Purist Profile Enclosure Information
6WØ-4

Subwoofer Specifications

Fs (free-air resonance):	36.74 Hz
Qts (total speaker "Q"):	.477
Qes (electrical "Q"):	.503
Qms (mechanical "Q"):	9.028
Vas (equivalent compliance) Cu. Ft.:	.34
Vas (equivalent compliance) Liters:	9.67
Xmax (linear excursion one-way) Inches:	.298
Xmax (linear excursion one-way) mm:	7.569
Efficiency (1W/1m)*:	81.59 dB
Sd (effective piston area) Sq. Inches:	20.93
Sd (effective piston area) Sq. Meters:	.014
Re (DC resistance):	3.419 Ω
Znom (nominal impedance):	4 Ω
Pt (continuous thermal power handling):	75 Watts

*Efficiency (1W/1m) is not an accurate indicator of a subwoofer's output capability and should not be used as a comparison to other subwoofers to determine which one is "louder"!

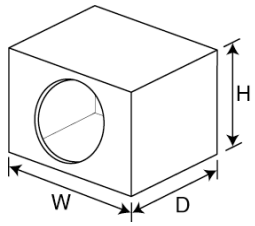
Frame Diameter (A):	6.625 in. 168.28 mm
Mounting Hole Diameter (B):	5.625 in. 142.88 mm
Mounting Depth (C):	3.5 in. 88.90 mm
Overall Depth (D):	4 in. 101.60 mm
Magnet Diameter (E):	5.1875 in. 131.76 mm
Displacement:	.023 ft^3 .65 li.

This speaker does not utilize a pole vent. No clearance between the back plate and the enclosure is necessary for proper operation. JL Audio does recommend that the back plate not come in contact with the enclosure.

Enclosure Specifications

Sealed Enclosure

Enclosure Diagram



Net Internal Volume

.2 ft^3

5.7 li.

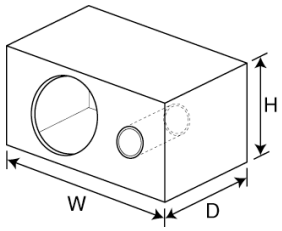
Qtc	F3	Fc
.78	55.0 Hz	60.1 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	7.3 in. 184 mm	X	7.7 in. 196 mm

Ported Enclosure

Enclosure Diagram



Net Internal Volume

.35 ft^3

9.9 ltrs li.

F3	Fb
36.3 Hz	36.5 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	10.0 in. 254 mm	X	8.9 in. 226 mm

