

Car CD 6½" Automotive



Type Number: 830513

Features:

Driver Highlights: Cast diaphragm, 26 mm coil, logo



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.6	ohm
Maximum impedance	Zo	18.6	ohm
DC resistance	Re	3.3	ohm
Voice coil inductance	Le	0.5	mH
Capacitor in series with x ohm	Cc	20	uF

T-S Parameters

Resonance Frequency	fs	50.5	Hz
Mechanical Q factor	Qms	2.41	
Electrical Q factor	Qes	0.52	
Total Q factor	Qts	0.43	
Force factor	Bl	5.6	Tm
Mechanical resistance	Rms	2.07	Kg/s
Moving mass	Mms	15.7	g
Suspension compliance	Cms	0.63	mm/N
Effective cone diameter	D	13.5	cm
Effective piston area	Sd	143	cm ²
Equivalent volume	Vas	17.7	ltrs
Sensitivity (2.83V/1m)		91	dB
Ratio BL/√(Re)		109	
Ratio fs/Qts	F	--	

Power handling

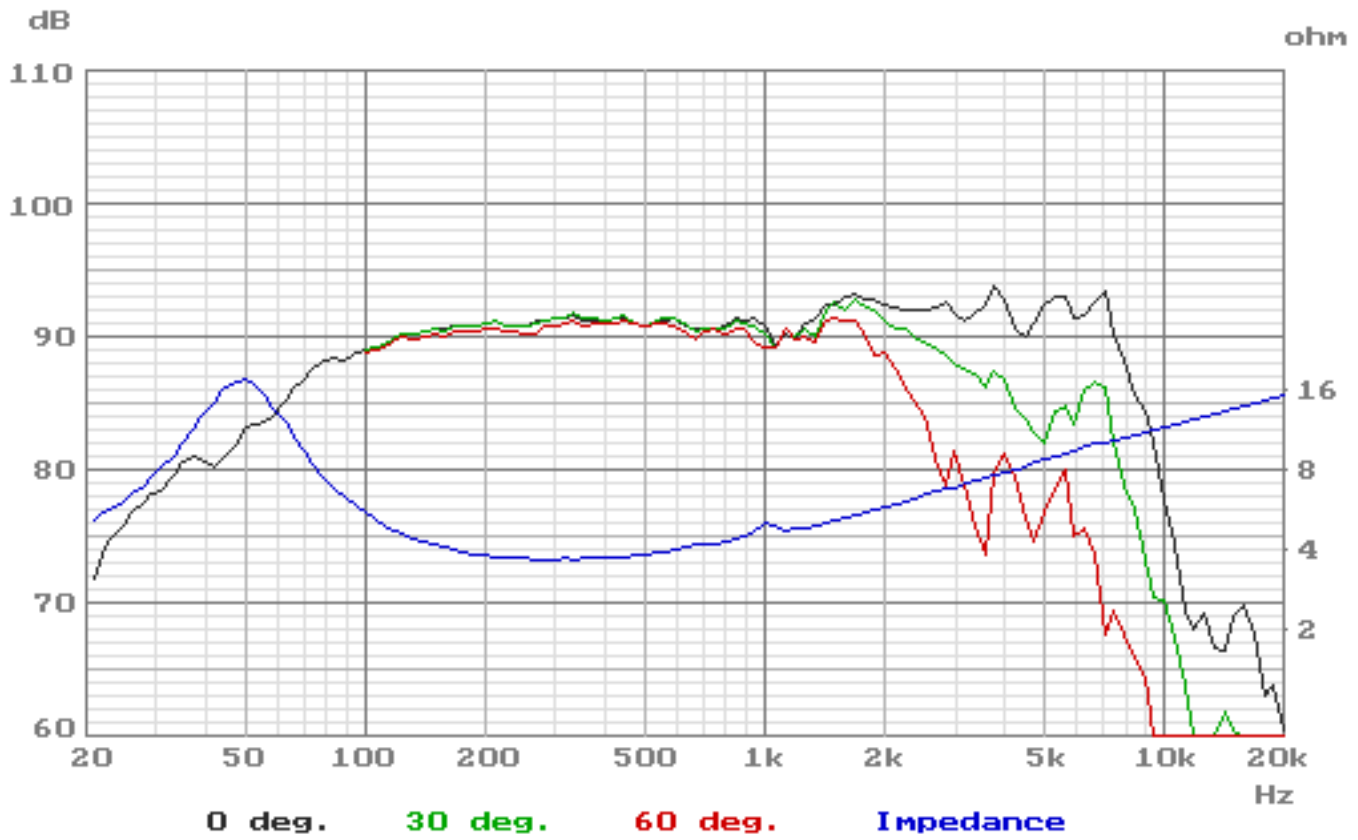
100h RMS noise test (IEC)	--	W
Long-term Max Power (IEC 18.3)	140	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	10	mm
Voice coil layers	2	
Height of the gap	6	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	1.18	mWb
Total useful flux	0.78	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: 830513



Mechanical Dimensions:830513

