

[print](#) [close](#) [drawing](#) [application](#)

Peerless Data Sheet

Type: XXLS CAR 308 SWR 51 147 NWP ALP 4L 4 ohm - 830877



Electrical data

Nominal impedance	Zn	4 (ohm)
Minimum imp./at freq.	Zmin	2.2/119 (ohm/Hz)
Maximum impedance	Zo	25.7 (ohm)
Dc resistance	Re	1.7 (ohm)
Voice coil inductance	Le	1.3 (mH)

TS Parameters

Resonance Frequency	fs	35.0 (Hz)
Mechanical Q factor	Qms	7.31
Electrical Q factor	Qes	0.52
Total Q factor	Qts	0.49

Force factor	Bl	10.6 (Tm)
Mechanical resistance	Rms	4.69 (Kg/s)
Moving mass	Mms	156.1 (g)
Suspens. compliance	Cms	0.13 (mm/N)
Effective cone diam.	D	24.4 (cm)
Effective piston area	Sd	466 (cm ²)
Equivalent volume	Vas	39.9 (ltrs)
SPL 2.83V/1m at fmin		94.3 (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	51.0 (mm)
Voice coil length	33.0 (mm)
Voice coil layers	4
Height of the gap	8.0 (mm)
Linear excursion +/-	12.5 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	2.4 (mWb)
Diameter of magnet	147 (mm)
Height of magnet	35 (mm)
Weight of magnet	2.4 (kg)

Factors

Ratio fs/Qts	71
Ratio BL/sqrt(Re)	8.1

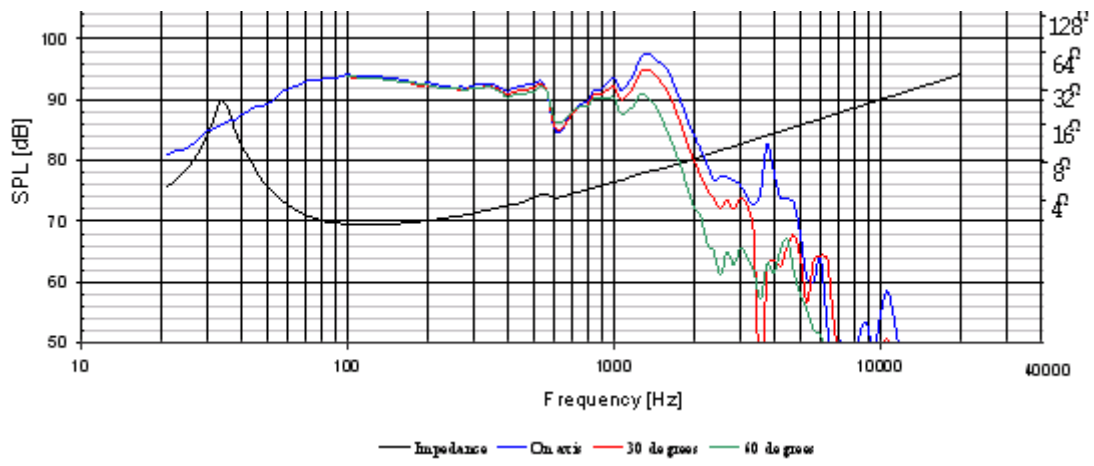
Special remarks

-

Remarks on powertest

-





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