Port Dimensions

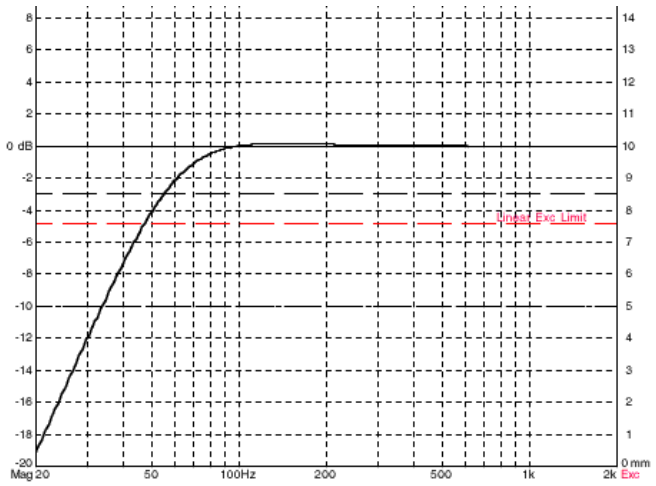
(1) 1.5in. dia. port(s) 9.1 in. long

(1) 38mm dia. port(s) 231 mm long

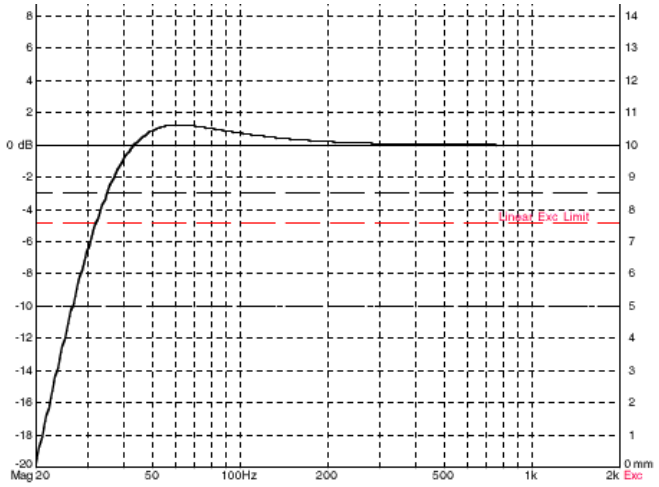
- Enclosure dimensions listed are external dimensions which assume the use of 0.75 inch (19mm) thick material. If you are using 0.625 inch (16mm) thick material, subtract 0.25 inches (6.5mm) from each dimension. Do not use material with a thickness of less than 0.625 inches (16mm).
- Enclosure volumes listed are NET internal volumes. Driver displacement, port displacement and brace displacement must be added to obtain the final gross volume. The dimensions listed have already taken this into account.
- When using two subwoofers in a common enclosure simply double the required volumes and use two of the recommended ports (when needed). Likewise, when using three subwoofers in a common enclosure simply triple the required volume and number of ports (when needed).

Frequency Responce Graphs for 6WØ-4

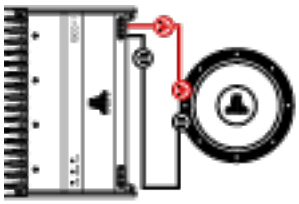
Sealed Enclosure



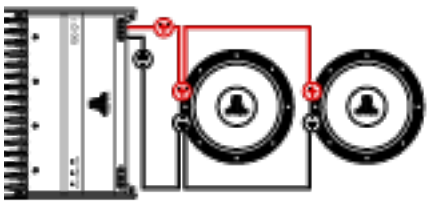
Ported Enclosure



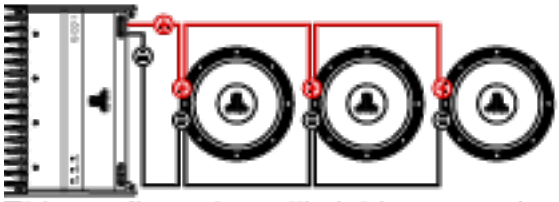
Wiring Diagrams for 6WØ-4



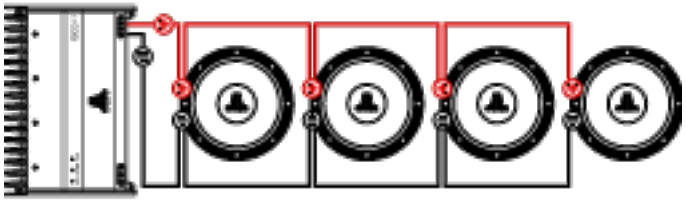
This configuration will yield a 4Ω load.



This configuration will yield a 2Ω load.



This configuration will yield a 1.33Ω load.



This configuration will yield a 1Ω load.

Purist Profile Enclosure Information
6WØ-8

Subwoofer Specifications

Fs (free-air resonance):	38.79 Hz
Qts (total speaker "Q"):	.471
Qes (electrical "Q"):	.500
Qms (mechanical "Q"):	8.059
Vas (equivalent compliance) Cu. Ft.:	.34
Vas (equivalent compliance) Liters:	9.67
Xmax (linear excursion one-way) Inches:	.280
Xmax (linear excursion one-way) mm:	7.112
Efficiency (1W/1m)*:	82.32 dB
Sd (effective piston area) Sq. Inches:	20.93
Sd (effective piston area) Sq. Meters:	.014
Re (DC resistance):	7.284 Ω
Znom (nominal impedance):	8 Ω
Pt (continuous thermal power handling):	75 Watts

*Efficiency (1W/1m) is not an accurate indicator of a subwoofer's output capability and should not be used as a comparison to other subwoofers to determine which one is "louder"!

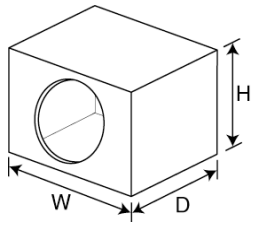
Frame Diameter (A):	6.625 in. 168.28 mm
Mounting Hole Diameter (B):	5.625 in. 142.88 mm
Mounting Depth (C):	3.5 in. 88.90 mm
Overall Depth (D):	4 in. 101.60 mm
Magnet Diameter (E):	5.1875 in. 131.76 mm
Displacement:	.02 ft^3 .57 li.

