

Draft Ft - Inches	Freeboard Inches	Vessel in Sea Water			Vessel in Fresh Water			Max. Cargo Height Ft avb. Dk.	Max. Cargo VCG Ft avb. dk	
		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
17	5	55.69	16,667.84	12,827.11	95.19	16,261.31	12,420.58	92.87	NA	NA
17	4	56.69	16,572.69	12,731.96	95.13	16,168.48	12,327.75	92.81	NA	NA
17	3	57.69	16,477.61	12,636.88	95.08	16,075.72	12,234.99	92.76	NA	NA
17	2	58.69	16,382.58	12,541.85	95.02	15,983.00	12,142.28	92.70	NA	NA
<b>17</b>	<b>1.50</b>	<b>59.19</b>	<b>16,335.10</b>	<b>12,494.37</b>	<b>94.99</b>	<b>15,936.68</b>	<b>12,095.96</b>	<b>92.67</b>	<b>85.33</b>	<b>23.83</b> Load Line
17	1	59.69	16,287.62	12,446.89	94.95	15,890.36	12,049.63	92.63	85.66	24.27
17	0	60.69	16,192.71	12,351.98	94.89	15,797.77	11,957.04	92.58	86.31	25.14
16	11	61.69	16,097.88	12,257.15	94.81	15,705.25	11,864.52	92.50	86.96	26.00
16	10	62.69	16,003.14	12,162.41	94.72	15,612.82	11,772.09	92.41	87.61	26.87
16	9	63.69	15,908.48	12,067.75	94.63	15,520.47	11,679.74	92.32	88.26	27.74
16	8	64.69	15,813.90	11,973.17	94.54	15,428.20	11,587.47	92.23	88.91	28.60
16	7	65.69	15,719.40	11,878.67	94.46	15,336.00	11,495.27	92.16	89.56	29.47
16	6	66.69	15,624.99	11,784.26	94.38	15,243.89	11,403.17	92.08	90.21	30.33
16	5	67.69	15,530.59	11,689.86	94.39	15,151.80	11,311.07	92.09	90.85	31.19
16	4	68.69	15,436.28	11,595.55	94.30	15,059.79	11,219.06	92.00	91.50	32.06
16	3	69.69	15,342.07	11,501.34	94.19	14,967.87	11,127.15	91.89	92.15	32.92
16	2	70.69	15,247.95	11,407.22	94.08	14,876.05	11,035.32	91.79	92.79	33.78
16	1	71.69	15,153.95	11,313.22	93.96	14,784.34	10,943.62	91.67	93.44	34.64
16	0	72.69	15,060.06	11,219.33	93.84	14,692.74	10,852.02	91.55	94.08	35.50
15	11	73.69	14,966.29	11,125.56	93.72	14,601.26	10,760.53	91.43	94.79	36.44
15	10	74.69	14,872.64	11,031.91	93.59	14,509.89	10,669.17	91.31	95.49	37.37
15	9	75.69	14,779.11	10,938.38	93.48	14,418.64	10,577.92	91.20	96.20	38.31
15	8	76.69	14,685.69	10,844.96	93.36	14,327.50	10,486.78	91.08	96.90	39.24
15	7	77.69	14,592.36	10,751.63	93.35	14,236.45	10,395.72	91.07	97.61	40.17
15	6	78.69	14,499.11	10,658.38	93.23	14,145.47	10,304.75	90.96	98.31	41.11
15	5	79.69	14,405.99	10,565.26	93.07	14,054.62	10,213.90	90.80	99.01	42.04
15	4	80.69	14,313.03	10,472.30	92.91	13,963.93	10,123.21	90.64	99.71	42.97
15	3	81.69	14,220.21	10,379.48	92.76	13,873.38	10,032.65	90.50	100.41	43.89
15	2	82.69	14,127.54	10,286.81	92.61	13,782.97	9,942.24	90.35	101.11	44.82
15	1	83.69	14,035.01	10,194.28	92.47	13,692.69	9,851.97	90.21	101.80	45.74
15	0	84.69	13,942.61	10,101.88	92.33	13,602.55	9,761.82	90.08	102.50	46.67
14	11	85.69	13,850.35	10,009.62	92.20	13,512.54	9,671.81	89.95	103.35	47.47
14	10	86.69	13,758.22	9,917.49	92.05	13,422.65	9,581.93	89.80	104.20	48.28
14	9	87.69	13,666.12	9,825.39	92.45	13,332.80	9,492.07	90.20	105.05	49.09
