



# Peerless Data Sheet

Type: HDS NOMEX 164 WR 33 102 NWP AL LS 8 OHM - 830875



**Electrical data**

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	7.1/290 (ohm/Hz)
Maximum impedance	Zo	44.0 (ohm)
Dc resistance	Re	6.4 (ohm)
Voice coil inductance	Le	1.3 (mH)

**TS Parameters**

Resonance Frequency	fs	48.1 (Hz)
Mechanical Q factor	Qms	2.67
Electrical Q factor	Qes	0.45
Total Q factor	Qts	0.39

Force factor	Bl	8.4 (Tm)
Mechanical resistance	Rms	1.88 (Kg/s)
Moving mass	Mms	16.6 (g)
Suspens. compliance	Cms	0.66 (mm/N)
Effective cone diam.	D	13.3 (cm)
Effective piston area	Sd	139 (cm <sup>2</sup> )
Equivalent volume	Vas	17.6 (ltrs)
SPL 2.83V/1m at fmin		88.6 (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	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**

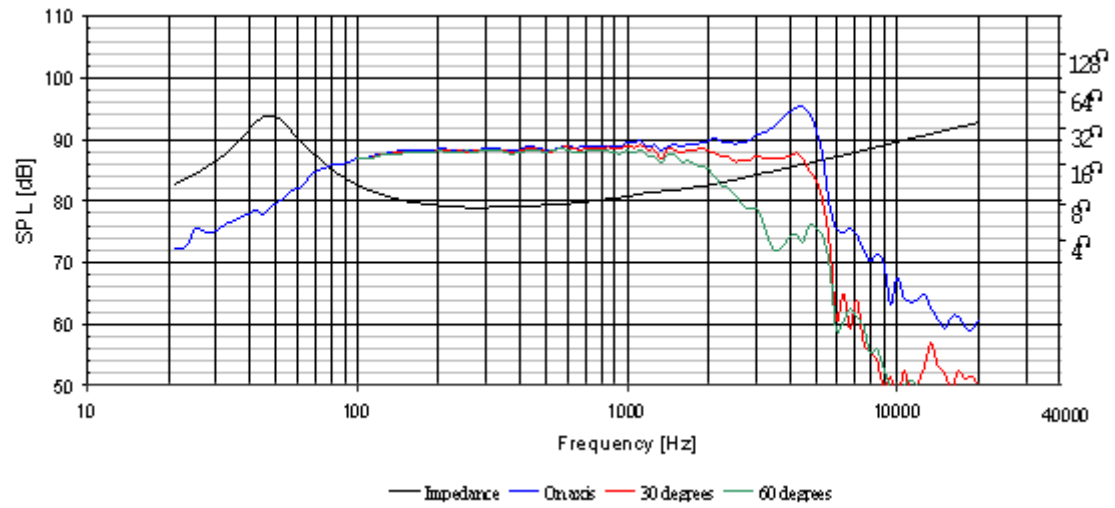
Ratio fs/Qts	124
Ratio BL/sqrt(Re)	3.3

**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)