

MAGNOLIA MARINE - BARGE "MM 66"

OUTLET TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET				
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		
0		0	2877.79	0	2643.20	0	2383.95	0	2124.61	0	1865.26	0	1605.92	0	1346.57	0	1087.57	0	827.89	0	568.54	0	324.06	0	125.95	0				
1/4		1/4	2875.43	1/4	2637.80	1/4	2378.55	1/4	2119.2	1/4	1859.86	1/4	1600.52	1/4	1341.17	1/4	1081.17	1/4	822.48	1/4	563.14	1/4	319.54	1/4	122.42	1/4				
1/2		1/2	2872.40	1/2	2632.40	1/2	2373.14	1/2	2113.8	1/2	1854.46	1/2	1595.11	1/2	1335.77	1/2	1076.42	1/2	817.08	1/2	557.74	1/2	315.02	1/2	118.90	1/2				
3/4		3/4	2869.36	3/4	2627.00	3/4	2367.74	3/4	2108.4	3/4	1849.05	3/4	1589.71	3/4	1330.37	3/4	1071.02	3/4	811.68	3/4	552.33	3/4	310.50	3/4	115.37	3/4				
1		1	2866.32	1	2621.60	1	2362.34	1	2102.99	1	1843.65	1	1584.31	1	1324.96	1	1065.62	1	806.27	1	546.94	1	305.98	1	111.84	1				
1/4		1/4	2863.29	1/4	2616.20	1/4	2356.94	1/4	2097.59	1/4	1838.25	1/4	1578.90	1/4	1319.56	1/4	1060.22	1/4	800.87	1/4	541.55	1/4	301.46	1/4	108.32	1/4				
1/2		1/2	2859.58	1/2	2610.80	1/2	2351.53	1/2	2092.19	1/2	1832.84	1/2	1573.50	1/2	1314.16	1/2	1054.81	1/2	795.47	1/2	536.16	1/2	296.94	1/2	104.79	1/2				
3/4		3/4	2855.87	3/4	2605.40	3/4	2346.13	3/4	2086.79	3/4	1827.44	3/4	1568.10	3/4	1308.75	3/4	1049.41	3/4	790.07	3/4	530.77	3/4	292.42	3/4	101.27	3/4				
2		2	2852.15	2	2600.00	2	2340.73	2	2081.38	2	1822.04	2	1562.69	2	1303.35	2	1044.01	2	784.66	2	525.38	2	287.90	2	97.74	2				
1/4		1/4	2848.44	1/4	2594.60	1/4	2335.32	1/4	2075.98	1/4	1816.64	1/4	1557.29	1/4	1297.95	1/4	1038.60	1/4	779.26	1/4	519.99	1/4	283.38	1/4	94.21	1/4				
1/2		1/2	2844.06	1/2	2589.19	1/2	2329.92	1/2	2070.58	1/2	1811.23	1/2	1551.89	1/2	1292.54	1/2	1033.20	1/2	773.86	1/2	514.60	1/2	278.86	1/2	90.69	1/2				
3/4		3/4	2839.67	3/4	2583.79	3/4	2324.52	3/4	2065.17	3/4	1805.83	3/4	1546.49	3/4	1287.14	3/4	1027.80	3/4	768.45	3/4	509.21	3/4	274.34	3/4	87.16	3/4				
3		3	2835.28	3	2578.39	3	2319.11	3	2059.77	3	1800.43	3	1541.08	3	1281.74	3	1022.39	3	763.05	3	503.95	3	270.06	3	83.88	3				
1/4		1/4	2830.89	1/4	2572.99	1/4	2313.71	1/4	2054.37	1/4	1795.02	1/4	1535.68	1/4	1276.34	1/4	1016.99	1/4	757.65	1/4	498.68	1/4	265.79	1/4	80.60	1/4				
1/2		1/2	2825.83	1/2	2567.59	1/2	2308.31	1/2	2048.96	1/2	1789.62	1/2	1530.28	1/2	1270.93	1/2	1011.59	1/2	752.24	1/2	493.42	1/2	261.52	1/2	77.32	1/2				
3/4		3/4	2820.76	3/4	2562.19	3/4	2302.91	3/4	2043.56	3/4	1784.22	3/4	1524.87	3/4	1265.53	3/4	1006.19	3/4	746.84	3/4	488.15	3/4	257.25	3/4	74.05	3/4				
4		4	2815.7	4	2556.79	4	2297.5	4	2038.16	4	1778.81	4	1519.47	4	1260.13	4	1000.78	4	741.44	4	482.88	4	252.97	4	70.77	4				
1/4		1/4	2810.64	1/4	2551.39	1/4	2292.1	1/4	2032.76	1/4	1773.41	1/4	1514.07	1/4	1254.72	1/4	995.38	1/4	736.04	1/4	477.62	1/4	248.70	1/4	67.49	1/4				
1/2		1/2	2805.23	1/2	2545.99	1/2	2286.7	1/2	2027.35	1/2	1768.01	1/2	1508.66	1/2	1249.32	1/2	989.98	1/2	730.63	1/2	472.35	1/2	244.43	1/2	64.21	1/2				
3/4		3/4	2799.43	3/4	2540.59	3/4	2281.29	3/4	2021.95	3/4	1762.61	3/4	1503.26	3/4	1243.92	3/4	984.57	3/4	725.23	3/4	467.09	3/4	240.15	3/4	60.93	3/4				
5		5	2794.43	5	2535.18	5	2275.89	5	2016.55	5	1757.2	5	1497.86	5	1238.51	5	979.17	5	719.83	5	461.82	5	235.88	5	57.65	5				
1/4		1/4	2789.03	1/4	2529.78	1/4	2270.49	1/4	2011.14	1/4	1751.8	1/4	1492.46	1/4	1233.11	1/4	973.77	1/4	714.42	1/4	456.55	1/4	231.61	1/4	54.37	1/4				
1/2		1/2	2783.63	1/2	2524.38	1/2	2265.08	1/2	2005.74	1/2	1746.4	1/2	1487.05	1/2	1227.71	1/2	968.36	1/2	709.02	1/2	451.29	1/2	227.33	1/2	51.09	1/2				
3/4		3/4	2778.23	3/4	2518.98	3/4	2259.68	3/4	2000.34	3/4	1740.99	3/4	1481.65	3/4	1222.31	3/4	962.96	3/4	703.62	3/4	446.02	3/4	223.06	3/4	47.81	3/4				
6		6	2772.83	6	2513.58	6	2254.28	6	1994.93	6	1735.59	6	1476.25	6	1216.90	6	957.56	6	698.21	6	441.00	6	219.04	6	44.78	6				
1/4		1/4	2767.43	1/4	2508.18	1/4	2248.88	1/4	1989.53	1/4	1730.19	1/4	1470.84	1/4	1211.50	1/4	952.16	1/4	692.81	1/4	435.99	1/4	215.02	1/4	41.76	1/4				
1/2		1/2	2762.03	1/2	2502.78	1/2	2243.47	1/2	1984.13	1/2	1724.78	1/2	1465.44	1/2	1206.10	1/2	946.75	1/2	687.41	1/2	430.97	1/2	210.99	1/2	38.73	1/2				
3/4		3/4	2756.63	3/4	2497.38	3/4	2238.07	3/4	1978.73	3/4	1719.38	3/4	1460.04	3/4	1200.69	3/4	941.35	3/4	682.01	3/4	425.95	3/4	206.97	3/4	35.70	3/4				
7		7	2751.22	7	2491.98	7	2232.67	7	1973.32	7	1713.98	7	1454.63	7	1195.29	7	935.95	7	676.60	7	420.94	7	202.95	7	32.89	7				
1/4		1/4	2745.82	1/4	2486.58	1/4	2227.26	1/4	1967.92	1/4	1708.58	1/4	1449.23	1/4	1189.89	1/4	930.54	1/4	671.20	1/4	415.92	1/4	198.92	1/4	30.09	1/4				
1/2		1/2	2740.42	1/2	2481.17	1/2	2221.86	1/2	1962.52	1/2	1703.17	1/2	1443.83	1/2	1184.48	1/2	925.14	1/2	665.80	1/2	410.90	1/2	194.90	1/2	27.28	1/2				
3/4		3/4	2735.02	3/4	2475.77	3/4	2216.46	3/4	1957.11	3/4	1697.77	3/4	1438.43	3/4	1179.08	3/4	919.74	3/4	660.39	3/4	405.89	3/4	190.88	3/4	24.48	3/4				
8		8	2729.62	8	2470.37	8	2211.05	8	1951.71	8	1692.37	8	1433.02	8	1173.68	8	914.33	8	654.99	8	400.87	8	186.85	8	22.11	8				
1/4	2897.00	1/4	2724.22	1/4	2464.97	1/4	2205.65	1/4	1946.31	1/4	1686.96	1/4	1427.62	1/4	1168.28	1/4	908.93	1/4	649.59	1/4	395.85	1/4	182.83	1/4	19.75	1/4				
1/2	2896.66	1/2	2718.82	1/2	2459.57	1/2	2200.25	1/2	1940.9	1/2	1681.56	1/2	1422.22	1/2	1162.87	1/2	903.53	1/2	644.18	1/2	390.83	1/2	178.81	1/2	17.38	1/2				
3/4	2896.33	3/4	2713.42	3/4	2454.17	3/4	2194.85	3/4	1935.50	3/4	1676.16	3/4	1416.81	3/4	1157.47	3/4	898.13	3/4	638.78	3/4	385.82	3/4	174.79	3/4	15.02	3/4				
9	2896.00	9	2708.02	9	2448.77	9	2189.44	9	1930.10	9	1670.75	9	1411.41	9	1152.07	9	892.72	9	633.38	9	381.05	9	171.01	9	13.35	9				
1/4	2895.67	1/4	2702.62	1/4	2443.37	1/4	2184.04	1/4	1924.7	1/4	1665.35	1/4	1406.01	1/4	1146.66	1/4	887.32	1/4	627.98	1/4	376.28	1/4	167.23	1/4	11.69	1/4				
1/2	2894.66	1/2	2697.21	1/2	2437.97	1/2	2178.64	1/2	1919.29	1/2	1659.95	1/2	1400.60	1/2	1141.26	1/2	881.92	1/2	622.57	1/2	371.51	1/2	163.46	1/2	*10.02	1/2				
3/4	2893.64	3/4	2691.81	3/4	2432.57	3/4	2173.23	3/4	1913.89	3/4	1654.55	3/4	1395.59	3/4	1135.86	3/4	876.51	3/4	617.17	3/4	366.74	3/4	159.68	3/4		3/4				
10	2892.63	10	2686.41	10	2427.16	10	2167.83	10	1908.49	10	1649.14	10	1389.8	10	1130.45	10	871.11	10	611.77	10	361.97	10								