14	8	88.69	13,573.83	9,733.10	92.32	13,242.76	9,402.03	90.07	105.90	49.90
14	7	89.69	13,481.66	9,640.93	92.20	13,152.84	9,312.11	89.95	106.75	50.70
14	6	90.69	13,389.63	9,548.90	92.07	13,063.05	9,222.33	89.82	107.59	51.51



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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
14	5	91.69	13,297.45	9,456.72	92.17	12,973.12	9,132.40	89.92	108.44	52.32
14	4	92.69	13,205.47	9,364.74	92.01	12,883.39	9,042.66	89.77	109.29	53.12
14	3	93.69	13,113.63	9,272.90	91.85	12,793.79	8,953.06	89.61	110.14	53.93
14	2	94.69	13,021.94	9,181.21	91.71	12,704.33	8,863.61	89.47	110.98	54.73
14	1	95.69	12,930.36	9,089.63	91.57	12,614.99	8,774.26	89.34	111.82	55.53
14	0	96.69	12,838.93	8,998.20	91.43	12,525.79	8,685.06	89.20	112.67	56.33
13	11	97.69	12,747.61	8,906.88	91.31	12,436.69	8,595.97	89.08	113.59	56.80
13	10	98.69	12,656.42	8,815.69	91.18	12,347.73	8,507.00	88.96	114.51	57.26
13	9	99.69	12,565.35	8,724.62	91.07	12,258.88	8,418.15	88.85	115.43	57.72
13	8	100.69	12,474.40	8,633.67	90.95	12,170.15	8,329.42	88.73	116.35	58.18
13	7	101.69	12,383.55	8,542.82	90.85	12,081.51	8,240.79	88.63	117.27	58.64
13	6	102.69	12,292.82	8,452.09	90.74	11,993.00	8,152.27	88.53	118.19	59.09
13	5	103.69	12,202.20	8,361.47	90.62	11,904.59	8,063.86	88.41	119.10	59.55
13	4	104.69	12,111.72	8,270.99	90.49	11,816.31	7,975.59	88.28	120.02	60.01
13	3	105.69	12,021.37	8,180.64	90.35	11,728.17	7,887.44	88.15	120.93	60.47
13	2	106.69	11,931.16	8,090.43	90.23	11,640.16	7,799.43	88.03	121.85	60.92
13	1	107.69	11,841.07	8,000.34	90.10	11,552.26	7,711.54	87.90	122.76	61.38
13	0	108.69	11,751.03	7,910.30	90.20	11,464.42	7,623.69	88.00	123.67	61.83
12	11	109.69	11,661.01	7,820.28	90.03	11,376.60	7,535.87	87.83	124.69	62.34
12	10	110.69	11,571.14	7,730.41	89.87	11,288.92	7,448.19	87.68	125.71	62.85
12	9	111.69	11,481.41	7,640.68	89.72	11,201.38	7,360.65	87.53	126.73	63.36
12	8	112.69	11,391.81	7,551.08	89.58	11,113.96	7,273.23	87.40	127.75	63.87
12	7	113.69	11,302.35	7,461.62	89.44	11,026.68	7,185.96	87.26	128.76	64.38
12	6	114.69	11,213.01	7,372.28	89.31	10,939.52	7,098.80	87.13	129.78	64.89
12	5	115.69	11,123.80	7,283.07	89.18	10,852.49	7,011.76	87.00	130.79	65.39
12	4	116.69	11,034.72	7,193.99	89.06	10,765.58	6,924.85	86.89	131.80	65.90
12	3	117.69	10,945.76	7,105.03	88.93	10,678.79	6,838.06	86.76	132.81	66.41
12	2	118.69	10,856.92	7,016.19	88.80	10,592.12	6,751.39	86.63	133.82	66.91
12	1	119.69	10,768.22	6,927.49	88.65	10,505.58	6,664.85	86.49	134.83	67.41
12	0	120.69	10,679.67	6,838.94	88.50	10,419.19	6,578.46	86.34	135.83	67.92
11	11	121.69	10,591.27	6,750.54	88.33	10,332.95	6,492.22	86.18	137.09	68.55
11	10	122.69	10,503.04	6,662.31	88.16	10,246.87	6,406.14	86.01	138.35	69.18
11	9	123.69	10,414.98	6,574.25	88.00	10,160.96	6,320.23	85.85	139.61	69.80