This speaker does not utilize a pole vent. No clearance between the back plate and the enclosure is necessary for proper operation. JL Audio does recommend that the back plate not come in contact with the enclosure.

Enclosure Specifications

Sealed Enclosure

Enclosure Diagram



Net Internal Volume

.2 ft^3

5.7 li.

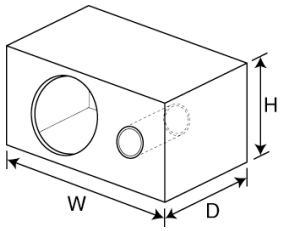
Qtc	F3	Fc
.77	58.7 Hz	63.5 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	7.3 in. 184 mm	X	7.7 in. 196 mm

Ported Enclosure

Enclosure Diagram



Net Internal Volume

.35 ft^3

9.9 ltrs li.

F3	Fb
38.3 Hz	38.5 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	10.0 in. 254 mm	X	8.9 in. 226 mm

Port Dimensions

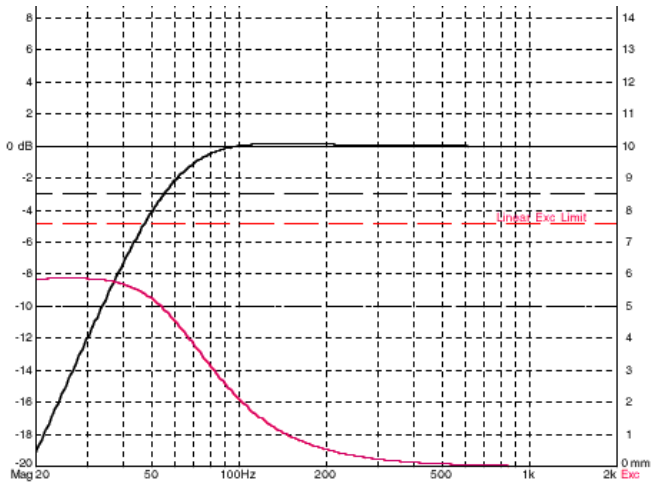
(1) 1.5in. dia. port(s) 8.1 in. long

(1) 38mm dia. port(s) 206 mm long

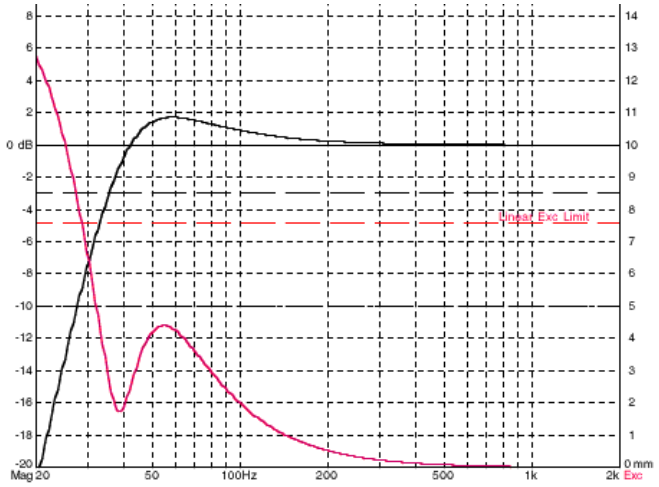
- Enclosure dimensions listed are external dimensions which assume the use of 0.75 inch (19mm) thick material. If you are using 0.625 inch (16mm) thick material, subtract 0.25 inches (6.5mm) from each dimension. Do not use material with a thickness of less than 0.625 inches (16mm).
- Enclosure volumes listed are NET internal volumes. Driver displacement, port displacement and brace displacement must be added to obtain the final gross volume. The dimensions listed have already taken this into account.
- When using two subwoofers in a common enclosure simply double the required volumes and use two of the recommended ports (when needed). Likewise, when using three subwoofers in a common enclosure simply triple the required volume and number of ports (when needed).

