g)
Suspens. compliance	Cms	0.72 (mm/N)
Effective cone diam.	D	8.4 (cm)
Effective piston area	Sd	55 (cm ²)
Equivalent volume	Vas	3.0 (ltrs)
SPL 2.83V/1m at fmin		87.0 (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	26.0 (mm)
Voice coil length	12.0 (mm)
Voice coil layers	2
Height of the gap	6.0 (mm)
Linear excursion +/-	3.0 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	0.7 (mWb)
Diameter of magnet	81 (mm)
Height of magnet	15 (mm)
Weight of magnet	0.31 (kg)

Factors

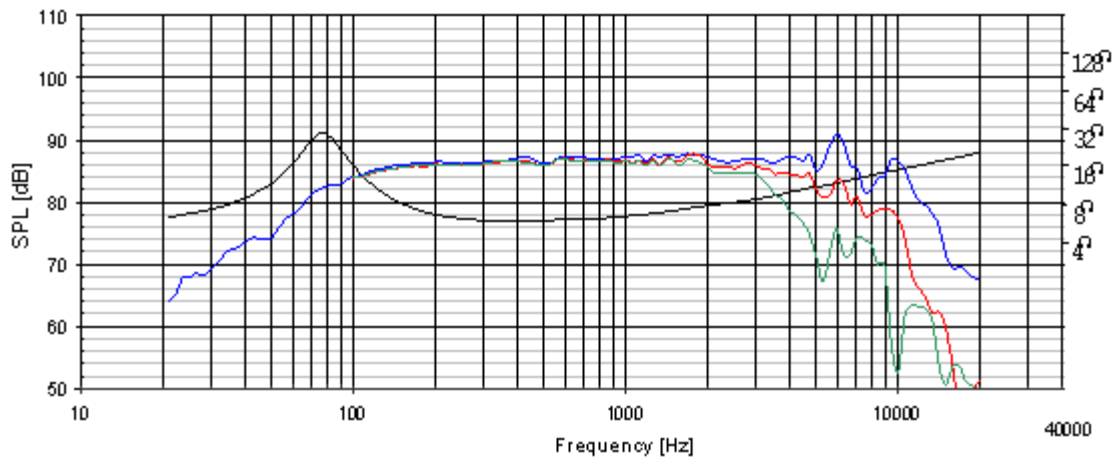
Ratio fs/Qts	144
Ratio BL/sqrt(Re)	2.1

Special remarks

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Remarks on powertest

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— Impedance — On axis — 30 degrees — 60 degrees

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