11	8	124.69	10,327.07	6,486.34	87.84	10,075.19	6,234.46	85.70	140.86	70.43
11	7	125.69	10,239.30	6,398.57	87.94	9,989.56	6,148.83	85.80	142.11	71.05
11	6	126.69	10,151.51	6,310.78	87.75	9,903.91	6,063.19	85.61	143.36	71.68



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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
11	5	127.69	10,063.78	6,223.05	87.56	9,818.32	5,977.60	85.42	144.61	72.31
11	4	128.69	9,976.30	6,135.57	87.39	9,732.98	5,892.25	85.26	145.86	72.93
11	3	129.69	9,888.98	6,048.25	87.23	9,647.79	5,807.06	85.10	147.10	73.55
11	2	130.69	9,801.81	5,961.08	87.08	9,562.74	5,722.02	84.96	148.34	74.17
11	1	131.69	9,714.38	5,873.65	87.44	9,477.44	5,636.72	85.31	149.59	74.79
11	0	132.69	9,627.09	5,786.36	87.31	9,392.28	5,551.56	85.18	150.83	75.42
10	11	133.69	9,539.93	5,699.20	87.18	9,307.25	5,466.52	85.05	152.28	76.14
10	10	134.69	9,452.89	5,612.16	87.06	9,222.33	5,381.61	84.94	153.73	76.86
10	9	135.69	9,365.97	5,525.24	86.94	9,137.53	5,296.81	84.82	155.17	77.58
10	8	136.69	9,279.17	5,438.44	86.82	9,052.85	5,212.12	84.70	156.62	78.29
10	7	137.69	9,192.50	5,351.77	86.71	8,968.29	5,127.57	84.60	158.06	79.01
10	6	138.69	9,105.93	5,265.20	86.59	8,883.83	5,043.11	84.48	159.49	79.73
10	5	139.69	9,019.49	5,178.76	86.46	8,799.50	4,958.78	84.35	160.93	80.44
10	4	140.69	8,933.20	5,092.47	86.32	8,715.32	4,874.59	84.21	162.36	81.15
10	3	141.69	8,847.04	5,006.31	86.18	8,631.26	4,790.53	84.08	163.80	81.87
10	2	142.69	8,761.03	4,920.30	86.05	8,547.35	4,706.62	83.95	165.23	82.58
10	1	143.69	8,675.01	4,834.28	86.15	8,463.42	4,622.70	84.05	166.66	83.29
10	0	144.69	8,589.09	4,748.36	85.97	8,379.60	4,538.87	83.87	168.08	84.00
9	11	145.69	8,503.32	4,662.59	85.80	8,295.92	4,455.20	83.71	169.74	84.83
9	10	146.69	8,417.69	4,576.96	85.64	8,212.38	4,371.65	83.55	171.40	85.67
9	9	147.69	8,332.21	4,491.48	85.48	8,128.99	4,288.26	83.40	173.06	86.50
9	8	148.69	8,246.88	4,406.15	85.33	8,045.74	4,205.01	83.25	174.71	87.33
9	7	149.69	8,161.69	4,320.96	85.17	7,962.62	4,121.90	83.09	176.36	88.16
9	6	150.69	8,076.64	4,235.91	85.02	7,879.65	4,038.92	82.95	178.01	88.98
9	5	151.69	7,991.76	4,151.03	84.84	7,796.84	3,956.11	82.77	179.66	89.81
9	4	152.69	7,907.03	4,066.30	84.67	7,714.18	3,873.45	82.60	181.30	90.63
9	3	153.69	7,822.46	3,981.73	84.51	7,631.67	3,790.94	82.45	182.94	91.46
9	2	154.69	7,738.04	3,897.31	84.36	7,549.31	3,708.58	82.30	184.57	92.28
9	1	155.69	7,653.76	3,813.03	84.21	7,467.08	3,626.36	82.16	186.20	93.10
9	0	156.69	7,569.63	3,728.90	84.07	7,385.00	3,544.28	82.02	187.83	93.92
8	11	157.69	7,485.65	3,644.92	83.90	7,303.07	3,462.35	81.85	189.91	94.95
8	10	158.69	7,401.83	3,561.10	83.74	7,221.30	3,380.57	81.70	191.98	95.98
8	9	159.69	7,318.17	3,477.44	83.59	7,139.68	3,298.95	81.55	194.05	97.02
8	8	160.69	7,234.60	3,393.87	83.70	7,058.15	3,217.42	81.66	196.12	98.05
