

Specification Sheet

Model # QC12W-8A



Key Features:

- 12" (304mm), Cast Aluminum Woofer: 8 ohm, 175 Watts
- 2.5" Edge Wound voice coil, Paper cone with accordion cloth surround
- RoHS compliant

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	Yes

Technical Specifications

		Units of Measure
Nominal Basket Diameter	12.0	inch
	304.0	mm
Rated Impedance	8	ohms
Rated Power	175	Watts
Program Power	350	Watts
Frequency Range	30 - 1000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	96	dB SPL
Voice Coil Diameter	2.5 / 63.5	inch / mm
Magnet Weight	55.0 / 1562	oz / gr

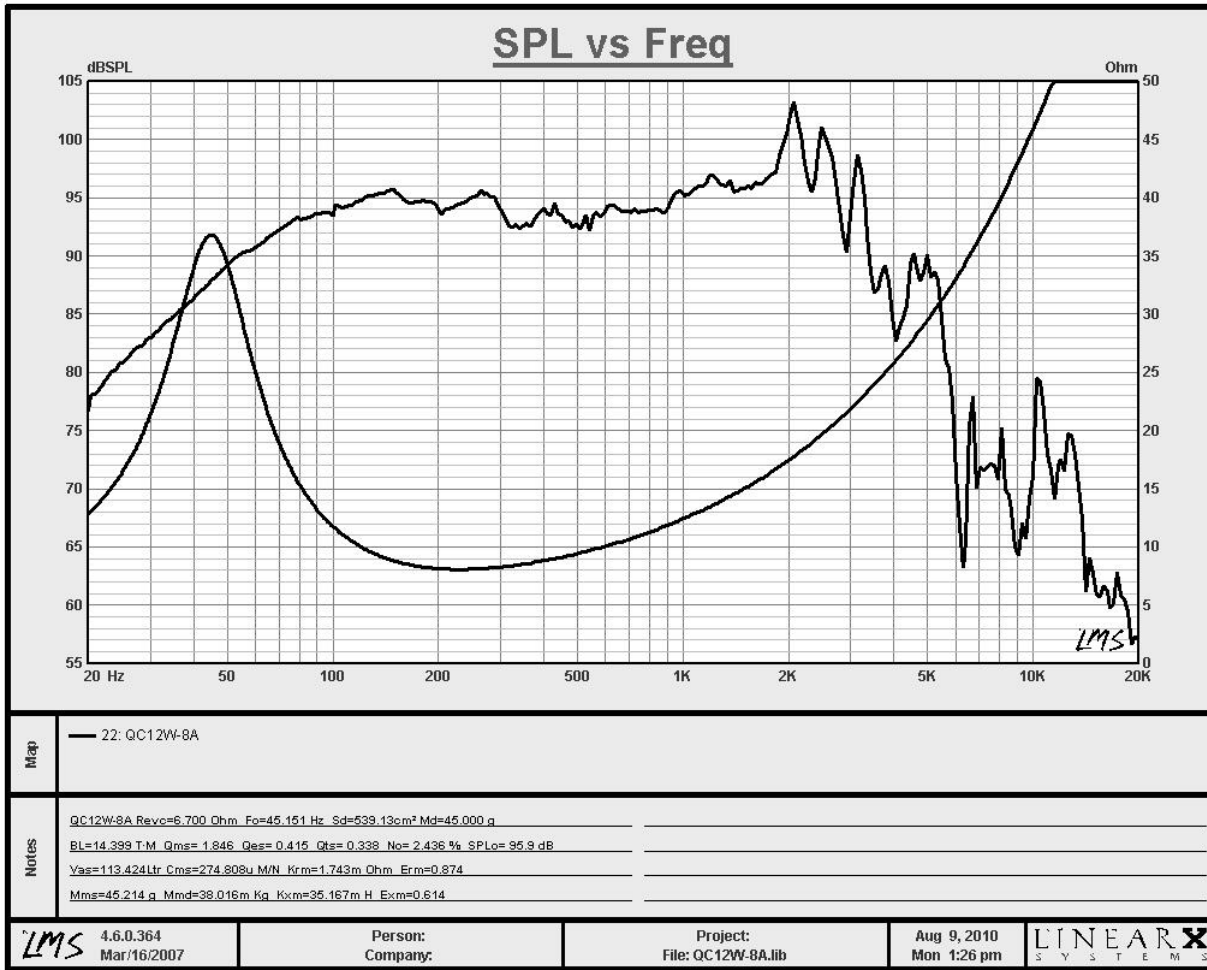
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	45	Hz
D.C. Resistance (Re)	6.6	ohms
Mechanical Q (Qms)	1.8	
Electrical Q (Qes)	0.42	
Total Q (Qts)	0.34	
Compliance Equivalent Volume (Vas)	113.4	ltr
BL Product (BL)	14.4	T-M
Maximum Linear Excursion (Xmax)	6.4	mm
Surface Area of Cone (Sd)	539.0	cm ²

Material Descriptions

Basket	Cast Aluminum
Terminal Size	Gold Terminal Posts
Magnet	Ferrite
Voice Coil Wire	Copper
Voice Coil Form	Kapton
Cone	Paper
Cone Edge	Cloth
Dust Cap	Paper

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	12.4 in.	+/- 0.020"
CD	Cutout Diameter	11.1 in.	+/- 0.020"
MG	Magnet Diameter	in.	+/- 0.050"
HD	Hole Diameter	0.2 in.	+/- 0.010"
MD	Mounting Diameter	11.75 in.	+/- 0.010"
ID	Internal Depth	4.9 in.	+/- 0.025"
FT	Flange Thickness	0.36 in.	+/- 0.050"
NW	Net Weight	5604.0 g	