MAGNOLIA MARINE - BARGE "MM 66"

OUTLET TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0		0	3316.03	0	3055.43	0	2771.12	0	2486.72	0	2202.32	0	1917.92	0	1633.52	0	1349.38	0	1065.2	0	780.80	0	496.4	0	212	0			
1/4		1/4	3312.7	1/4	3049.50	1/4	2765.19	1/4	2480.79	1/4	2196.39	1/4	1911.99	1/4	1627.59	1/4	1343.46	1/4	1059.27	1/4	774.87	1/4	490.47	1/4	206.07	1/4			
1/2		1/2	3309.37	1/2	3043.58	1/2	2759.27	1/2	2474.87	1/2	2190.47	1/2	1906.07	1/2	1621.67	1/2	1337.55	1/2	1053.35	1/2	768.95	1/2	484.55	1/2	200.15	1/2			
3/4		3/4	3306.04	3/4	3037.66	3/4	2753.34	3/4	2468.94	3/4	2184.54	3/4	1900.14	3/4	1615.74	3/4	1331.63	3/4	1047.42	3/4	763.02	3/4	478.62	3/4	194.28	3/4			
1		1	3302.71	1	3031.74	1	2747.42	1	2463.02	1	2178.62	1	1894.22	1	1609.82	1	1325.72	1	1041.5	1	757.10	1	472.7	1	188.42	1			
1/4		1/4	3298.64	1/4	3025.81	1/4	2741.49	1/4	2457.09	1/4	2172.69	1/4	1888.29	1/4	1603.89	1/4	1319.8	1/4	1035.57	1/4	751.17	1/4	466.77	1/4	182.56	1/4			
1/2		1/2	3294.56	1/2	3019.89	1/2	2735.57	1/2	2451.17	1/2	2166.77	1/2	1882.37	1/2	1597.97	1/2	1313.89	1/2	1029.65	1/2	745.25	1/2	460.85	1/2	176.69	1/2			
3/4		3/4	3290.49	3/4	3013.97	3/4	2729.64	3/4	2445.24	3/4	2160.84	3/4	1876.44	3/4	1592.04	3/4	1307.97	3/4	1023.72	3/4	739.32	3/4	454.92	3/4	170.83	3/4			
2		2	3286.42	2	3008.04	2	2723.72	2	2439.32	2	2154.92	2	1870.52	2	1586.12	2	1302.06	2	1017.8	2	733.40	2	449.00	2	164.97	2			
1/4		1/4	3281.61	1/4	3002.12	1/4	2717.79	1/4	2433.39	1/4	2148.99	1/4	1864.59	1/4	1580.19	1/4	1296.14	1/4	1011.87	1/4	727.47	1/4	443.07	1/4	159.1	1/4			
1/2		1/2	3276.8	1/2	2996.20	1/2	2711.87	1/2	2427.47	1/2	2143.07	1/2	1858.67	1/2	1574.27	1/2	1290.23	1/2	1005.95	1/2	721.55	1/2	437.15	1/2	153.24	1/2			
3/4		3/4	3271.99	3/4	2990.27	3/4	2705.94	3/4	2421.54	3/4	2137.14	3/4	1852.74	3/4	1568.34	3/4	1284.31	3/4	1000.02	3/4	715.62	3/4	431.22	3/4	147.38	3/4			
3		3	3267.18	3	2984.35	3	2700.02	3	2415.62	3	2131.22	3	1846.82	3	1562.42	3	1278.4	3	994.1	3	709.70	3	425.3	3	141.52	3			
1/4		1/4	3261.62	1/4	2978.43	1/4	2694.09	1/4	2409.69	1/4	2125.29	1/4	1840.89	1/4	1556.49	1/4	1272.48	1/4	988.17	1/4	703.77	1/4	419.37	1/4	135.65	1/4			
1/2		1/2	3256.07	1/2	2972.51	1/2	2688.17	1/2	2403.77	1/2	2119.37	1/2	1834.97	1/2	1550.57	1/2	1266.57	1/2	982.25	1/2	697.85	1/2	413.45	1/2	129.79	1/2			
3/4		3/4	3250.52	3/4	2966.58	3/4	2682.24	3/4	2397.84	3/4	2113.44	3/4	1829.04	3/4	1544.64	3/4	1260.65	3/4	976.32	3/4	691.92	3/4	407.52	3/4	123.93	3/4			
4		4	3244.96	4	2960.66	4	2676.32	4	2391.92	4	2107.52	4	1823.12	4	1538.72	4	1254.74	4	970.4	4	686.00	4	401.6	4	118.06	4			
1/4		1/4	3239.04	1/4	2954.74	1/4	2670.39	1/4	2385.99	1/4	2101.59	1/4	1817.19	1/4	1532.79	1/4	1248.82	1/4	964.47	1/4	680.07	1/4	395.67	1/4	112.2	1/4			
1/2		1/2	3233.04	1/2	2948.81	1/2	2664.47	1/2	2380.07	1/2	2095.67	1/2	1811.27	1/2	1526.87	1/2	1242.91	1/2	958.55	1/2	674.15	1/2	389.75	1/2	106.34	1/2			
3/4		3/4	3227.19	3/4	2942.89	3/4	2658.54	3/4	2374.14	3/4	2089.74	3/4	1805.34	3/4	1520.94	3/4	1236.99	3/4	952.62	3/4	668.22	3/4	383.82	3/4	100.47	3/4			
5		5	3221.27	5	2936.97	5	2652.62	5	2368.22	5	2083.82	5	1799.42	5	1515.02	5	1231.08	5	946.7	5	662.30	5	377.9	5	94.61	5			
1/4		1/4	3215.35	1/4	2931.04	1/4	2646.69	1/4	2362.29	1/4	2077.89	1/4	1793.49	1/4	1509.02	1/4	1225.16	1/4	940.77	1/4	656.37	1/4	371.97	1/4	88.75	1/4			
1/2		1/2	3209.43	1/2	2925.12	1/2	2640.77	1/2	2356.37	1/2	2071.97	1/2	1787.57	1/2	1503.17	1/2	1219.25	1/2	934.85	1/2	650.45	1/2	366.05	1/2	82.89	1/2			
3/4		3/4	3203.5	3/4	2919.20	3/4	2634.84	3/4	2350.44	3/4	2066.04	3/4	1781.64	3/4	1497.25	3/4	1213.32	3/4	928.92	3/4	644.52	3/4	360.12	3/4	77.02	3/4			
6		6	3197.58	6	2913.28	6	2628.92	6	2344.52	6	2060.12	6	1775.72	6	1491.34	6	1207.4	6	923	6	638.60	6	354.5	6	71.16	6			
1/4		1/4	3191.66	1/4	2907.35	1/4	2622.99	1/4	2338.59	1/4	2054.19	1/4	1769.79	1/4	1485.42	1/4	1201.47	1/4	917.07	1/4	632.67	1/4	348.27	1/4	65.3	1/4			
1/2		1/2	3185.73	1/2	2901.43	1/2	2617.07	1/2	2332.67	1/2	2048.27	1/2	1763.87	1/2	1479.51	1/2	1195.55	1/2	911.15	1/2	626.75	1/2	342.32	1/2	59.43	1/2			
3/4		3/4	3179.81	3/4	2895.51	3/4	2611.14	3/4	2326.74	3/4	2042.34	3/4	1757.94	3/4	1473.59	3/4	1189.62	3/4	905.22	3/4	620.82	3/4	336.42	3/4	54.16	3/4			
7		7	3173.89	7	2889.58	7	2605.22	7	2320.82	7	2036.42	7	1752.02	7	1467.68	7	1183.7	7	899.30	7	614.90	7	330.5	7	48.89	7			
1/4		1/4	3167.96	1/4	2883.66	1/4	2599.29	1/4	2314.89	1/4	2030.49	1/4	1746.09	1/4	1461.76	1/4	1177.77	1/4	893.37	1/4	608.97	1/4	324.57	1/4	43.62	1/4			
1/2		1/2	3162.04	1/2	2877.74	1/2	2593.29	1/2	2308.04	1/2	2024.57	1/2	1740.17	1/2	1455.85	1/2	1171.85	1/2	887.45	1/2	603.05	1/2	318.65	1/2	38.65	1/2			
3/4		3/4	3156.12	3/4	2871.81	3/4	2587.44	3/4	2303.04	3/4	2018.64	3/4	1734.24	3/4	1449.93	3/4	1165.92	3/4	881.52	3/4	597.12	3/4	312.72	3/4	34.21	3/4			
8	3339.71	8	3150.2	8	2865.89	8	2581.52	8	2297.12	8	2012.72	8	1728.32	8	1444.02	8	1160	8	875.6	8	591.2	8	306.8	8	30.06	8			
1/4	3339.34	1/4	3144.27	1/4	2859.97	1/4	2575.59	1/4	2291.19	1/4	2006.79	1/4	1722.39	1/4	1438.10	1/4	1154.07	1/4	869.67	1/4	585.27	1/4	300.87	1/4	25.91	1/4			
1/2	3338.97	1/2	3138.35	1/2	2854.05	1/2	2569.67	1/2	2285.27	1/2	2000.87	1/2	1716.47	1/2	1432.19	1/2	1148.15	1/2	863.75	1/2	579.35	1/2	294.95	1/2	21.77	1/2			
3/4	3338.60	3/4	3132.43	3/4	2848.12	3/4	2563.74	3/4	2279.34	3/4	1994.94	3/4	1710.54	3/4	1426.27	3/4	1142.22	3/4	857.82	3/4	573.42	3/4	289.02	3/4	18.80	3/4			
9	3338.23	9	3126.50	9	2842.20	9	2557.82	9	2273.42	9	1989.02	9	1704.62	9	1420.36	9	1136.30	9	851.90	9	567.50	9	283.10	9	*15.84	9			
1/4	3337.12	1/4	3120.58	1/4	2836.28	1/4	2551.89	1/4	2267.49	1/4	1983.09	1/4	1698.69	1/4	1414.44	1/4	1130.37	1/4	845.97	1/4	561.57	1/4	277.17	1/4		1/4			
1/2	3336.01	1/2	3114.66	1/2	2830.35	1/2	2545.97	1/2	2261.57	1/2	1977.17	1/2	1692.77	1/2	1408.53	1/2	1124.45	1/2	840.05	1/2	555.65	1/2	271.25	1/2		1/2			
3/4	3334.90	3/4	3108.73	3/4	2824.43	3/4	2540.04	3/4	2255.64	3/4	1971.24	3/4	1686.84	3/4	1402.61	3/4	1118.52	3/4	834.12	3/4	549.72	3/4	265.32	3/4		3/4			
10	3333.8	10	3102.81	10	2818.51	10	2534.12	10	2249.72	10	1965.32	10	1680.92	10	1396.7	10	1112.6	<											