8	7	161.69	7,151.05	3,310.32	83.51	6,976.63	3,135.91	81.47	198.19	99.08
8	6	162.69	7,067.66	3,226.93	83.33	6,895.28	3,054.55	81.30	200.25	100.10





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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
8	5	163.69	6,984.33	3,143.60	83.17	6,813.98	2,973.25	81.14	202.31	101.13
8	4	164.69	6,901.13	3,060.40	83.48	6,732.81	2,892.08	81.44	204.37	102.16
8	3	165.69	6,817.84	2,977.11	83.32	6,651.55	2,810.82	81.29	206.43	103.18
8	2	166.69	6,734.71	2,893.98	83.17	6,570.45	2,729.72	81.14	208.48	104.21
8	1	167.69	6651.71	2,810.98	83.02	6,489.47	2,648.75	81.00	210.53	105.23
8	0	168.69	6,568.85	2,728.12	82.88	6,408.63	2,567.91	80.86	212.58	106.25
7	11	169.69	6,486.14	2,645.41	82.74	6,327.94	2,487.22	80.72	214.93	107.43
7	10	170.69	6,403.57	2,562.84	82.61	6,247.39	2,406.66	80.60	217.28	108.60
7	9	171.69	6,321.12	2,480.39	82.48	6,166.95	2,326.22	80.47	219.62	109.78
7	8	172.69	6,238.81	2,398.08	82.35	6,086.64	2,245.92	80.34	221.95	110.95
7	7	173.69	6,156.63	2,315.90	82.22	6,006.47	2,165.74	80.21	224.29	112.12
7	6	174.69	6,074.59	2,233.86	82.07	5,926.43	2,085.70	80.07	226.61	113.29
7	5	175.69	5,992.70	2,151.97	81.90	5,846.54	2,005.81	79.90	228.94	114.45
7	4	176.69	5,911.00	2,070.27	81.69	5,766.83	1,926.10	79.70	231.26	115.62
7	3	177.69	5,829.48	1,988.75	81.49	5,687.30	1,846.57	79.50	233.57	116.78
7	2	178.69	5,747.96	1,907.23	81.54	5,607.77	1,767.04	79.55	235.89	117.94
7	1	179.69	5,666.62	1,825.89	81.31	5,528.41	1,687.68	79.33	238.20	119.09
7	0	180.69	5,585.47	1,744.74	81.10	5,449.24	1,608.51	79.12	240.50	120.25
6	11	181.69	5,504.50	1,663.77	80.90	5,370.24	1,529.52	78.93	243.44	121.72
6	10	182.69	5,423.70	1,582.97	80.71	5,291.41	1,450.69	78.74	246.37	123.18
6	9	183.69	5,343.07	1,502.34	80.54	5,212.75	1,372.02	78.58	249.30	124.64
6	8	184.69	5,262.60	1,421.87	80.38	5,134.24	1,293.52	78.42	252.22	126.09
6	7	185.69	5,182.28	1,341.55	80.22	5,055.88	1,215.16	78.26	255.13	127.55
6	6	186.69	5,102.11	1,261.38	80.08	4,977.67	1,136.94	78.13	258.04	129.00
6	5	187.69	5,022.08	1,181.35	79.94	4,899.59	1,058.86	77.99	260.95	130.45
6	4	188.69	4,942.19	1,101.46	79.81	4,821.65	980.92	77.86	263.85	131.90
6	3	189.69	4,862.43	1,021.70	79.68	4,743.83	903.11	77.74	266.74	133.34
6	2	190.69	4,782.79	942.06	79.56	4,666.14	825.41	77.62	269.63	134.78
6	1	191.69	4,703.01	862.28	79.88	4,588.30	747.58	77.93	272.53	136.22
6	0	192.69	4,623.36	782.63	79.71	4,510.60	669.87	77.77	275.42	137.67
5	11	193.69	4,543.88	703.15	79.55	4,433.05	592.33	77.61	275.42	137.67
5	10	194.69	4,464.57	623.84	79.38	4,355.68	514.95	77.44	275.42	137.67
5	9	195.69	4,385.31	544.58	79.46	4,278.35	437.62	77.52	275.42	137.67
5	8	196.69	4,306.17	465.44	79.19	4,201.14	360.42	77.26	275.42	137.67
5	7	197.69	4,227.24	386.51	78.93	4,124.14	283.41	77.00	275.42	137.67
5	6	198.69	4,148.51	307.78	78.69	4,047.33	206.60	76.77	275.42	137.67





