



# 830491 Peerless XLS 8"

## Speaker Parameters:

Name: 830491  
 Vas= 3.02 ( 85.40L), Fs= 29.00  
 Qes= 0.34, Qms= 2.78, Qts = 0.31  
 Xmax = 0.79 ( 2.0cm), Pd = 200.00

## Box Shape is Rectangular

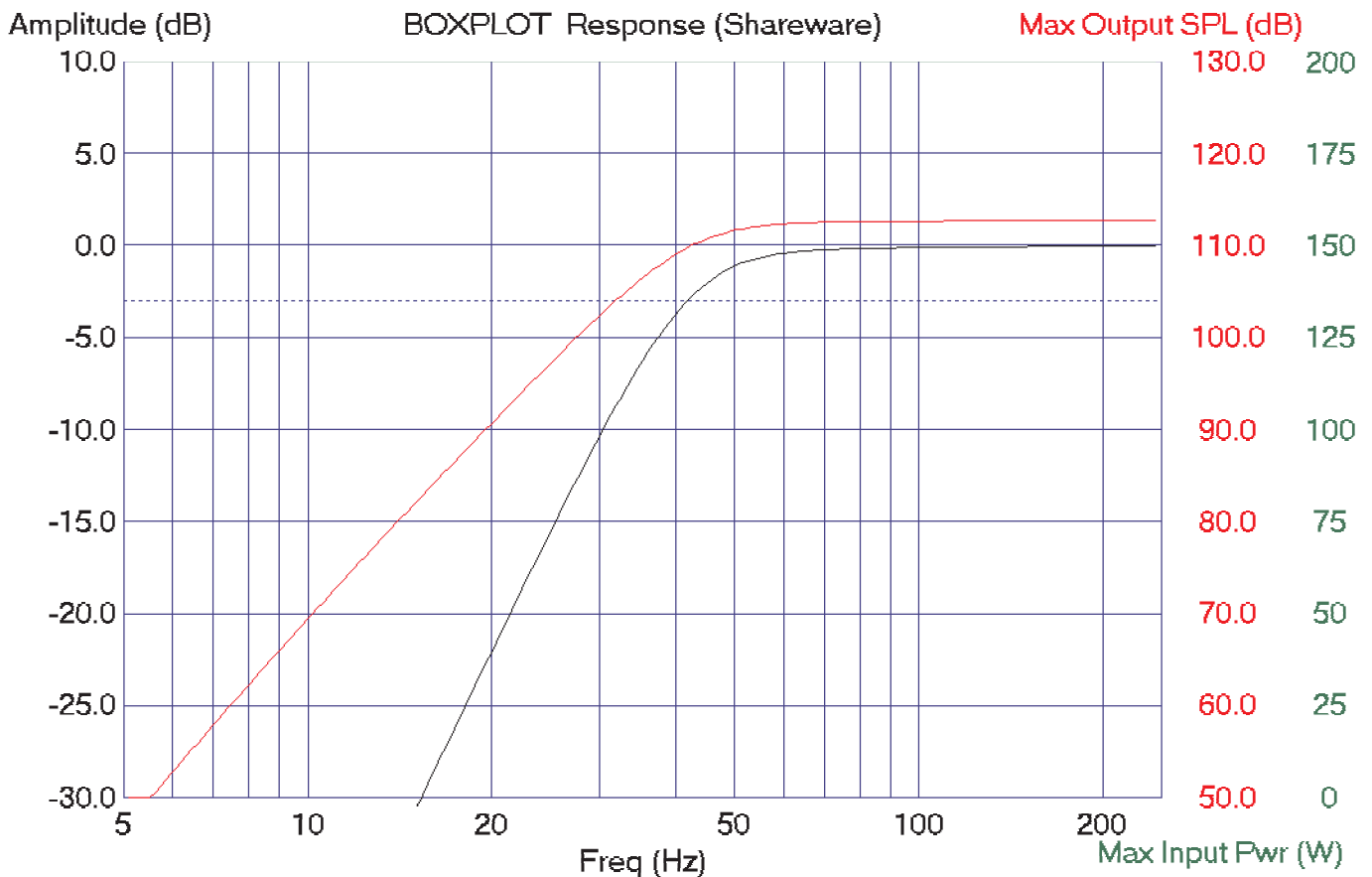
Height= 20.50in ( 52.1cm)  
 Width = 14.26in ( 36.2cm)  
 Depth = 8.91in ( 22.6cm)

830491 XLS 8" Subwoofer 1cf Box Ported



## Box Parameters:

Box Type = Vented Box  
 Alpha = 3.06, H = 1.20, Leakage Q7 = 7.00  
 Box Volume = 0.99ft<sup>3</sup> ( 27.93L)  
 1 Vent(s), Vent Diam = 3.00in ( 7.6cm), Length = 13.88in ( 35.3cm)



**Box Dimensions**

Box Shape  
 Rectangular  
 Trapezoid

Measurements  
 Inside  
 Outside  
 Wall Thickness(in) 0.75

H (in) 19.4041  
 D (in) 8.43660  
 W (in) 13.4985

Target Box Volume = 1.28ft<sup>3</sup>  
 Actual Volume = 1.28 ft<sup>3</sup>, Error = 0.0%

Be sure to allow at least 10% additional volume for bracing, and speaker parameter tolerances.

**Box Parameters**

Box Parameters  
 Alpha 2.3580  
 H 1.2945  
 Q1 7

Box Type  
 Closed  
 Vented

Speaker Config  
 Number of drivers 1  
 Parallel  
 Series

EQ Type  
 None  
 1st Order  
 2nd Order  
 Frequency 29  
 Damping 0.707

**Vent Design**

Vent Diameter 6.00 (cm)  
 Number of Vents 1  
 Vent Area 4.38 (cm<sup>2</sup>)  
 Vent Length 12.25 (cm)  
 Air Speed Mach Number 0.12

Vent Shape  
 Round  
 Rectangular

OK  
 Cancel

Made In Denmark