Frequency Responce Graphs for 6WØ-8

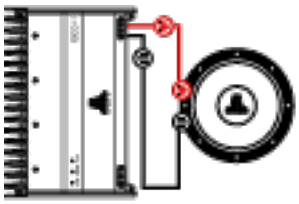
Sealed Enclosure



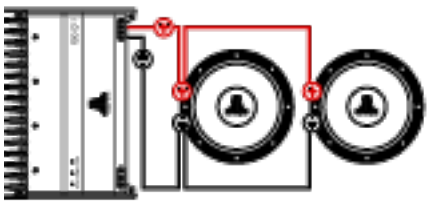
Ported Enclosure



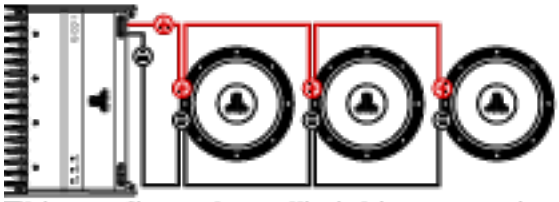
Wiring Diagrams for 6WØ-8



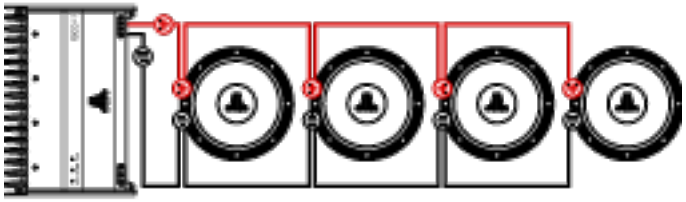
This configuration will yield a 8Ω load.



This configuration will yield a 4Ω load.



This configuration will yield a 2.67Ω load.



This configuration will yield a 2Ω load.

Purist Profile Enclosure Information
6WØ-12

Subwoofer Specifications

Fs (free-air resonance):	41.72 Hz
Qts (total speaker "Q"):	.498
Qes (electrical "Q"):	.535
Qms (mechanical "Q"):	7.261
Vas (equivalent compliance) Cu. Ft.:	.34
Vas (equivalent compliance) Liters:	9.67
Xmax (linear excursion one-way) Inches:	.277
Xmax (linear excursion one-way) mm:	7.023
Efficiency (1W/1m)*:	82.98 dB
Sd (effective piston area) Sq. Inches:	20.93
Sd (effective piston area) Sq. Meters:	.014
Re (DC resistance):	11.593 Ω
Znom (nominal impedance):	12 Ω
Pt (continuous thermal power handling):	75 Watts

*Efficiency (1W/1m) is not an accurate indicator of a subwoofer's output capability and should not be used as a comparison to other subwoofers to determine which one is "louder"!

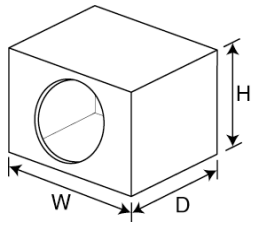
Frame Diameter (A):	6.625 in. 168.28 mm
Mounting Hole Diameter (B):	5.625 in. 142.88 mm
Mounting Depth (C):	3.5 in. 88.90 mm
Overall Depth (D):	4 in. 101.60 mm
Magnet Diameter (E):	5.1875 in. 131.76 mm
Displacement:	.02 ft^3 .57 li.

This speaker does not utilize a pole vent. No clearance between the back plate and the enclosure is necessary for proper operation. JL Audio does recommend that the back plate not come in contact with the enclosure.

Enclosure Specifications

Sealed Enclosure

Enclosure Diagram



Net Internal Volume

.2 ft^3

5.7 li.

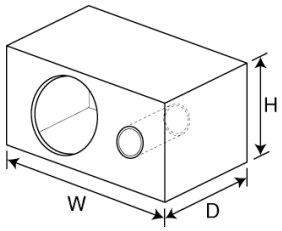
Qtc	F3	Fc
.82	60.5 Hz	68.7 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	7.3 in. 184 mm	X	7.7 in. 196 mm

Ported Enclosure

Enclosure Diagram



Net Internal Volume

.4 ft^3

11.3 ltrs li.