MAGNOLIA MARINE - BARGE "MM 66"

OUTLET TABLE

3 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET				
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		
0		0	3306.6	0	3038.18	0	2753.81	0	2469.36	0	2184.92	0	1900.47	0	1616.02	0	1331.86	0	1047.6	0	763.19	0	478.71	0	194.32	0				
1/4		1/4	3303.27	1/4	3032.25	1/4	2747.89	1/4	2463.44	1/4	2178.99	1/4	1894.54	1/4	1610.09	1/4	1325.95	1/4	1041.68	1/4	757.23	1/4	472.78	1/4	188.46	1/4				
1/2		1/2	3299.19	1/2	3026.33	1/2	2741.96	1/2	2457.51	1/2	2173.06	1/2	1888.62	1/2	1604.17	1/2	1320.03	1/2	1035.75	1/2	751.30	1/2	466.86	1/2	182.59	1/2				
3/4		3/4	3295.12	3/4	3020.14	3/4	2736.03	3/4	2451.59	3/4	2167.14	3/4	1882.69	3/4	1598.24	3/4	1314.11	3/4	1029.83	3/4	745.38	3/4	460.93	3/4	176.73	3/4				
1		1	3291.05	1	3014.48	1	2730.11	1	2445.66	1	2161.21	1	1876.76	1	1592.32	1	1308.2	1	1023.9	1	739.45	1	455	1	170.87	1				
1/4		1/4	3286.98	1/4	3008.56	1/4	2724.18	1/4	2439.73	1/4	2155.29	1/4	1870.84	1/4	1586.39	1/4	1302.28	1/4	1017.97	1/4	733.53	1/4	449.08	1/4	165	1/4				
1/2		1/2	3282.17	1/2	3002.63	1/2	2718.26	1/2	2433.81	1/2	2149.36	1/2	1864.91	1/2	1580.46	1/2	1296.37	1/2	1012.05	1/2	727.60	1/2	443.15	1/2	159.14	1/2				
3/4		3/4	3277.35	3/4	2996.71	3/4	2712.33	3/4	2427.88	3/4	2143.43	3/4	1858.99	3/4	1574.54	3/4	1290.45	3/4	1006.12	3/4	721.67	3/4	437.23	3/4	153.27	3/4				
2		2	3272.54	2	2990.79	2	2706.4	2	2421.96	2	2137.51	2	1853.06	2	1568.61	2	1284.53	2	1000.2	2	715.75	2	431.30	2	147.41	2				
1/4		1/4	3267.73	1/4	2984.86	1/4	2700.48	1/4	2416.03	1/4	2131.58	1/4	1847.13	1/4	1562.69	1/4	1278.62	1/4	994.27	1/4	709.82	1/4	425.37	1/4	141.55	1/4				
1/2		1/2	3262.18	1/2	2978.94	1/2	2694.55	1/2	2410.1	1/2	2125.66	1/2	1841.21	1/2	1556.76	1/2	1272.70	1/2	988.34	1/2	703.90	1/2	419.45	1/2	135.68	1/2				
3/4		3/4	3256.62	3/4	2973.01	3/4	2688.63	3/4	2404.18	3/4	2119.73	3/4	1835.28	3/4	1550.83	3/4	1266.79	3/4	982.42	3/4	697.97	3/4	413.52	3/4	129.82	3/4				
3		3	3251.07	3	2967.09	3	2682.7	3	2398.25	3	2113.8	3	1829.36	3	1544.91	3	1260.87	3	976.49	3	692.04	3	407.6	3	123.95	3				
1/4		1/4	3245.52	1/4	2961.17	1/4	2676.77	1/4	2392.33	1/4	2107.88	1/4	1823.43	1/4	1538.98	1/4	1254.95	1/4	970.57	1/4	686.12	1/4	401.67	1/4	118.09	1/4				
1/2		1/2	3239.59	1/2	2955.24	1/2	2670.85	1/2	2386.4	1/2	2101.95	1/2	1817.5	1/2	1533.06	1/2	1249.04	1/2	964.64	1/2	680.19	1/2	395.74	1/2	112.23	1/2				
3/4		3/4	3233.67	3/4	2949.32	3/4	2664.92	3/4	2380.47	3/4	2096.03	3/4	1811.58	3/4	1527.13	3/4	1243.12	3/4	958.71	3/4	674.27	3/4	389.82	3/4	106.36	3/4				
4		4	3227.75	4	2943.39	4	2659	4	2374.55	4	2090.1	4	1805.65	4	1521.2	4	1237.21	4	952.79	4	668.34	4	383.89	4	100.5	4				
1/4		1/4	3221.82	1/4	2937.47	1/4	2653.07	1/4	2368.62	1/4	2084.17	1/4	1799.73	1/4	1515.28	1/4	1231.29	1/4	946.86	1/4	662.41	1/4	377.97	1/4	94.63	1/4				
1/2		1/2	3215.9	1/2	2931.55	1/2	2647.14	1/2	2362.7	1/2	2078.25	1/2	1793.8	1/2	1509.35	1/2	1225.37	1/2	940.94	1/2	656.49	1/2	372.04	1/2	88.77	1/2				
3/4		3/4	3209.97	3/4	2925.62	3/4	2641.22	3/4	2356.77	3/4	2072.32	3/4	1787.87	3/4	1503.43	3/4	1219.46	3/4	935.01	3/4	650.56	3/4	366.11	3/4	82.91	3/4				
5		5	3204.05	5	2919.70	5	2635.29	5	2350.84	5	2066.4	5	1781.95	5	1497.51	5	1213.53	5	929.08	5	644.64	5	360.19	5	77.04	5				
1/4		1/4	3198.13	1/4	2913.77	1/4	2629.37	1/4	2344.92	1/4	2060.47	1/4	1776.02	1/4	1491.59	1/4	1207.61	1/4	923.16	1/4	638.71	1/4	354.26	1/4	71.18	1/4				
1/2		1/2	3192.2	1/2	2907.85	1/2	2623.44	1/2	2338.99	1/2	2054.54	1/2	1770.1	1/2	1485.68	1/2	1201.68	1/2	917.23	1/2	632.78	1/2	348.34	1/2	65.31	1/2				
3/4		3/4	3186.28	3/4	2901.95	3/4	2617.51	3/4	2333.07	3/4	2048.62	3/4	1764.17	3/4	1479.76	3/4	1195.75	3/4	911.31	3/4	626.86	3/4	342.41	3/4	59.45	3/4				
6		6	3180.35	6	2896.00	6	2611.59	6	2327.14	6	2042.69	6	1758.24	6	1473.85	6	1189.83	6	905.38	6	620.93	6	336.48	6	54.18	6				
1/4		1/4	3174.43	1/4	2890.08	1/4	2605.66	1/4	2321.21	1/4	2036.77	1/4	1752.32	1/4	1467.93	1/4	1183.9	1/4	899.45	1/4	615.01	1/4	330.56	1/4	48.91	1/4				
1/2		1/2	3168.51	1/2	2884.15	1/2	2599.74	1/2	2315.29	1/2	2030.84	1/2	1746.39	1/2	1462.01	1/2	1177.98	1/2	893.53	1/2	609.08	1/2	324.63	1/2	43.63	1/2				
3/4		3/4	3162.58	3/4	2878.23	3/4	2593.81	3/4	2309.36	3/4	2024.91	3/4	1740.47	3/4	1456.1	3/4	1172.05	3/4	887.6	3/4	603.15	3/4	318.71	3/4	38.36	3/4				
7		7	3156.66	7	2872.31	7	2587.88	7	2303.44	7	2018.99	7	1734.54	7	1450.18	7	1166.12	7	881.68	7	597.23	7	312.78	7	34.21	7				
1/4	3340.02	1/4	3150.73	1/4	2866.38	1/4	2581.96	1/4	2297.51	1/4	2013.06	1/4	1728.61	1/4	1444.27	1/4	1160.2	1/4	875.75	1/4	591.30	1/4	306.85	1/4	30.07	1/4				
1/2	3339.68	1/2	3144.81	1/2	2860.46	1/2	2576.03	1/2	2291.58	1/2	2007.14	1/2	1722.69	1/2	1438.35	1/2	1154.2	1/2	869.82	1/2	585.38	1/2	300.93	1/2	25.92	1/2				
3/4	3339.34	3/4	3138.89	3/4	2854.53	3/4	2570.11	3/4	2285.66	3/4	2001.21	3/4	1716.76	3/4	1432.43	3/4	1148.35	3/4	863.9	3/4	579.45	3/4	295	3/4	21.77	3/4				
8	3339	8	3132.96	8	2848.61	8	2564.18	8	2279.73	8	1995.28	8	1710.84	8	1426.52	8	1142.42	8	857.97	8	573.52	8	289.08	8	18.81	8				
1/4	3338.66	1/4	3127.04	1/4	2842.69	1/4	2558.25	1/4	2273.81	1/4	1989.36	1/4	1704.91	1/4	1420.60	1/4	1136.49	1/4	852.05	1/4	567.60	1/4	283.15	1/4	*15.84	1/4				
1/2	3337.55	1/2	3121.11	1/2	2836.76	1/2	2552.33	1/2	2267.88	1/2	1983.43	1/2	1698.98	1/2	1414.69	1/2	1130.57	1/2	846.12	1/2	561.67	1/2	277.55	1/2		1/2				
3/4	3336.44	3/4	3115.19	3/4	2830.84	3/4	2546.40	3/4	2261.95	3/4	1977.51	3/4	1693.06	3/4	1408.77	3/4	1124.64	3/4	840.19	3/4	555.75	3/4	271.30	3/4		3/4				
9	3335.33	9	3109.27	9	2824.91	9	2540.48	9	2256.03	9	1971.58	9	1687.13	9	1402.85	9	1118.72	9	834.27	9	549.82	9	265.37	9		9				
1/4																														

