

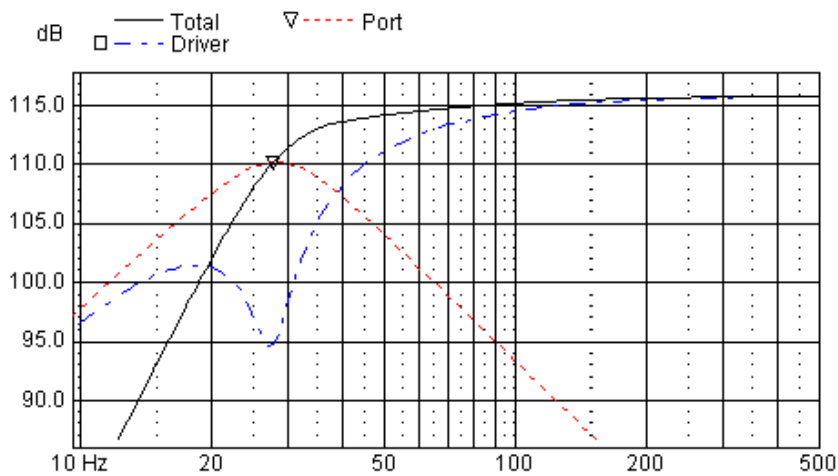
Application Notes: XCLS Subwoofer 830846

Driver Highlights: Thick Nomex cone, 51 mm voice coil, ALP, DVC

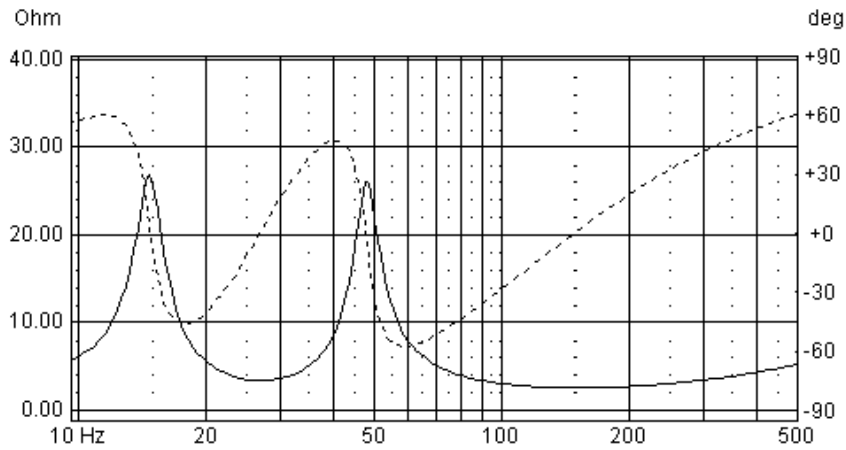
Tuning a Vented Box

BOX PROPERTIES		
Alignment	Bassreflex	
DRIVE UNIT	830846	
Box Volume	48	Ltr.
Port Length	41	Cm
Port Diameter	9	Cm
Fill	26	%
f_{-3dB}	34	Hz

Frequency response : Half Space (2л) 1m distance



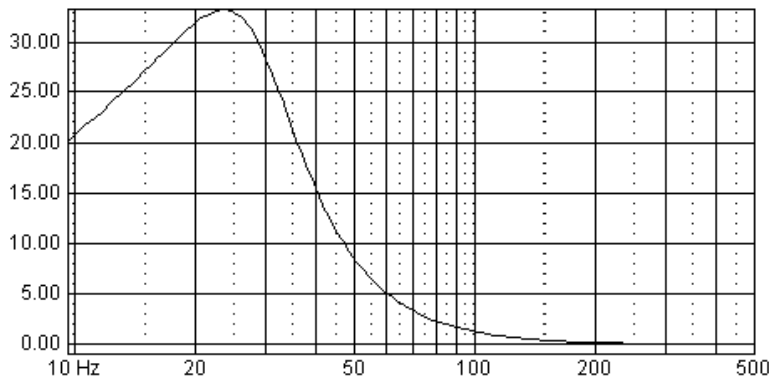
Impedance



Air velocity in port

The dimensions of the duct take the air velocity into consideration and emphasis is put into keeping the Velocity (Duct noise) very low and below the limit of 35 m/s.

m/s



Source level: 39.0 V_{rms}

Transient Response: Impulse

