

Type: HDS EXCLUSIVE 180 WR 33 102 NWP AL CU PH LS 8 OHM - 830883

Electrical data

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	6.7/274 (ohm/Hz)
Maximum impedance	Zo	38.1 (ohm)
Dc resistance	Re	5.8 (ohm)
Voice coil inductance	Le	1.3 (mH)

TS Parameters

Resonance Frequency	fs	52.3 (Hz)
Mechanical Q factor	Qms	2.79
Electrical Q factor	Qes	0.50
Total Q factor	Qts	0.43

Force factor

Force factor	Bl	8.2 (Tm)
Mechanical resistance	Rms	2.09 (Kg/s)
Moving mass	Mms	17.7 (g)
Suspens. compliance	Cms	0.52 (mm/N)
Effective cone diam.	D	13.1 (cm)
Effective piston area	Sd	134 (cm <sup>2</sup> )
Equivalent volume	Vas	13.0 (ltrs)
SPL 2.83V/1m at fmin		87.5 (dB)

Voice coil and magnet parameters

Voice coil diameter	33.0 (mm)
Voice coil length	17.0 (mm)
Voice coil layers	2
Height of the gap	6.0 (mm)
Linear excursion +/-	5.5 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	1.1 (mWb)
Diameter of magnet	102 (mm)
Height of magnet	20 (mm)
Weight of magnet	0.68 (kg)

Factors

Ratio fs/Qts	122
Ratio Bl/sqrt(Re)	3.4

Special remarks

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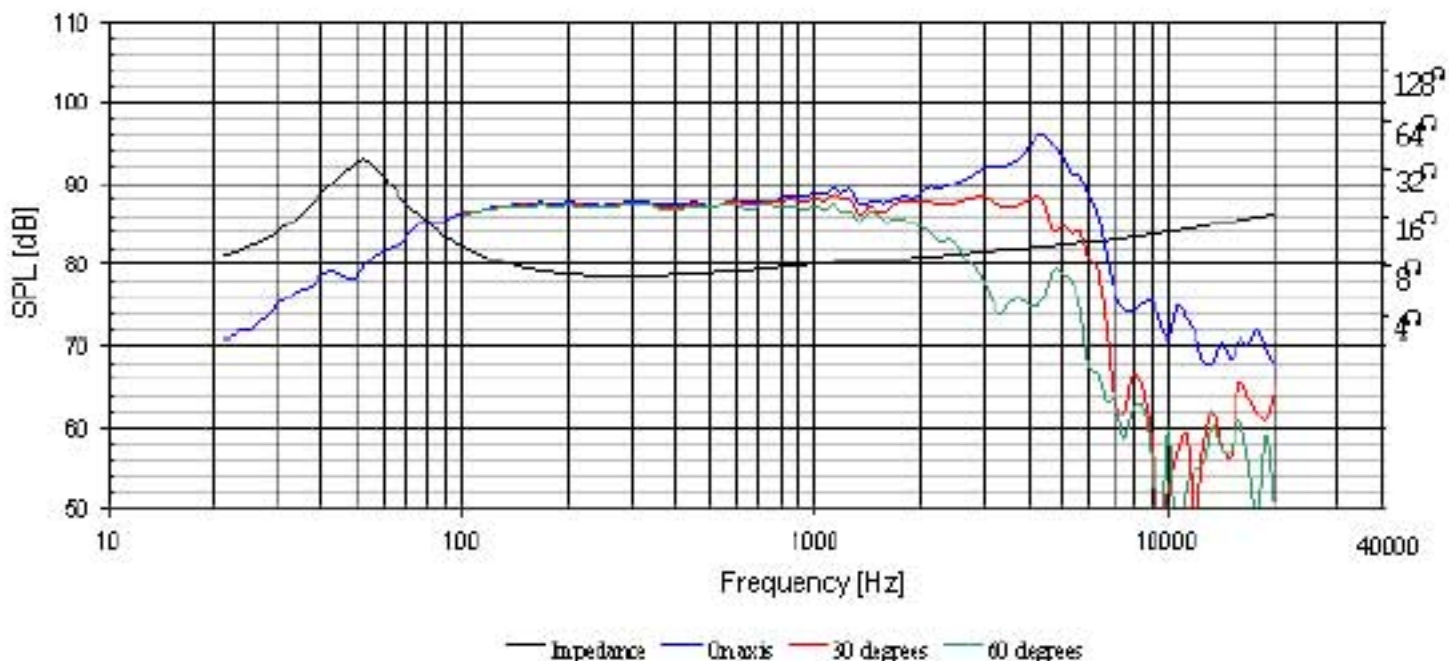
Power handling

100h RMS noise test (IEC)	- (W)
Longterm Max System Power (IEC)	- (W)

IEC268-5 noise signal is used for the powertest.

Remarks on powertest

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