TYMPHANY

XT/DX
¾″ Tweeter

vifa

Type Number: DX19TD05-04

Features:

The goal for this tweeter series was to create a transducer that has a frequency response that is flat to above 20K, and where the distortion is far lower than normal and more friendly to the ear. The tweeters represent a unique approach to tweeter design that has resulted in unrivaled performance, as well as in several patents (Dual Ring Radiator diaphragm, wave-guide center plug).

In this design, Vifa audio engineers have tried to reinvent the traditional dome tweeter. Based on the knowledge obtained from work on the XT series, Vifa's R&D team combined a traditional dome design with the large surround of the XT. This results in a tweeter that has a very good dispersion and low distortion, due to the improved control of the diaphragm.

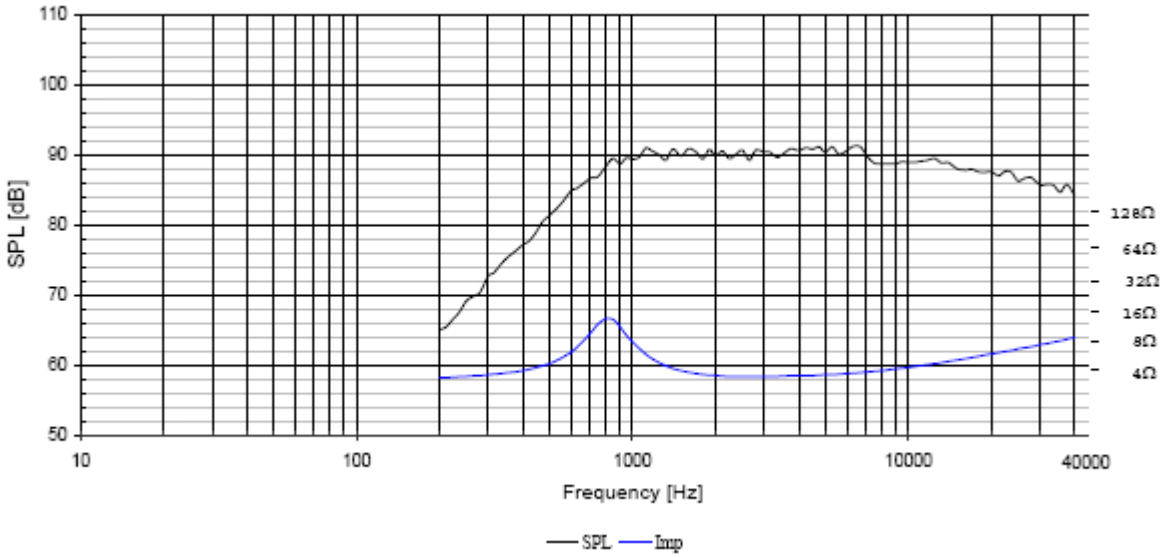
Specs:

Electrical Data			
Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.59	ohm
Maximum impedance	Zo	12.8	ohm
DC resistance	Re	2.9	ohm
Voice coil inductance	Le	0.017	mH
T-S Parameters			
Resonance Frequency	fs	802	Hz
Mechanical Q factor	Qms	2.48	
Electrical Q factor	Qes	0.94	
Total Q factor	Qts	0.68	
Force factor	Bl	--	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	--	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	2.2	cm
Effective piston area	Sd	3.8	cm^2
Equivalent volume	Vas	--	ltrs
Sensitivity (2.83V/1m)		90.7	dB

Power handling		
Long-term Max Power (IEC 18.3)	--	W
Short Term Max power (IEC 18.2)	--	W
Voice Coil and Magnet Parameters		
Voice coil diameter	19	mm
Voice coil height	1.8	mm
Voice coil layers	2	
Height of the gap	2	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	60	mm
Height of magnet	9	mm
Weight of magnet	--	Kg

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

Frequency: DX19TD05-04



Mechanical Dimensions:DX19TD05-04