

Hunter 216 V-Berth Layout

The basis of the v-berth design was based on drawings from Hunter without dimensions entitled “216 Interior Bunk, Sheets 1 of 3, 2 of 3 and 3 of 3” with “Interior Bunk Installation – Instructions”. It will be very helpful for anyone wanting to build a v-berth to get a copy of these drawings and assembly instructions.

In simplest terms, the v-berth is supported by the sides of the cuddy cabin and an “I-beam” type construction under the v-berth platform along the centerline of the cabin.

I am providing the following dimensions to provide a starting point for anyone wanting to build a similar v-berth. Please be aware that the dimensions provided may not be exactly the same as required for your Hunter 216, but it should be a good start for making card board templates to determine the final measurements of each piece. One can generally find card board packing boxes for refrigerators, freezers, etc. at local home improvement stores to serve as template material. Sheet 2 of 3 of the Hunter drawings provides a layout of the pieces required for the v-berth. The pieces are designated as follows:

H216 001 – Trapezoidal shape piece that serves as the major part of the top of “I beam”.

Straight side of trapezoid toward the bow – 22 1/4 in

Straight side of trapezoid toward the stern - 39 5/8 in

Center line distance between sides - 35 1/8 in

4 sided access ports to storage area under v-berth:

Side next to bow – 7 in

Side next to stern – 10 1/2 in

Distance between sides – 16 in

H216 002 – Horizontal support piece for H216 001 that is installed at an angle up against center board trunk

Top side – 52 in

Bottom side – 22 in

Distance between sides – 12 3/16 in

I had to establish the curvature of the two vertical sides with a template.

H216 003 – Rectangular piece that serves as the bottom of the “I Beam”

Width – 6 in

Length – 35 in

H216 004 – Small rectangular piece that serves to complete the top of the “I Beam”

Width – 6 in

Length – 8 1/4 in

Note: Grooves cut into H216 001, - 002, -003 and -004 are 9/16 inch wide and ~ 3/16 inch deep (cut with a dado blade on a table saw).

H216 005 – Port side floor of v-berth

Length along center line to notch around center board trunk – 70 ¾ in

Notch width – 3 1/2 in

Notch length – 11 ¾ in

Width of end from port side of cabin to side of notch – 27 ½ in.

Holes to provide access under floor of v-berth:

Side next to bow – 8 ¼ in

Side next to stern – 12 ¼ in

Distance between sides – 18 ¼ in

Distance from edge of 005 to access panel side next to stern – 16 ¼ in

H216 006 – Starboard side floor of v-berth

Length along center line – 70 ¾ in

Width at back – 28 in

Holes to provide access under floor of v-berth: Dimensions are the same as for H216 005.

Note: Port and star board sides of H216 005 and H216 006 next to cuddy cabin sides have to be cut according to the contours of the port and starboard sides of the cabin.

Dimensions that I cut the panels to are as follows:

<u>Distance to bow peak – in</u>	<u>Width of cuddy cabin – in</u>	<u>Width of H215 005/006-in</u>
12	13	6 ½
18	18 5/8	9 ¼
24	23 1/16	11 ½
30	27 5/8	13 ¾
36	32 ¼	16 1/8
42	35 7/8	17 7/8
48	40 7/8	20 3/8
54	45	22 ½
60	49	24 ½
66	52 ¾	26 3/8
70 5/8	56	28

H216 007 – Panel that provides the vertical part of the “I Beam”

Top side – 42 ¾ in

Bottom side – 36in

Right angle side – 10 in

122 ° angle side that fits into H216 002 – 12 ¾ in

H216 008 and H216 009 – Covers for access holes under the v-berth

Side next to bow – 8 ¼ in

Side next to stern – 12 ¼ in

Distance between sides – 18 ¼ in

Distance from edge of 005 to access panel side next to stern – 16 ¼ in

I used a hole saw used to install standard door locks to drill the circular holes in H216 008 and H216 009.

Materials

~ 3 sheets, nominal ½ in plywood

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Lamar Sumerlin

E-mail: lamarsumerlin1@charter.net

