

**Classic
5½" Woofer**



Type Number: 850108

Features:

The Classic line consists of all the highly regarded transducers that have been appraised and loved by so many customers over the years. The goal has been to assemble all the diamonds, developed over the years, speakers that fully live up to the heritage of the brand.

Driver Highlights: Recommended Replacement Driver
#830860- 5" HDS PPB
#830873- 5" HDS Nomex

Specs:

Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	6.6	ohm
Maximum impedance	Zo	31.9	ohm
DC resistance	Re	6.1	ohm
Voice coil inductance	Le	0.9	mH
Capacitor in series with x ohm	Cc	7	uF

T-S Parameters

Resonance Frequency	fs	48	Hz
Mechanical Q factor	Qms	1.78	
Electrical Q factor	Qes	0.42	
Total Q factor	Qts	0.34	
Force factor	Bl	6.6	Tm
Mechanical resistance	Rms	1.7	Kg/s
Moving mass	Mms	10	g
Suspension compliance	Cms	1.09	mm/N
Effective cone diameter	D	10.8	cm
Effective piston area	Sd	91	cm ²
Equivalent volume	Vas	12.5	ltrs
Sensitivity (2.83V/1m)		--	dB
Ratio BL/√(Re)		--	
Ratio fs/Qts	F	--	

Power handling

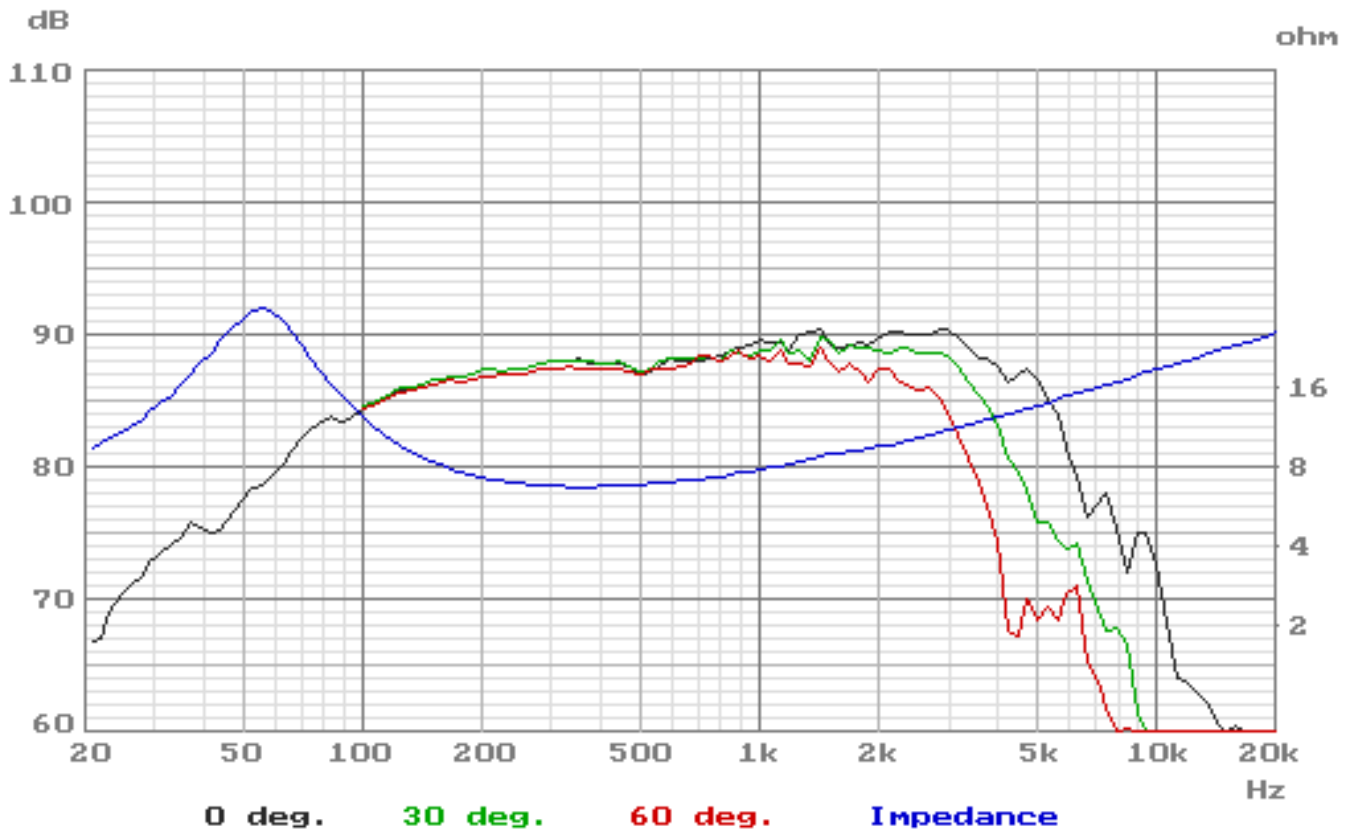
100h RMS noise test (IEC)	--	W
Long-term Max Power (IEC 18.3)	110	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	16	mm
Voice coil layers	2	
Height of the gap	6	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	1.17	mWb
Total useful flux	0.81	mWb
Diameter of magnet	90	mm
Height of magnet	15	mm
Weight of magnet	0.4	Kg

Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tymphany products are RoHS compliant.

Frequency: 850108



Mechanical Dimensions:850108

