



Peerless Data Sheet

Type: XXLS 308 SWR 51 147 NWP ALP DCV 8+8 ohm - 830847



Electrical data

Nominal impedance	Zn	4 (ohm)
Minimum imp./at freq.	Zmin	3.0/115 (ohm/Hz)
Maximum impedance	Zo	72.0 (ohm)
Dc resistance	Re	2.5 (ohm)
Voice coil inductance	Le	1.8 (mH)

TS Parameters

Resonance Frequency	fs	21.8 (Hz)
Mechanical Q factor	Qms	10.24
Electrical Q factor	Qes	0.37
Total Q factor	Qts	0.36
Force factor	Bl	10.2 (Tm)
Mechanical resistance	Rms	1.48 (Kg/s)
Moving mass	Mms	110.9 (g)
Suspens. compliance	Cms	0.48 (mm/N)
Effective cone diam.	D	24.4 (cm)
Effective piston area	Sd	466 (cm²)
Equivalent volume	Vas	144.2 (ltrs)
SPL 2.83V/1m at fmin		92.0 (dB)

Power handling

100h RMS noise test (IEC)	175 (W)
Longterm Max System Power (IEC)	350 (W)
IEC268-5 noise signal is used for the powertest.	

Voice coil and magnet parameters

Voice coil diameter	51.0 (mm)
Voice coil length	33.0 (mm)
Voice coil layers	2
Height of the gap	8.0 (mm)
Linear excursion +/-	12.5 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	2.3 (mWb)
Diameter of magnet	147 (mm)
Height of magnet	35 (mm)
Weight of magnet	2.4 (kg)

Factors

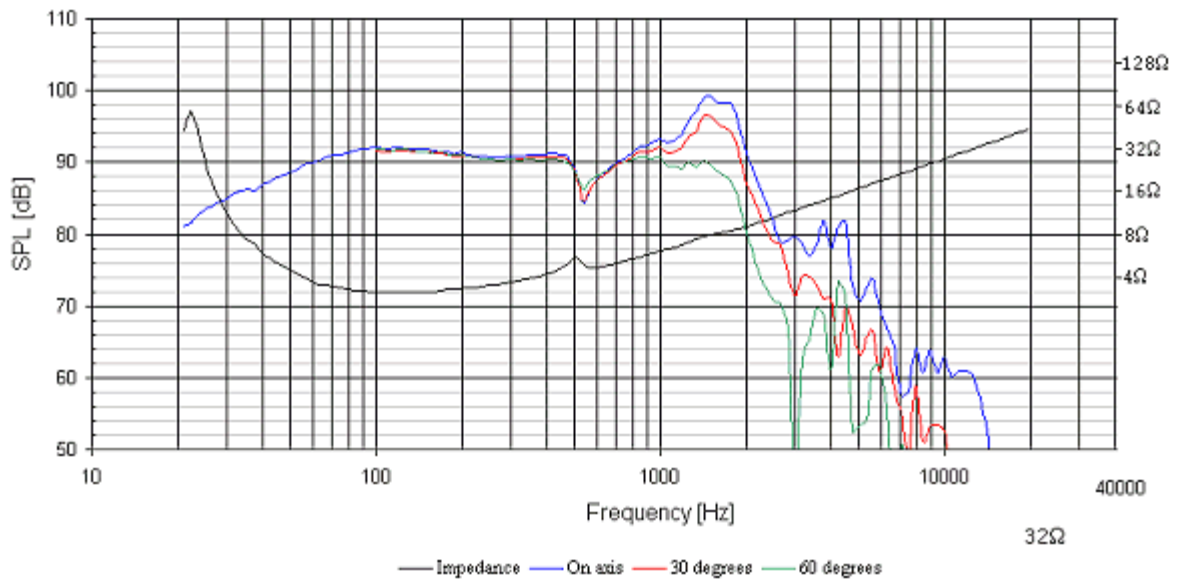
Ratio fs/Qts	60
Ratio BL/sqrt(Re)	6.4

Special remarks

Measured with coils in parallel

Remarks on powertest

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