

HDS Exclusive 6¹/₂" Midwoofer

Peerless

Type Number: 830883

Features:

This High Definition Sound (HDS) line of products push the performance limits of midbass audio transducers in a range of sizes - from the standard 205mm (8-inch) model, down to the very small 106mm (4-inch) model. Feature-rich and utilizing copper for the lowest distortion possible, the high-end HDS Exclusive Series takes maximum advantage of over 80 years of R&D experience to help systems designers build the world's best audio products.

See architecture notes for HDS Platform

Driver Highlights: Nomex diaphragm, 33 mm coil, AL, CU, LS, Phaseplug See Application Notes

Go to Application Notes.

Go to Architecture Notes

Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 6.4 38.4 5.7 1.1	ohm ohm ohm ohm mH
T-S Parameters Resonance Frequency Mechanical Q factor Electrical Q factor Total Q factor Force factor Mechanical resistance Moving mass Suspension compliance Effective cone diameter Effective piston area Equivalent volume Sensitivity (2.83V/1m) Ratio BL/√(Re) Ratio fs/Qts	fs Qms Qes Qts BI Rms Mms Cms D Sd Vas	41.9 2.41 0.42 0.36 8.2 1.83 16.8 0.86 13.1 135 21.7 87.8 3.4 122	Hz Tm Kg/s g mm/N cm cm ² Itrs dB



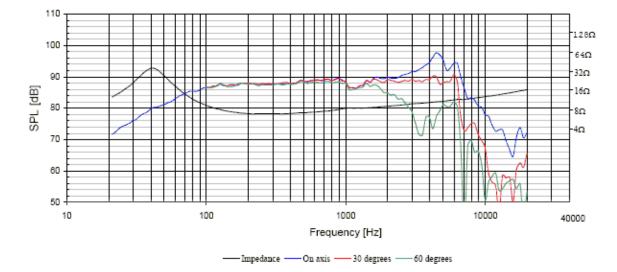


Power handling

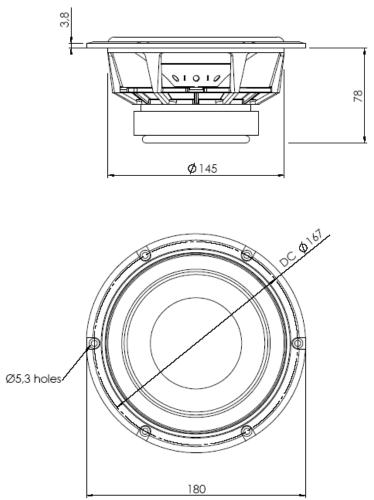
100h RMS noise test (IEC)		W
Long-term Max Power (IEC 18.3)		W
Max linear SPL (rms) @ power		dB/W
Short Term Max power (IEC 18.2)		W
Voice Coil and Magnet Parameters		
Voice coil diameter	33	mm
Voice coil height	17.2	mm
Voice coil layers	2	
Height of the gap	6	mm
Linear excursion +/-	3	mm
Max mech. excursion +/-		mm
Flux density of gap		mWb
Total useful flux	1.1	mWb
Diameter of magnet	102	mm
Height of magnet	20	mm
Weight of magnet	0.64	Kg

Notes: IEC specs refer to IEC 60268-5 third edition.

All Tymphany products are RoHS compliant.



Mechanical Dimensions:830883



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