MAGNOLIA MARINE - BARGE "MM 66"

OUTAGE TABLE

3 STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET		
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.
0		0	3313.26	0	3050.03	0	2756.66	0	2481.22	0	2196.77	0	1912.32	0	1627.87	0	1343.69	0	1059.46	0	775.01	0	490.56	0	206.11	0		
1/4		1/4	3309.93	1/4	3044.10	1/4	2759.74	1/4	2475.29	1/4	2190.84	1/4	1906.39	1/4	1621.95	1/4	1337.78	1/4	1053.53	1/4	769.08	1/4	484.63	1/4	200.19	1/4		
1/2		1/2	3306.60	1/2	3038.18	1/2	2753.81	1/2	2469.36	1/2	2184.92	1/2	1900.47	1/2	1616.02	1/2	1331.86	1/2	1047.6	1/2	763.16	1/2	478.71	1/2	194.32	1/2		
3/4		3/4	3303.27	3/4	3032.25	3/4	2747.89	3/4	2463.44	3/4	2178.99	3/4	1894.54	3/4	1610.09	3/4	1325.95	3/4	1041.68	3/4	757.23	3/4	472.78	3/4	188.45	3/4		
1		1	3299.19	1	3026.33	1	2741.96	1	2457.51	1	2173.06	1	1888.62	1	1604.17	1	1320.03	1	1035.75	1	751.00	1	466.86	1	182.59	1		
1/4		1/4	3295.12	1/4	3020.11	1/4	2736.03	1/4	2451.59	1/4	2167.14	1/4	1882.69	1/4	1598.24	1/4	1314.11	1/4	1029.83	1/4	745.38	1/4	460.93	1/4	176.73	1/4		
1/2		1/2	3291.05	1/2	3014.48	1/2	2730.11	1/2	2445.66	1/2	2161.21	1/2	1876.76	1/2	1592.32	1/2	1308.2	1/2	1023.9	1/2	739.45	1/2	455	1/2	170.87	1/2		
3/4		3/4	3286.98	3/4	3008.56	3/4	2724.18	3/4	2439.73	3/4	2155.29	3/4	1870.84	3/4	1586.39	3/4	1302.28	3/4	1017.97	3/4	733.53	3/4	449.08	3/4	165	3/4		
2		2	3282.17	2	3002.63	2	2718.26	2	2433.81	2	2149.36	2	1864.91	2	1580.46	2	1296.37	2	1012.05	2	727.60	2	443.15	2	159.14	2		
1/4		1/4	3277.35	1/4	2996.71	1/4	2712.33	1/4	2427.88	1/4	2143.43	1/4	1858.99	1/4	1574.54	1/4	1290.45	1/4	1006.12	1/4	721.67	1/4	437.23	1/4	153.27	1/4		
1/2		1/2	3272.54	1/2	2990.79	1/2	2706.4	1/2	2421.96	1/2	2137.51	1/2	1853.06	1/2	1568.61	1/2	1284.53	1/2	1000.2	1/2	715.75	1/2	431.3	1/2	147.41	1/2		
3/4		3/4	3267.73	3/4	2984.86	3/4	2700.48	3/4	2416.03	3/4	2131.58	3/4	1847.13	3/4	1562.69	3/4	1278.62	3/4	994.27	3/4	709.82	3/4	425.37	3/4	141.55	3/4		
3		3	3262.18	3	2978.94	3	2694.55	3	2410.1	3	2125.66	3	1841.21	3	1556.76	3	1272.7	3	988.34	3	703.90	3	419.45	3	135.68	3		
1/4		1/4	3256.62	1/4	2973.01	1/4	2688.63	1/4	2404.18	1/4	2119.73	1/4	1835.28	1/4	1550.83	1/4	1266.79	1/4	982.42	1/4	697.97	1/4	413.52	1/4	129.82	1/4		
1/2		1/2	3251.07	1/2	2967.09	1/2	2682.7	1/2	2398.25	1/2	2113.8	1/2	1829.36	1/2	1544.91	1/2	1260.87	1/2	976.49	1/2	692.04	1/2	407.6	1/2	123.95	1/2		
3/4		3/4	3245.52	3/4	2961.17	3/4	2676.77	3/4	2392.33	3/4	2107.88	3/4	1823.43	3/4	1538.98	3/4	1254.95	3/4	970.57	3/4	686.12	3/4	401.67	3/4	118.09	3/4		
4		4	3239.59	4	2955.24	4	2670.85	4	2386.4	4	2101.95	4	1817.5	4	1533.06	4	1249.04	4	964.64	4	680.19	4	395.74	4	112.23	4		
1/4		1/4	3233.67	1/4	2949.32	1/4	2664.92	1/4	2380.47	1/4	2096.03	1/4	1811.58	1/4	1527.13	1/4	1243.12	1/4	958.71	1/4	674.27	1/4	389.82	1/4	106.36	1/4		
1/2		1/2	3227.75	1/2	2943.39	1/2	2659	1/2	2374.55	1/2	2090.1	1/2	1805.65	1/2	1521.2	1/2	1237.21	1/2	952.79	1/2	668.41	1/2	383.89	1/2	100.5	1/2		
3/4		3/4	3221.82	3/4	2937.47	3/4	2653.07	3/4	2368.62	3/4	2084.17	3/4	1799.73	3/4	1515.28	3/4	1231.29	3/4	946.86	3/4	662.41	3/4	377.97	3/4	94.63	3/4		