F3	Fb
38.6 Hz	39.7 Hz

External Dimensions

width	x	height	x	depth
12.0 in. 305 mm	X	10.0 in. 254 mm	X	9.9 in. 252 mm

Port Dimensions

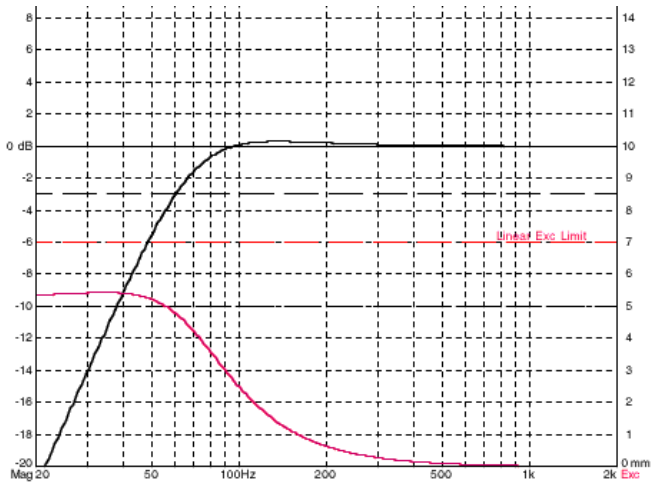
(1) 1.5in. dia. port(s) 6.5 in. long

(1) 38mm dia. port(s) 165 mm long

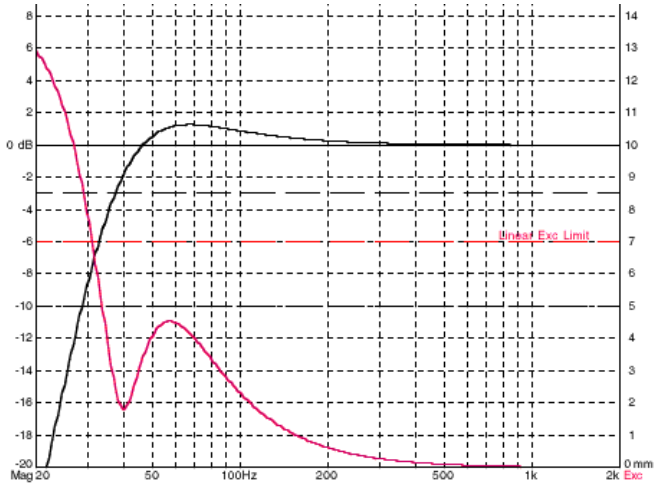
- Enclosure dimensions listed are external dimensions which assume the use of 0.75 inch (19mm) thick material. If you are using 0.625 inch (16mm) thick material, subtract 0.25 inches (6.5mm) from each dimension. Do not use material with a thickness of less than 0.625 inches (16mm).
- Enclosure volumes listed are NET internal volumes. Driver displacement, port displacement and brace displacement must be added to obtain the final gross volume. The dimensions listed have already taken this into account.
- When using two subwoofers in a common enclosure simply double the required volumes and use two of the recommended ports (when needed). Likewise, when using three subwoofers in a common enclosure simply triple the required volume and number of ports (when needed).

Frequency Responce Graphs for 6WØ-12

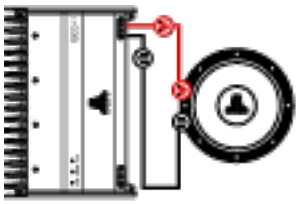
Sealed Enclosure



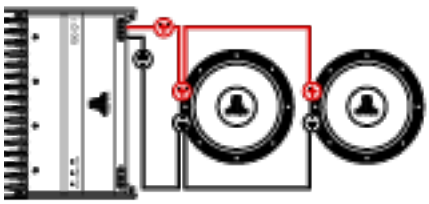
Ported Enclosure



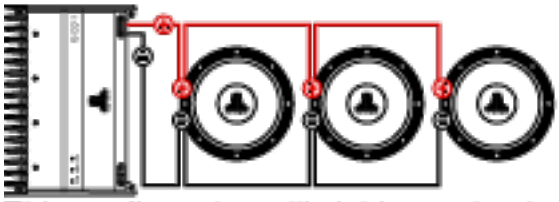
Wiring Diagrams for 6WØ-12



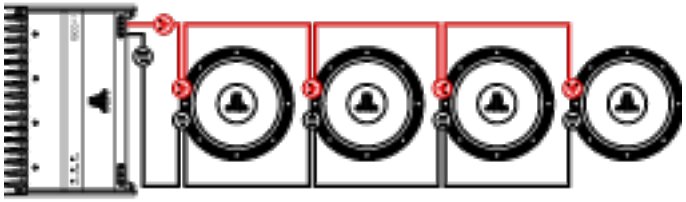
This configuration will yield a 12Ω load.



This configuration will yield a 6Ω load.



This configuration will yield a 4Ω load.



This configuration will yield a 3Ω load.