



# Peerless Data Sheet

Type: XXLS 269 SWR 51 147 NWP ALP DVC 8+8 ohm - 830846



### Electrical data

Nominal impedance	Zn	4 (ohm)
Minimum imp./at freq.	Zmin	3.1/133 (ohm/Hz)
Maximum impedance	Zo	71.5 (ohm)
Dc resistance	Re	2.6 (ohm)
Voice coil inductance	Le	1.6 (mH)

### TS Parameters

Resonance Frequency	fs	24.3 (Hz)
Mechanical Q factor	Qms	9.24
Electrical Q factor	Qes	0.34
Total Q factor	Qts	0.33

Force factor	Bl	10.1 (Tm)
Mechanical resistance	Rms	1.48 (Kg/s)
Moving mass	Mms	89.7 (g)
Suspens. compliance	Cms	0.48 (mm/N)
Effective cone diam.	D	21.2 (cm)
Effective piston area	Sd	352 (cm <sup>2</sup> )
Equivalent volume	Vas	81.8 (ltrs)
SPL 2.83V/1m at fmin		91.0 (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

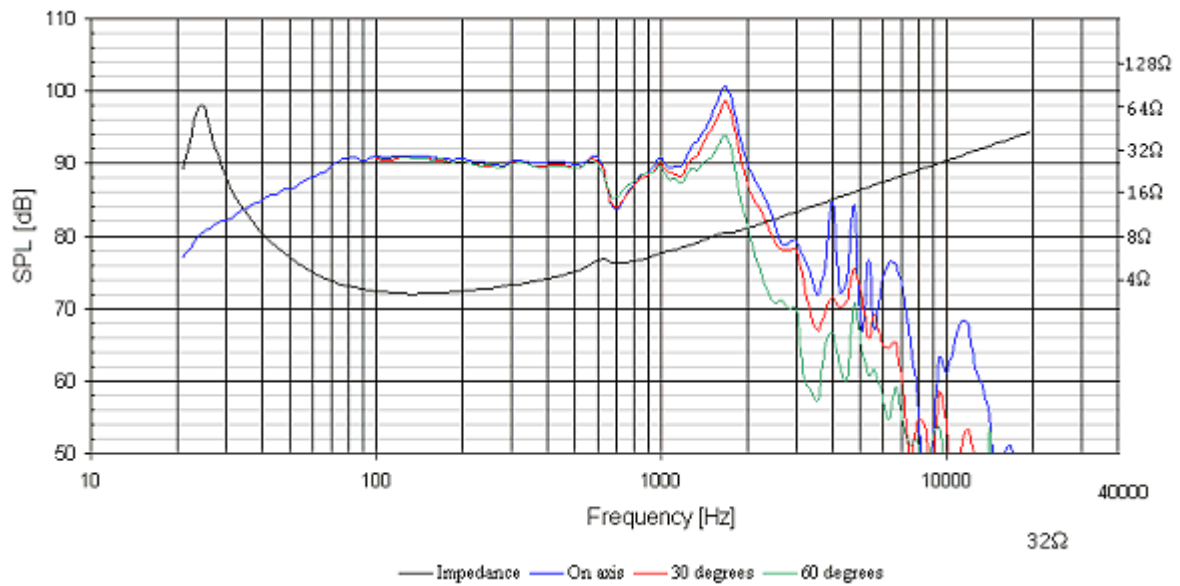
Ratio fs/Qts	73
Ratio BL/sqrt(Re)	6.3

### 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)