5		5	3215.9	5	2931.55	5	2647.14	5	2362.7	5	2078.25	5	1793.8	5	1509.35	5	1225.37	5	940.94	5	656.49	5	372.04	5	88.77	5		
1/4		1/4	3209.97	1/4	2925.62	1/4	2641.22	1/4	2356.77	1/4	2072.32	1/4	1787.87	1/4	1503.43	1/4	1219.46	1/4	935.01	1/4	650.56	1/4	366.11	1/4	82.91	1/4		
1/2		1/2	3204.05	1/2	2919.70	1/2	2635.29	1/2	2350.84	1/2	2066.4	1/2	1781.95	1/2	1497.51	1/2	1213.53	1/2	929.08	1/2	644.64	1/2	360.19	1/2	77.04	1/2		
3/4		3/4	3198.13	3/4	2913.77	3/4	2629.37	3/4	2344.92	3/4	2060.47	3/4	1776.02	3/4	1491.59	3/4	1207.61	3/4	923.16	3/4	638.71	3/4	354.26	3/4	71.18	3/4		
6		6	3192.2	6	2907.85	6	2623.44	6	2338.99	6	2054.54	6	1770.1	6	1485.68	6	1201.68	6	917.23	6	632.78	6	348.34	6	65.31	6		
1/4		1/4	3186.28	1/4	2901.93	1/4	2617.51	1/4	2333.07	1/4	2048.62	1/4	1764.17	1/4	1479.76	1/4	1195.75	1/4	911.31	1/4	626.86	1/4	342.41	1/4	59.45	1/4		
1/2		1/2	3180.35	1/2	2896.00	1/2	2611.59	1/2	2327.14	1/2	2042.69	1/2	1758.24	1/2	1473.85	1/2	1189.83	1/2	905.38	1/2	620.93	1/2	336.48	1/2	54.18	1/2		
3/4		3/4	3174.43	3/4	2890.08	3/4	2605.66	3/4	2321.21	3/4	2036.77	3/4	1752.32	3/4	1467.93	3/4	1183.9	3/4	899.45	3/4	615.01	3/4	330.56	3/4	48.91	3/4		
7		7	3168.51	7	2884.15	7	2599.74	7	2315.29	7	2030.84	7	1746.39	7	1462.01	7	1177.98	7	893.53	7	609.08	7	324.63	7	43.63	7		
1/4		1/4	3162.58	1/4	2878.23	1/4	2593.81	1/4	2309.36	1/4	2024.91	1/4	1740.47	1/4	1456.1	1/4	1172.05	1/4	887.60	1/4	603.15	1/4	318.71	1/4	38.36	1/4		
1/2		1/2	3156.66	1/2	2872.31	1/2	2587.88	1/2	2303.44	1/2	2018.99	1/2	1734.54	1/2	1450.18	1/2	1166.12	1/2	881.68	1/2	597.23	1/2	312.78	1/2	34.21	1/2		
3/4	3340.02	3/4	3150.73	3/4	2866.38	3/4	2581.96	3/4	2297.51	3/4	2013.06	3/4	1728.61	3/4	1444.27	3/4	1160.2	3/4	875.75	3/4	591.30	3/4	306.85	3/4	30.07	3/4		
8	3339.68	8	3144.81	8	2860.46	8	2576.03	8	2291.58	8	2007.14	8	1722.69	8	1438.35	8	1154.27	8	869.82	8	585.38	8	300.93	8	25.92	8		
1/4	3339.34	1/4	3138.89	1/4	2854.53	1/4	2570.11	1/4	2285.66	1/4	2001.21	1/4	1716.76	1/4	1432.35	1/4	1148.35	1/4	863.90	1/4	579.45	1/4	295.00	1/4	21.77	1/4		
1/2	3339	1/2	3132.96	1/2	2848.61	1/2	2564.18	1/2	2279.73	1/2	1995.28	1/2	1710.84	1/2	1426.52	1/2	1142.42	1/2	857.97	1/2	573.52	1/2	289.08	1/2	18.81	1/2		
3/4	3338.66	3/4	3127.04	3/4	2842.69	3/4	2558.25	3/4	2273.81	3/4	1989.36	3/4	1704.91	3/4	1420.60	3/4	1136.49	3/4	852.05	3/4	567.60	3/4	283.15	3/4	*15.84	3/4		
9	3337.55	9	3121.11	9	2836.76	9	2552.33	9	2267.88	9	1983.43	9	1698.98	9	1414.69	9	1130.57	9	846.12	9	561.67	9	277.22	9		9		
1/4	3336.44	1/4	3115.19	1/4	2830.84	1/4	2546.4	1/4	2261.95	1/4	1977.51	1/4	1693.06	1/4	1408.77	1/4	1124.64	1/4	840.19	1/4	555.75	1/4	271.3	1/4		1/4		
1/2	3335.33	1/2	3109.27	1/2	2824.91	1/2	2540.48	1/2	2256.03	1/2	1971.58	1/2	1687.13	1/2	1402.85	1/2	1118.72	1/2	834.27	1/2	549.82	1/2	265.37	1/2		1/2		
3/4	3334.33	3/4	3103.34	3/4	2818.99	3/4	2534.55	3/4	2250.10	3/4	1965.65	3/4	1681.21	3/4	1396.94	3/4	1112.79	3/4	828.34	3/4	543.89	3/4	259.45	3/4		3/4		
10	3332.41	10	3097.42	10	2813.07	10	2528.62	10	2244.18	10	1959.73	10	1675.28	10	1391.02	10	1106.86	10	822.42									

MAGNOLIA MARINE - BARGE "MM 66"

