

# Specification Sheet

Model # 90ON08-2



# MISCO®

## Key Features:

- 2 x 3.5" (50 X 90 mm), 8 ohm
- Full Range, 7.5 watts
- Neodymium magnet, paper cone with natural rubber surround
- RoHS Compliant;

## Product Specifications & Parameters

### Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	Yes

### Technical Specifications

		Units of Measure
Nominal Basket Diameter	2.0 x 3.5	inch
	50.0 x 90.0	mm
Rated Impedance	8	ohms
Rated Power	7.0	Watts
Program Power	15	Watts
Frequency Range	180 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	87	dB SPL
Voice Coil Diameter	0.8 / 20.3	inch / mm
Magnet Weight	0.5 / 14	oz / gr
Transformer		

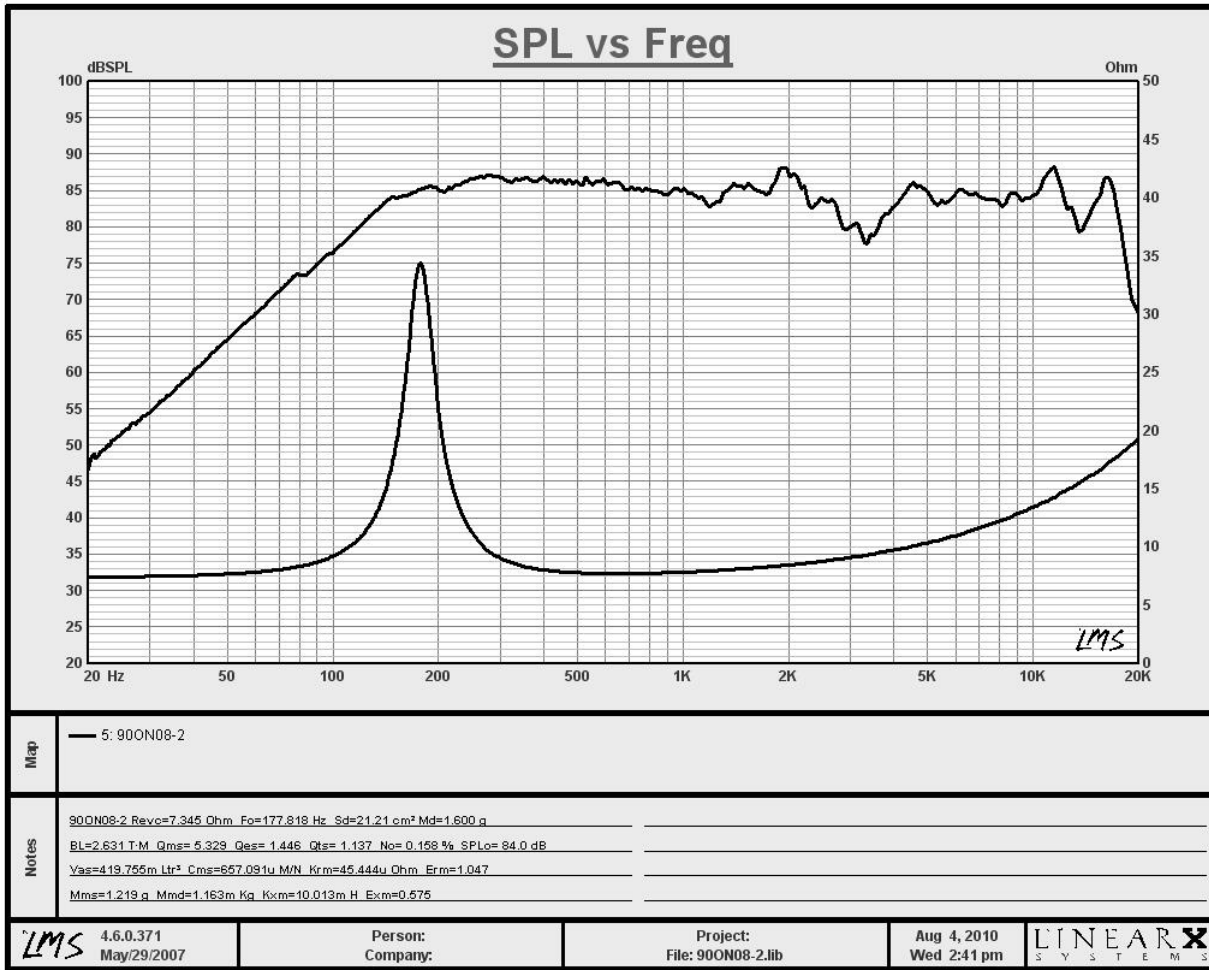
### Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	180	Hz
D.C. Resistance (Re)	7.8	ohms
Mechanical Q (Qms)	4.79	
Electrical Q (Qes)	1.3	
Total Q (Qts)	1.0	
Compliance Equivalent Volume (Vas)	0.42	ltr
BL Product (BL)	2.6	T-M
Maximum Linear Excursion (Xmax)	0.1	mm
Surface Area of Cone (Sd)	21.0	cm <sup>2</sup>
Moving Mass (Mmd)		g

### Material Descriptions

Basket	Stamped Steel
Terminal Size	.110 X 0.02 / 0.205 X 0.02
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Paper
Cone	Paper
Cone Edge	Natural Rubber
Dust Cap	Paper

## Sensitivity / Frequency



## Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	3.5 in.	+/- 0.020"
CD	Cutout Diameter	3.3 in.	+/- 0.020"
MG	Magnet Diameter	1.3 in.	+/- 0.050"
HD	Hole Diameter	0.24 in.	+/- 0.010"
MD	Mounting Diameter	1.6 in.	+/- 0.010"
ID	Internal Depth	1.29 in.	+/- 0.025"
FT	Flange Thickness	0.1 in.	+/- 0.050"
NW	Net Weight	135.0 g	

