

Model No.: NCP-1540R01-08

Rev: 1

Product Line: Tymphany

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## Product Description

This 15 inch 8 ohm speaker features a FEA optimized Neo magnet motor, a 4 inch high-temperature CCAW voice coil, and a high strength cast aluminum frame, specially designed motor cooling system incorporate with the cast aluminum heatsink can dramatically increase the power handling and reduce the power compression, the multi-roll surround and spider have been optimized to reduce distortion over the excursion range of this transducer.



NO IMAGE

## Specifications

DC Resistance	Revc	Ohms	5.43	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	6.71	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.74		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	54.2	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		7.06		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.33			Effective Volume	Vas	L
Total Q Factor	Qts		0.31		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	174.84		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	97.42	+/- 1.0db	Voice coil former Material	VCfm	GFB-P/0.200
Half Space Sensitivity @1W/1M	db@1W/1M	dB	96.7	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	12		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	4		Test Spectrum Bandwidth	50Hz -500Hz	
Ferrofluid Type	FF				Driver Size	Inch	15 in
Driver Mass	Kg	7.2					

## Frequency and Impedance Response