OUTAGE TABLE

4 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.
0		0	2570.56	0	2540.42	0	2402.6	0	2154.37	0	1896.94	0	1639.52	0	1382.09	0	1125.11	0	867.68	0	610.21	0	352.74	0	96.24	0
1/4		1/4	2569.93	1/4	2539.79	1/4	2398.77	1/4	2149	1/4	1891.58	1/4	1634.15	1/4	1376.73	1/4	1119.76	1/4	862.32	1/4	604.85	1/4	347.37	1/4	90.94	1/4
1/2		1/2	2569.30	1/2	2539.16	1/2	2394.94	1/2	2143.64	1/2	1886.22	1/2	1628.79	1/2	1371.37	1/2	1114.4	1/2	856.95	1/2	599.48	1/2	342.01	1/2	85.64	1/2
3/4		3/4	2568.68	3/4	2538.36	3/4	2391.11	3/4	2138.28	3/4	1880.85	3/4	1623.43	3/4	1366	3/4	1109.05	3/4	851.59	3/4	594.12	3/4	336.65	3/4	80.33	3/4
1		1	2568.05	1	2537.57	1	2387.28	1	2132.91	1	1875.49	1	1618.07	1	1360.64	1	1103.7	1	846.23	1	588.75	1	331.28	1	75.03	1
1/4		1/4	2567.42	1/4	2536.77	1/4	2383.44	1/4	2127.55	1/4	1870.13	1/4	1612.70	1/4	1355.29	1/4	1098.33	1/4	840.86	1/4	583.39	1/4	325.92	1/4	69.73	1/4
1/2		1/2	2566.79	1/2	2535.98	1/2	2379.61	1/2	2122.19	1/2	1864.76	1/2	1607.34	1/2	1349.94	1/2	1092.97	1/2	835.5	1/2	578.03	1/2	320.55	1/2	64.42	1/2
3/4		3/4	2566.16	3/4	2534.85	3/4	2374.25	3/4	2116.82	3/4	1859.4	3/4	1601.98	3/4	1344.58	3/4	1087.61	3/4	830.13	3/4	572.66	3/4	315.19	3/4	59.12	3/4
2		2	2565.54	2	2533.72	2	2368.89	2	2111.46	2	1854.04	2	1596.61	2	1339.23	2	1082.24	2	824.77	2	567.30	2	309.83	2	53.82	2
1/4		1/4	2564.91	1/4	2532.59	1/4	2363.52	1/4	2106.1	1/4	1848.67	1/4	1591.25	1/4	1333.88	1/4	1076.88	1/4	819.41	1/4	561.93	1/4	304.46	1/4	49.05	1/4
1/2		1/2	2564.28	1/2	2531.46	1/2	2358.16	1/2	2100.74	1/2	1843.31	1/2	1585.89	1/2	1328.52	1/2	1071.51	1/2	814.04	1/2	556.57	1/2	299.1	1/2	44.29	1/2
3/4		3/4	2563.65	3/4	2530.00	3/4	2352.8	3/4	2095.37	3/4	1837.95	3/4	1580.52	3/4	1323.17	3/4	1066.15	3/4	808.68	3/4	551.21	3/4	293.73	3/4	39.52	3/4
3		3	2563.02	3	2528.54	3	2347.43	3	2090.01	3	1832.59	3	1575.16	3	1317.82	3	1060.79	3	803.31	3	545.84	3	288.37	3	34.76	3
1/4		1/4	2562.4	1/4	2526.92	1/4	2342.07	1/4	2084.65	1/4	1827.22	1/4	1569.8	1/4	1312.46	1/4	1055.42	1/4	797.95	1/4	540.48	1/4	283.01	1/4	31.00	1/4
1/2	2581.82	1/2	2561.77	1/2	2525.30	1/2	2336.71	1/2	2079.28	1/2	1821.86	1/2	1564.44	1/2	1307.11	1/2	1050.06	1/2	792.95	1/2	535.11	1/2	277.64	1/2	*27.25	1/2
3/4	2581.79	3/4	2561.14	3/4	2522.89	3/4	2331.34	3/4	2073.92	3/4	1816.5	3/4	1559.07	3/4	1301.76	3/4	1044.69	3/4	787.22	3/4	529.75	3/4	272.28	3/4		3/4
4	2581.75	4	2560.51	4	2520.48	4	2325.98	4	2068.56	4	1811.13	4	1553.71	4	1296.41	4	1039.33	4	781.86	4	524.39	4	266.91	4		4
1/4	2581.71	1/4	2559.88	1/4	2518.07	1/4	2320.62	1/4	2063.19	1/4	1805.77	1/4	1548.35	1/4	1291.05	1/4	1033.97	1/4	776.49	1/4	519.02	1/4	261.55	1/4		1/4
1/2	2581.68	1/2	2559.26	1/2	2515.66	1/2	2315.26	1/2	2057.83	1/2	1800.41	1/2	1542.98	1/2	1285.7	1/2	1028.6	1/2	771.13	1/2	513.66	1/2	256.19	1/2		1/2
3/4	2581.56	3/4	2558.63	3/4	2512.31	3/4	2309.89	3/4	2052.47	3/4	1795.04	3/4	1537.62	3/4	1280.35	3/4	1023.24	3/4	765.77	3/4	508.29	3/4	250.82	3/4		3/4
5	2581.44	5	2558	5	2508.95	5	2304.53	5	2047.11	5	1789.68	5	1532.26	5	1274.99	5	1017.87	5	760.4	5	502.93	5	245.46	5		5
1/4	2581.33	1/4	2557.37	1/4	2505.59	1/4	2299.17	1/4	2041.74	1/4	1784.32	1/4	1526.89	1/4	1269.64	1/4	1012.51	1/4	755.04	1/4	497.57	1/4	240.09	1/4		1/4
1/2	2581.21	1/2	2556.74	1/2	2502.24	1/2	2293.8	1/2	2036.38	1/2	1778.96	1/2	1521.53	1/2	1264.29	1/2	1007.15	1/2	749.67	1/2	492.20	1/2	234.73	1/2		1/2
3/4	2581.02	3/4	2556.12	3/4	2498.40	3/4	2288.44	3/4	2031.02	3/4	1773.59	3/4	1516.17	3/4	1258.93	3/4	1001.78	3/4	744.31	3/4	486.84	3/4	229.37	3/4		3/4
6	2580.82	6	2555.49	6	2494.57	6	2283.08	6	2025.65	6	1768.23	6	1510.81	6	1253.58	6	996.42	6	738.95	6	481.47	6	224	6		6
1/4	2580.63	1/4	2554.86	1/4	2490.74	1/4	2277.71	1/4	2020.29	1/4	1762.87	1/4	1505.44	1/4	1248.23	1/4	991.05	1/4	733.58	1/4	476.11	1/4	218.64	1/4		1/4
1/2	2580.44	1/2	2554.23	1/2	2486.91	1/2	2272.35	1/2	2014.93	1/2	1757.5	1/2	1500.08	1/2	1242.88	1/2	985.69	1/2	728.22	1/2	470.75	1/2	213.27	1/2		1/2
3/4	2580.16	3/4	2553.6	3/4	2483.08	3/4	2266.99	3/4	2009.56	3/4	1752.14	3/4	1494.72	3/4	1237.52	3/4	980.33	3/4	722.85	3/4	465.38	3/4	207.91	3/4		3/4
7	2579.89	7	2552.98	7	2479.24	7	2261.63	7	2004.2	7	1746.78	7	1489.35	7	1232.17	7	974.96	7	717.49	7	460.00	7	202.55	7		7
1/4	2579.62	1/4	2552.35	1/4	2475.41	1/4	2256.26	1/4	1998.84	1/4	1741.41	1/4	1483.99	1/4	1226.82	1/4	969.6	1/4	712.13	1/4	454.65	1/4	197.18	1/4		1/4
1/2	2579.34	1/2	2551.72	1/2	2471.58	1/2	2250.9	1/2	1993.48	1/2	1736.05	1/2	1478.63	1/2	1221.46	1/2	964.23	1/2	706.76	1/2	449.29	1/2	191.82	1/2		1/2
	2578.99	3/4	2551.09	3/4	2467.75	3/4	2245.54	3/4	1988.11	3/4	1730.69	3/4	1473.26	3/4	1216.11	3/4	958.87	3/4	701.4	3/4	443.93	3/4	186.45	3/4		3/4
8	2578.64	8	2550.46	8	2463.92	8	2240.17	8	1982.75	8	1725.33	8	1467.9	8	1210.76	8	953.51	8	696.03	8	438.56	8	181.09	8		8
1/4	2578.28	1/4	2549.84	1/4	2460.08	1/4	2234.81	1/4	1977.39	1/4	1719.96	1/4	1462.54	1/4	1205.40	1/4	948.14	1/4	690.67	1/4	433.20	1/4	175.79	1/4		1/4
1/2	2577.93	1/2	2549.21	1/2	2456.25	1/2	2229.45	1/2	1972.02	1/2	1714.6	1/2	1457.18	1/2	1200.05	1/2	942.78	1/2	685.31	1/2	427.83	1/2	170.48	1/2		1/2
3/4	2577.50	3/4	2548.58	3/4	2452.42	3/4	2224.08	3/4	1966.66	3/4	1709.24	3/4	1451.81	3/4	1194.70	3/4	937.41	3/4	679.94	3/4	422.47	3/4	165.18	3/4		3/4
9	2577.07	9	2547.95	9	2448.59	9	2218.72	9	1961.30	9	1703.87	9	1446.45	9	1189.35	9	932.05	9	674.58	9	417.11	9	159.88	9		9
1/4	2576.64	1/4	2547.32	1/4	2444.76	1/4	2213.36	1/4	1955.93	1/4	1698.51	1/4	1441.09	1/4	1183.99	1/4	926.69	1/4	669.21	1/4	411.74	1/4	154.57	1/4		1/4
1/2	2576.21	1/2	2546.70	1/2	2440.92	1/2	2208.00	1/2	1950.57	1/2	1693.15	1/2	1435.72	1/2	1178.64	1/2	921.32	1/2	663.85	1/2	406.38	1/2	149.27	1/2		1/2
3/4	2575.70	3/4	2546.07	3/4	2437.09	3/4	2202.63	3/4	1945.21	3/4	1687.78	3/4	1430.36	3/4	1173.29	3/4	915.96	3/4	658.49							

MAGNOLIA MARINE - BARGE "MM 66"

