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Peerless Data Sheet

Type: XXLS CAR 269 SWR 51 147 NWP ALP 4L 4 ohm - 830876



Electrical data

Nominal impedance	Zn	4 (ohm)
Minimum imp./at freq.	Zmin	2.2/122 (ohm/Hz)
Maximum impedance	Zo	26.5 (ohm)
Dc resistance	Re	1.7 (ohm)
Voice coil inductance	Le	1.5 (mH)

TS Parameters

Resonance Frequency	fs	39.0 (Hz)
Mechanical Q factor	Qms	6.79
Electrical Q factor	Qes	0.47
Total Q factor	Qts	0.44

Force factor	Bl	10.4 (Tm)
Mechanical resistance	Rms	4.37 (Kg/s)
Moving mass	Mms	121.1 (g)
Suspens. compliance	Cms	0.14 (mm/N)
Effective cone diam.	D	21.2 (cm)
Effective piston area	Sd	352 (cm ²)
Equivalent volume	Vas	23.6 (ltrs)
SPL 2.83V/1m at fmin		92.2 (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

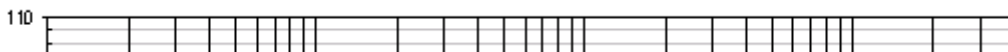
Ratio fs/Qts	88
Ratio BL/sqrt(Re)	7.9

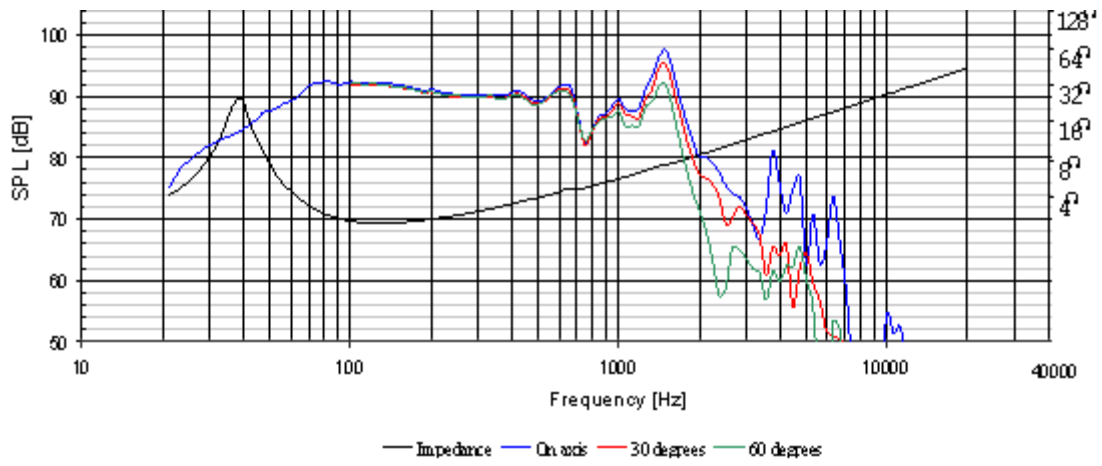
Special remarks

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Remarks on powertest

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