

# Specification Sheet

Model # ECN3W-12B



## MISCO®

### Key Features:

- 3" (77 mm), 12 ohm
- 10 watts
- Ferrite magnet, black acrylic treated paper cone with rubber surround
- RoHS Compliant;

## Product Specifications & Parameters

### Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	Yes

### Technical Specifications

		Units of Measure
Nominal Basket Diameter	3.0	inch
	77.0	mm
Rated Impedance	12	ohms
Rated Power	10.0	Watts
Program Power	20	Watts
Frequency Range	100-20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	83	dB SPL
Voice Coil Diameter	0.75 / 19.1	inch / mm
Magnet Weight	3.0 / 85	oz / gr
Transformer		

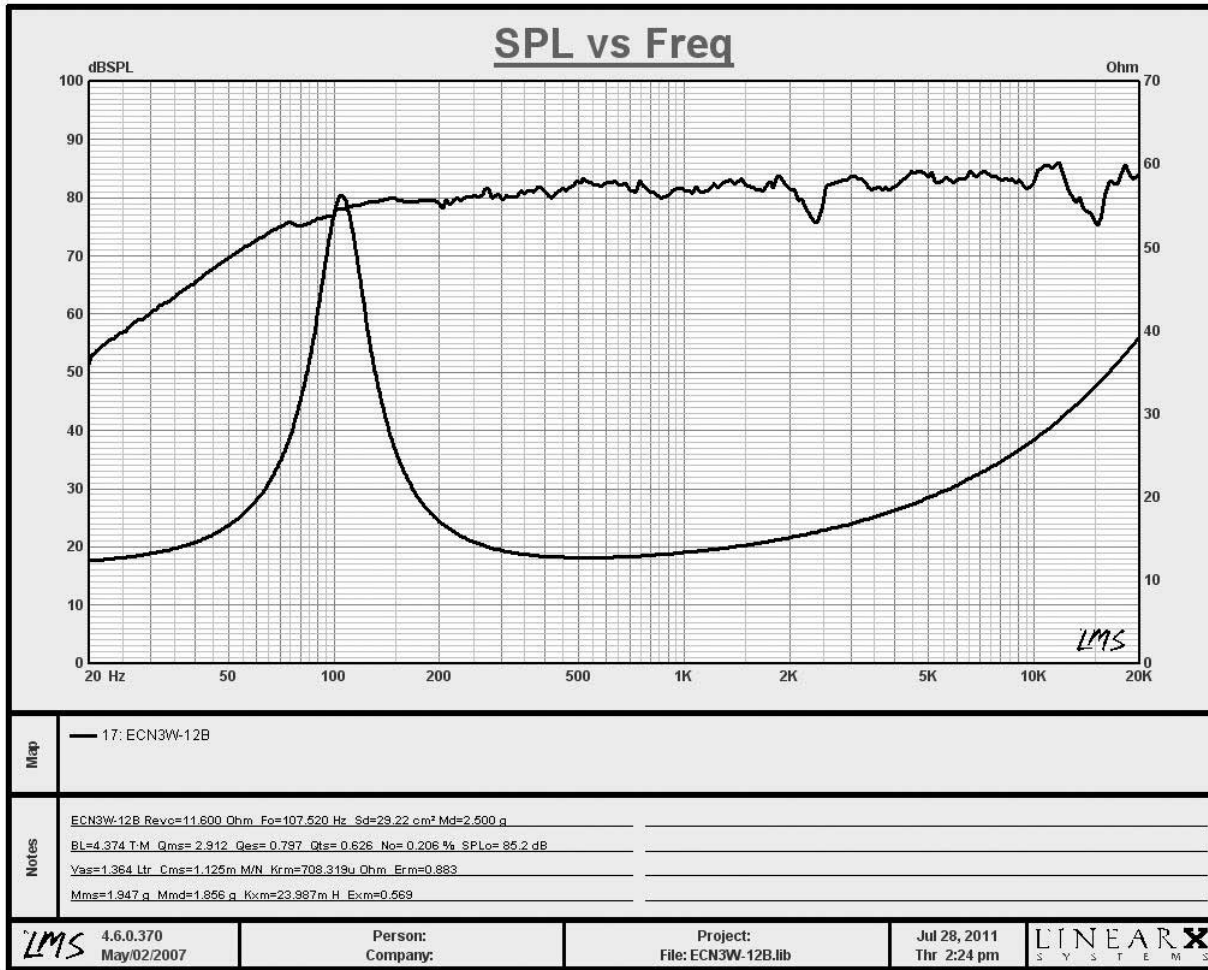
### Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	108	Hz
D.C. Resistance (Re)	11.6	ohms
Mechanical Q (Qms)	2.9	
Electrical Q (Qes)	0.8	
Total Q (Qts)	0.63	
Compliance Equivalent Volume (Vas)	1.4	ltr
BL Product (BL)	4.4	T-M
Maximum Linear Excursion (Xmax)	0.6	mm
Surface Area of Cone (Sd)	29.0	cm <sup>2</sup>
Moving Mass (Mmd)		g

### Material Descriptions

Basket	Stamped Steel
Terminal Size	0.205 x 0.02
Magnet	Ferrite
Voice Coil Wire	Copper
Voice Coil Form	Kapton
Cone	Black Acrylic Treated Paper
Cone Edge	Natural Rubber
Dust Cap	Paper

# Sensitivity / Frequency



# Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	3.1 in.	+/- 0.020"
CD	Cutout Diameter	2.8 in.	+/- 0.020"
MG	Magnet Diameter	2.3 in.	+/- 0.050"
HD	Hole Diameter	0.23 in.	+/- 0.010"
MD	Mounting Diameter	3.3 in.	+/- 0.010"
ID	Internal Depth	1.3 in.	+/- 0.025"
FT	Flange Thickness	0.1 in.	+/- 0.050"
NW	Net Weight	304.1 g	

