

## 4" Midrange

Type Number: 821615

### Features:

Driver Highlights: All PP cone, backchamber, cast frame



### Specs:

#### Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	8.3	ohm
Maximum impedance	Zo	9.3	ohm
DC resistance	Re	6.2	ohm
Voice coil inductance	Le	0.3	mH

#### T-S Parameters

Resonance Frequency	fs	530	Hz
Mechanical Q factor	Qms	1.07	
Electrical Q factor	Qes	2.16	
Total Q factor	Qts	0.72	
Force factor	Bl	7.4	Tm
Mechanical resistance	Rms	17.83	Kg/s
Moving mass	Mms	5.73	g
Suspension compliance	Cms	0.02	mm/N
Effective cone diameter	D	9.6	cm
Effective piston area	Sd	72	cm <sup>2</sup>
Equivalent volume	Vas	--	ltrs
Sensitivity (2.83V/1m)		91	dB

#### Power handling

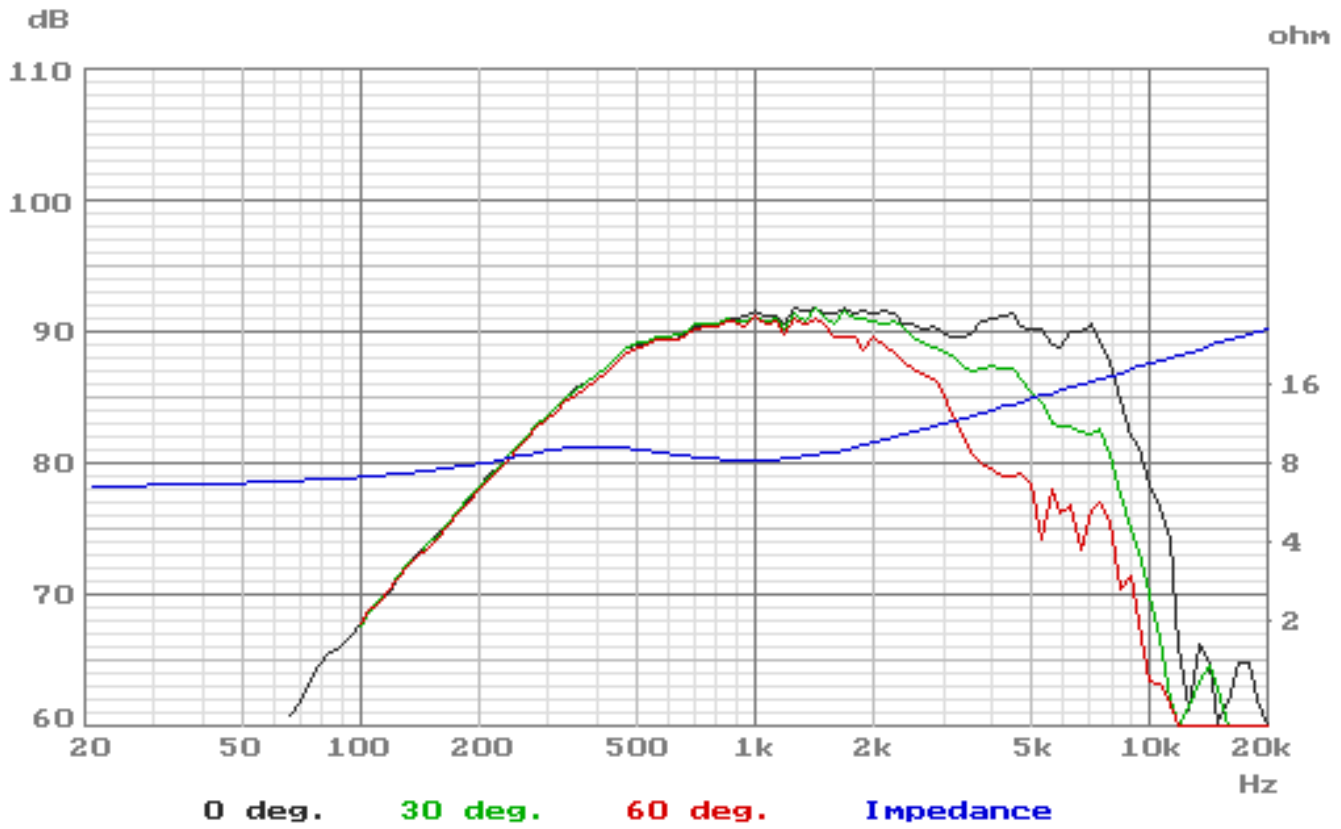
Long-term Max Power (IEC 18.3)	180	W
Max linear SPL (rms) @ power	110/115	dB/W
Short Term Max power (IEC 18.2)	--	W

#### Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	9	mm
Voice coil layers	2	
Height of the gap	5	mm
Flux density of gap	1.1	mWb
Total useful flux	0.5	mWb
Diameter of magnet	72	mm
Height of magnet	15	mm
Weight of magnet	0.24	Kg

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

Frequency: 821615



Mechanical Dimensions:821615

