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Peerless Data Sheet



Type: HDS 164 WR 33 102 PPB AL LS 8 OHM - 830874



Electrical data

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	7.0/290 (ohm/Hz)
Maximum impedance	Zo	43 (ohm)
Dc resistance	Re	6.4 (ohm)
Voice coil inductance	Le	1.2 (mH)

TS Parameters

Resonance Frequency	fs	47.3 (Hz)
Mechanical Q factor	Qms	2.73
Electrical Q factor	Qes	0.47
Total Q factor	Qts	0.40
Force factor	Bl	8.5 (Tm)
Mechanical resistance	Rms	1.97 (Kg/s)
Moving mass	Mms	18.1 (g)

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	117
Ratio BL/sqrt(Re)	3.4

Special remarks

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Suspens. compliance	Cms	0.63 (mm/N)
Effective cone diam.	D	13.3 (cm)
Effective piston area	Sd	139 (cm ²)
Equivalent volume	Vas	16.7 (ltrs)
SPL 2.83V/1m at fmin		87.8 (dB)

Power handling

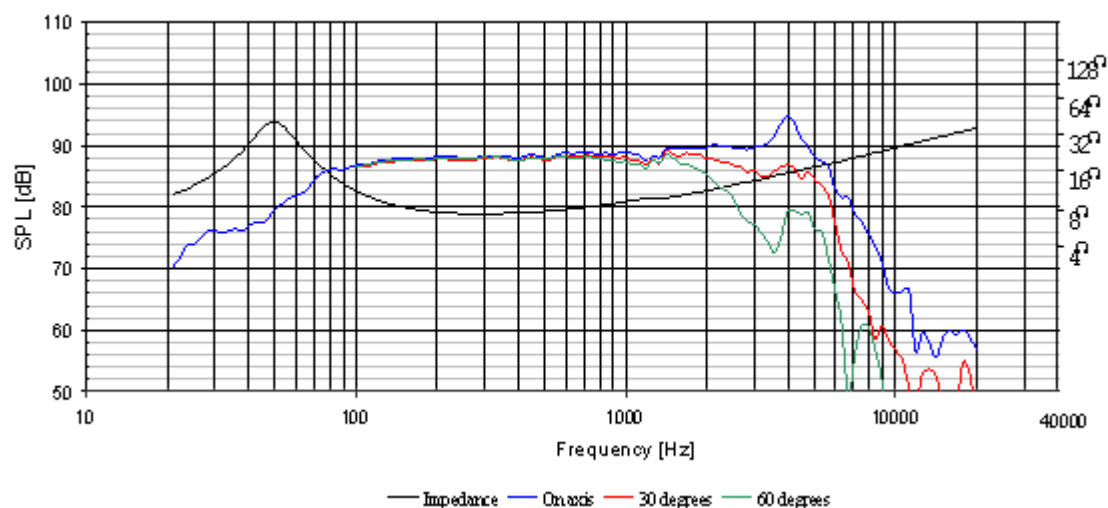
100h RMS noise test (IEC) - (W)

Longterm Max System Power (IEC) - (W)

IEC268-5 noise signal is used for the powertest.

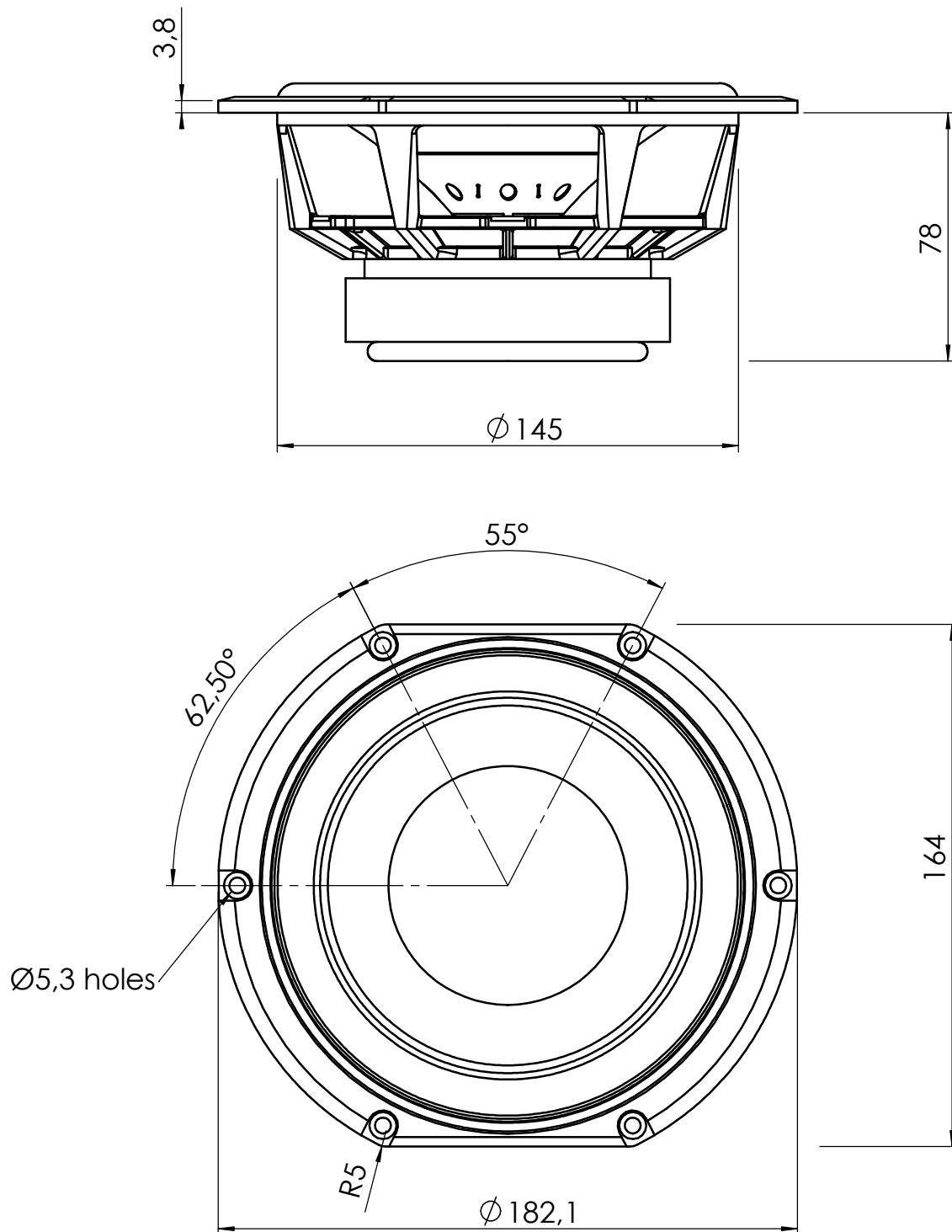
Remarks on powertest

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

Mechanical Dimensions



* Dimensions listed are maximum production line values !

* Recommended build in clearance : 0,5% of above values !

Drawing Scale **1:2** All dimensions are in millimeters !

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6" HDS 164 (Die Cast Aluminium)

Order ID. **830874**