

# TM-SERIES

## SUBWOOFER TRANSDUCER



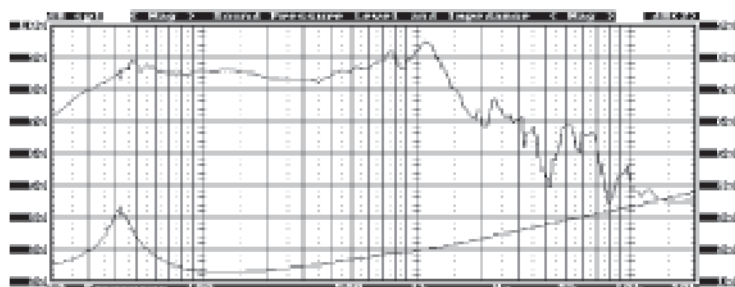
# TM-12

### GENERAL SPECIFICATIONS

Nominal Diameter	320 mm	13 Inch
Rated Impedance	4 Ohm	
Power Handling Capacity	400 W (rms)	
Sensitivity 2.83 V, 1M	92 dB	
Effective Piston Diameter	245 mm	9.6 Inch
Voice Coil Diameter	Size Double 77.0 mm	3 Inch

### PHYSICAL INFORMATION

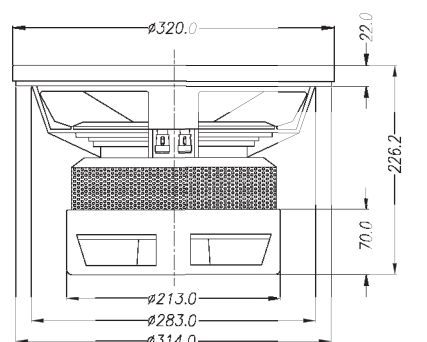
Basket	Die Cast Aluminum
Magnet Type	Ferrite 171.6 oz
	Size ODxIDxH (mm)
	200 X 86 X 38
Voice coil Former	Fiber Glass(Polymide )
	High Temp.400°C
Voice coil Material	High Temp.300°C
	Aluminium Wire
Cone Material	Pulp Paper
Surround	Rubber
Dust Cap	Paper
Net Weight	13.06 Kg/pcs(28.73Lb)
Gross Weight	14.98 Kg/cartom(32.96Lb)
Packing Dimension	
WxLxH (mm)	375 X 375 X 300
	(14.76in X 14.76in X 11.81in)
	1.48 Cu.Ft



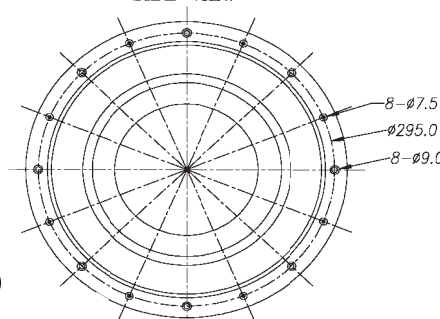
### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	48.5	Hz
DC Resistance	Re	3.5	Ω
Mechanical Q Factor	Qms	8.750	
Electrical Q Factor	Qes	0.550	
Total Q Factor	Qts	0.520	
BL Factor	BL	19.30	TM
Effective Moving Mass	Mms	192.19	gr
Equivalent Gas Air Load	Vas	17.51	Liters
Effettive Piston Area	Sd	0.0470	m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	1.00	mH
Half-Space Efficiency	Eff	0.35	%
Airgap Height	Hag	9.5	mm
Voice Coil Height	Hvc	36.0	mm
Voice Coil Over-Hung	Xmax	13.3	mm

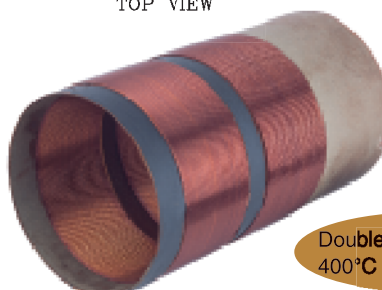
### MOUNTING INFORMATION



SIDE VIEW



TOP VIEW



Double inside & outside  
400°C 3 inch voice coil