OUTAGE TABLE

4 STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0		0	2571.19	0	2541.04	0	2406.44	0	2159.73	0	1902.3	0	1644.88	0	1387.46	0	1130.46	0	873.05	0	615.57	0	358.1	0	101.54	0	
1/4		1/4	2570.56	1/4	2540.42	1/4	2402.6	1/4	2154.37	1/4	1896.94	1/4	1639.52	1/4	1382.09	1/4	1125.11	1/4	867.68	1/4	610.21	1/4	352.74	1/4	96.24	1/4	
1/2		1/2	2569.93	1/2	2539.79	1/2	2398.77	1/2	2149	1/2	1891.58	1/2	1634.15	1/2	1376.73	1/2	1119.76	1/2	862.32	1/2	604.85	1/2	347.37	1/2	90.94	1/2	
3/4		3/4	2569.3	3/4	2539.16	3/4	2394.94	3/4	2143.34	3/4	1886.22	3/4	1628.79	3/4	1371.37	3/4	1114.4	3/4	856.95	3/4	599.48	3/4	342.01	3/4	85.64	3/4	
1		1	2568.68	1	2538.36	1	2391.11	1	2138.28	1	1880.85	1	1623.43	1	1366	1	1109.05	1	851.59	1	594.12	1	336.65	1	80.33	1	
1/4		1/4	2568.05	1/4	2537.57	1/4	2387.28	1/4	2132.91	1/4	1875.49	1/4	1618.07	1/4	1360.64	1/4	1103.7	1/4	846.23	1/4	588.75	1/4	331.28	1/4	75.03	1/4	
1/2		1/2	2567.42	1/2	2536.77	1/2	2383.44	1/2	2127.55	1/2	1870.13	1/2	1612.70	1/2	1355.29	1/2	1098.33	1/2	840.86	1/2	583.39	1/2	325.92	1/2	69.73	1/2	
3/4		3/4	2566.79	3/4	2535.98	3/4	2379.61	3/4	2122.19	3/4	1864.76	3/4	1607.34	3/4	1349.94	3/4	1092.97	3/4	835.5	3/4	578.03	3/4	320.55	3/4	64.42	3/4	
2		2	2566.16	2	2534.85	2	2374.25	2	2116.82	2	1859.4	2	1601.98	2	1344.58	2	1087.61	2	830.13	2	572.66	2	315.19	2	59.12	2	
1/4		1/4	2565.54	1/4	2533.72	1/4	2368.89	1/4	2111.46	1/4	1854.04	1/4	1596.61	1/4	1339.88	1/4	1082.24	1/4	824.77	1/4	567.30	1/4	309.83	1/4	53.82	1/4	
1/2		1/2	2564.91	1/2	2532.59	1/2	2363.52	1/2	2106.1	1/2	1848.67	1/2	1591.25	1/2	1333.88	1/2	1076.88	1/2	819.41	1/2	561.93	1/2	304.46	1/2	49.05	1/2	
3/4		3/4	2564.28	3/4	2531.46	3/4	2358.16	3/4	2100.74	3/4	1843.31	3/4	1585.89	3/4	1328.52	3/4	1071.51	3/4	814.04	3/4	556.57	3/4	299.1	3/4	44.29	3/4	
3		3	2563.65	3	2530.00	3	2352.8	3	2095.37	3	1837.95	3	1580.52	3	1323.17	3	1066.15	3	808.68	3	551.21	3	293.73	3	39.52	3	
1/4		1/4	2563.02	1/4	2528.54	1/4	2347.43	1/4	2090.01	1/4	1832.59	1/4	1575.16	1/4	1317.82	1/4	1060.79	1/4	803.31	1/4	545.84	1/4	288.37	1/4	34.76	1/4	
1/2		1/2	2562.4	1/2	2526.92	1/2	2342.07	1/2	2084.65	1/2	1827.22	1/2	1569.8	1/2	1312.46	1/2	1055.42	1/2	797.95	1/2	540.48	1/2	283.01	1/2	31	1/2	
3/4	2581.82	3/4	2561.77	3/4	2525.30	3/4	2336.71	3/4	2079.28	3/4	1821.86	3/4	1564.44	3/4	1307.11	3/4	1050.06	3/4	792.59	3/4	535.11	3/4	277.64	3/4	*27.25	3/4	
4	2581.79	4	2561.44	4	2522.89	4	2331.34	4	2073.92	4	1816.5	4	1559.07	4	1301.76	4	1044.69	4	787.22	4	529.75	4	272.28	4		4	
1/4	2581.75	1/4	2560.51	1/4	2520.48	1/4	2325.98	1/4	2068.56	1/4	1811.13	1/4	1553.71	1/4	1296.41	1/4	1039.33	1/4	781.86	1/4	524.39	1/4	266.91	1/4		1/4	
1/2	2581.71	1/2	2559.88	1/2	2518.07	1/2	2320.62	1/2	2063.19	1/2	1805.77	1/2	1548.35	1/2	1291.05	1/2	1033.97	1/2	776.49	1/2	519.02	1/2	261.55	1/2		1/2	
3/4	2581.68	3/4	2559.26	3/4	2515.66	3/4	2315.26	3/4	2057.83	3/4	1800.41	3/4	1542.98	3/4	1285.7	3/4	1028.6	3/4	771.13	3/4	513.66	3/4	256.19	3/4		3/4	
5	2581.56	5	2558.63	5	2512.31	5	2309.89	5	2052.47	5	1795.04	5	1537.62	5	1280.35	5	1023.24	5	765.77	5	508.29	5	250.82	5		5	
1/4	2581.44	1/4	2558	1/4	2508.95	1/4	2304.53	1/4	2047.11	1/4	1789.68	1/4	1532.26	1/4	1274.99	1/4	1017.87	1/4	760.4	1/4	502.93	1/4	245.46	1/4		1/4	
1/2	2581.33	1/2	2557.37	1/2	2505.59	1/2	2299.17	1/2	2041.74	1/2	1784.32	1/2	1526.89	1/2	1269.64	1/2	1012.51	1/2	755.04	1/2	497.57	1/2	240.09	1/2		1/2	
3/4	2581.21	3/4	2556.74	3/4	2502.24	3/4	2293.8	3/4	2036.38	3/4	1778.96	3/4	1521.53	3/4	1264.29	3/4	1007.15	3/4	749.67	3/4	492.20	3/4	234.73	3/4		3/4	
6	2581.02	6	2556.12	6	2498.40	6	2288.44	6	2031.02	6	1773.59	6	1516.17	6	1258.93	6	1001.78	6	744.31	6	486.84	6	229.37	6		6	
1/4	2580.82	1/4	2555.49	1/4	2494.57	1/4	2283.08	1/4	2025.65	1/4	1768.23	1/4	1510.81	1/4	1253.98	1/4	996.42	1/4	738.95	1/4	481.47	1/4	224	1/4		1/4	
1/2	2580.63	1/2	2554.86	1/2	2490.74	1/2	2277.71	1/2	2020.29	1/2	1762.87	1/2	1505.44	1/2	1248.23	1/2	991.05	1/2	733.58	1/2	476.11	1/2	218.64	1/2		1/2	
3/4	2580.44	3/4	2554.23	3/4	2486.91	3/4	2272.35	3/4	2014.93	3/4	1757.5	3/4	1500.08	3/4	1242.88	3/4	985.69	3/4	728.22	3/4	470.75	3/4	213.27	3/4		3/4	
7	2580.16	7	2553.6	7	2483.08	7	2266.99	7	2009.56	7	1752.14	7	1494.72	7	1237.52	7	980.33	7	722.85	7	465.38	7	207.91	7		7	
1/4	2579.89	1/4	2552.98	1/4	2479.24	1/4	2261.63	1/4	2004.2	1/4	1746.78	1/4	1489.35	1/4	1232.17	1/4	974.96	1/4	717.49	1/4	460.02	1/4	202.55	1/4		1/4	
1/2	2579.62	1/2	2552.35	1/2	2475.41	1/2	2256.26	1/2	1998.84	1/2	1741.41	1/2	1483.99	1/2	1226.82	1/2	969.6	1/2	712.13	1/2	454.65	1/2	197.18	1/2		1/2	
3/4	2579.34	3/4	2551.72	3/4	2471.58	3/4	2250.9	3/4	1993.48	3/4	1736.05	3/4	1478.63	3/4	1221.46	3/4	964.23	3/4	706.76	3/4	449.29	3/4	191.82	3/4		3/4	
8	2578.99	8	2551.09	8	2467.75	8	2245.54	8	1998.11	8	1730.69	8	1473.26	8	1216.11	8	958.87	8	701.4	8	443.93	8	186.45	8		8	
1/4	2578.64	1/4	2550.46	1/4	2463.92	1/4	2240.17	1/4	1982.75	1/4	1725.33	1/4	1467.90	1/4	1210.76	1/4	953.51	1/4	696.03	1/4	438.56	1/4	181.09	1/4		1/4	
1/2	2578.28	1/2	2549.84	1/2	2460.08	1/2	2234.81	1/2	1977.39	1/2	1719.96	1/2	1462.54	1/2	1205.4	1/2	948.14	1/2	690.67	1/2	433.2	1/2	175.79	1/2		1/2	
3/4	2578.93	3/4	2549.21	3/4	2456.25	3/4	2229.45	3/4	1972.02	3/4	1714.60	3/4	1457.18	3/4	1200.05	3/4	942.78	3/4	685.31	3/4	427.83	3/4	170.48	3/4		3/4	
9	2577.50	9	2548.58	9	2452.42	9	2224.08	9	1966.66	9	1709.24	9	1451.81	9	1194.70	9	937.41	9	679.94	9	422.47	9	165.18	9		9	
1/4	2577.07	1/4	2547.95	1/4	2448.59	1/4	2218.72	1/4	1961.3	1/4	1703.87	1/4	1446.45	1/4	1189.35	1/4	932.05	1/4	674.58	1/4	417.11	1/4	159.88	1/4		1/4	
1/2	2576.64	1/2	2547.32	1/2	2444.59	1/2	2213.36	1/2	1955.93	1/2	1698.51	1/2	1441.09	1/2	1183.99	1/2	926.69	1/2	669.21	1/2	411.74	1/2	154.57	1/2		1/2	
3/4	2576.21	3/4	2546.70	3/4	2440.92	3/4	2208.00	3/4	1950.57	3/4	1693.15	3/4	1435.72	3/4	1178.64	3/4	921.32	3/4	663.85	3/4	406.38	3/4	149.27	3/4		3/4	
10	2575.7	10	2546.07	10	2437.09	10	2202.63	10	1945.21	10	1687.78	10	1430.36	10	1173.29	10	915.96	10	658.49	10	401.01	10	143.97				

MAGNOLIA MARINE - BARGE "MM 66"

INNAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	*10.02	0	163.46	0	371.51	0	622.57	0	881.92	0	1141.26	0	1400.6	0	1659.95	0	1919.29	0	2178.64	0	2437.97	0	2702.62	0	2894.66	0	
1/4	11.69	1/4	167.23	1/4	376.28	1/4	627.98	1/4	887.32	1/4	1146.66	1/4	1406.01	1/4	1665.35	1/4	1924.1	1/4	2184.04	1/4	2443.37	1/4	2708.02	1/4	2895.67	1/4	1/4
1/2	27.28	1/2	171.01	1/2	381.05	1/2	633.38	1/2	892.72	1/2	1152.07	1/2	1411.41	1/2	1670.75	1/2	1930.1	1/2	2189.44	1/2	2448.77	1/2	2697.21	1/2	2896.00	1/2	1/2
3/4	15.02	3/4	174.79	3/4	385.82	3/4	638.78	3/4	898.13	3/4	1157.47	3/4	1416.81	3/4	1676.16	3/4	1935.5	3/4	2194.85	3/4	2454.17	3/4	2713.42	3/4	2896.33	3/4	3/4
1	17.38	1	178.81	1	390.83	1	644.18	1	903.53	1	1162.87	1	1422.22	1	1681.56	1	1940.9	1	2200.25	1	2459.57	1	2718.82	1	2896.66	1	
1/4	19.75	1/4	182.83	1/4	395.85	1/4	649.59	1/4	908.93	1/4	1168.28	1/4	1427.62	1/4	1686.96	1/4	1946.31	1/4	2205.65	1/4	2464.97	1/4	2724.22	1/4	2897	1/4	1/4
1/2	22.11	1/2	186.85	1/2	400.87	1/2	654.99	1/2	914.33	1/2	1173.68	1/2	1433.02	1/2	1692.37	1/2	1951.71	1/2	2211.05	1/2	2470.37	1/2	2729.62	1/2	2897	1/2	1/2
3/4	24.28	3/4	190.88	3/4	405.89	3/4	660.39	3/4	919.74	3/4	1179.08	3/4	1438.43	3/4	1697.77	3/4	1957.11	3/4	2216.46	3/4	2475.77	3/4	2735.02	3/4	2897	3/4	3/4
2	27.28	2	194.9	2	410.90	2	665.8	2	925.14	2	1184.48	2	1443.83	2	1703.17	2	1962.52	2	2221.86	2	2481.17	2	2740.42	2		2	
1/4	30.09	1/4	198.92	1/4	415.92	1/4	671.2	1/4	930.54	1/4	1189.89	1/4	1449.23	1/4	1708.58	1/4	1967.92	1/4	2227.26	1/4	2486.58	1/4	2745.82	1/4	2897	1/4	1/4
1/2	32.89	1/2	202.95	1/2	420.94	1/2	676.6	1/2	935.95	1/2	1195.29	1/2	1454.63	1/2	1713.98	1/2	1973.32	1/2	2232.67	1/2	2491.98	1/2	2751.22	1/2	2897	1/2	1/2
3/4	35.7	3/4	206.97	3/4	425.95	3/4	682.01	3/4	941.35	3/4	1200.69	3/4	1460.04	3/4	1719.38	3/4	1978.73	3/4	2238.07	3/4	2497.38	3/4	2756.63	3/4	2897	3/4	3/4
3	38.73	3	210.99	3	430.97	3	687.41	3	946.75	3	1206.1	3	1465.44	3	1724.78	3	1984.13	3	2243.47	3	2502.78	3	2762.03	3		3	
1/4	41.76	1/4	215.02	1/4	435.99	1/4	692.81	1/4	952.16	1/4	1211.5	1/4	1470.84	1/4	1730.19	1/4	1989.53	1/4	2248.88	1/4	2508.18	1/4	2767.43	1/4	2897	1/4	1/4
1/2	44.78	1/2	219.04	1/2	441.00	1/2	698.21	1/2	957.56	1/2	1216.9	1/2	1476.25	1/2	1735.59	1/2	1994.93	1/2	2254.28	1/2	2513.58	1/2	2772.83	1/2	2897	1/2	1/2
3/4	47.81	3/4	223.06	3/4	446.02	3/4	703.62	3/4	962.96	3/4	1222.31	3/4	1481.65	3/4	1740.99	3/4	2000.34	3/4	2259.68	3/4	2518.98	3/4	2778.23	3/4	2897	3/4	3/4
4	51.09	4	227.33	4	451.29	4	709.02	4	968.36	4	1227.71	4	1487.05	4	1746.4	4	2005.74	4	2265.08	4	2524.38	4	2783.63	4		4	
1/4	54.37	1/4	231.61	1/4	456.55	1/4	714.42	1/4	973.77	1/4	1233.11	1/4	1492.46	1/4	1751.8	1/4	2011.14	1/4	2270.49	1/4	2529.78	1/4	2789.03	1/4	2897	1/4	1/4
1/2	57.65	1/2	235.88	1/2	461.82	1/2	719.83	1/2	979.17	1/2	1238.51	1/2	1497.86	1/2	1757.2	1/2	2016.55	1/2	2275.89	1/2	2535.18	1/2	2794.43	1/2	2897	1/2	1/2
3/4	60.93	3/4	240.15	3/4	467.09	3/4	725.23	3/4	984.57	3/4	1243.92	3/4	1503.26	3/4	1762.61	3/4	2021.95	3/4	2281.29	3/4	2540.59	3/4	2799.83	3/4	2897	3/4	3/4
5	64.21	5	244.43	5	472.35	5	730.63	5	989.98	5	1249.32	5	1508.66	5	1768.01	5	2027.35	5	2286.7	5	2545.99	5	2805.64	5		5	
1/4	67.49	1/4	248.7	1/4	477.62	1/4	736.04	1/4	995.38	1/4	1254.72	1/4	1514.07	1/4	1768.01	1/4	2032.76	1/4	2292.1	1/4	2551.39	1/4	2810.64	1/4	2897	1/4	1/4
1/2	70.77	1/2	252.97	1/2	482.88	1/2	741.44	1/2	1000.78	1/2	1260.13	1/2	1519.47	1/2	1773.41	1/2	2038.16	1/2	2297.5	1/2	2556.79	1/2	2815.7	1/2	2897	1/2	1/2
3/4	74.05	3/4	257.25	3/4	488.15	3/4	746.84	3/4	1006.19	3/4	1265.53	3/4	1524.87	3/4	1784.22	3/4	2043.56	3/4	2302.91	3/4	2562.19	3/4	2820.76	3/4	2897	3/4	3/4
6	77.32	6	261.52	6	493.42	6	752.24	6	1011.59	6	1270.93	6	1530.28	6	1789.62	6	2048.96	6	2308.31	6	2567.59	6	2825.83	6		6	
1/4	80.6	1/4	265.79	1/4	498.68	1/4	757.65	1/4	1016.99	1/4	1276.34	1/4	1535.68	1/4	1795.02	1/4	2054.37	1/4	2313.71	1/4	2572.99	1/4	2830.89	1/4	2897	1/4	1/4
1/2	83.88	1/2	270.06	1/2	503.95	1/2	763.05	1/2	1022.39	1/2	1281.74	1/2	1541.08	1/2	1800.43	1/2	2059.77	1/2	2319.11	1/2	2578.39	1/2	2835.28	1/2	2897	1/2	1/2
3/4	87.16	3/4	274.34	3/4	509.21	3/4	768.45	3/4	1027.8	3/4	1287.14	3/4	1546.49	3/4	1805.83	3/4	2065.17	3/4	2324.52	3/4	2583.79	3/4	2839.67	3/4	2897	3/4	3/4
7	90.69	7	278.86	7	514.60	7	773.86	7	1033.2	7	1292.54	7	1551.89	7	1811.23	7	2070.58	7	2329.92	7	2589.19	7	2844.06	7		7	
1/4	94.21	1/4	283.38	1/4	519.99	1/4	779.26	1/4	1038.6	1/4	1297.95	1/4	1557.29	1/4	1816.64	1/4	2075.98	1/4	2335.32	1/4	2594.60	1/4	2848.44	1/4	2897	1/4	1/4
1/2	97.74	1/2	287.38	1/2	525.38	1/2	784.66	1/2	1044.01	1/2	1303.35	1/2	1562.69	1/2	1822.04	1/2	2081.38	1/2	2340.73	1/2	2600.00	1/2	2852.15	1/2	2897	1/2	1/2
3/4	101.27	3/4	292.42	3/4	530.77	3/4	790.07	3/4	1049.41	3/4	1308.75	3/4	1568.1	3/4	1827.44	3/4	2086.79	3/4	2346.13	3/4	2605.40	3/4	2855.87	3/4	2897	3/4	3/4
8	104.79	8	296.94	8	536.16	8	795.47	8	1054.81	8	1314.16	8	1573.5	8	1832.84	8	2092.19	8	2351.53	8	2610.8	8	2859.58	8		8	
1/4	108.32	1/4	301.46	1/4	541.55	1/4	800.87	1/4	1060.22	1/4	1319.56	1/4	1578.90	1/4	1843.25	1/4	2097.59	1/4	2356.94	1/4	2616.20	1/4	2863.29	1/4	2897	1/4	1/4
1/2	111.84	1/2	305.98	1/2	546.94	1/2	806.27	1/2	1065.62	1/2	1324.96	1/2	1584.31	1/2	1843.65	1/2	2102.99	1/2	2362.34	1/2	2621.6	1/2	2866.32	1/2	2897	1/2	1/2
3/4	115.37	3/4	310.50	3/4	552.33	3/4	811.68	3/4	1071.02	3/4	1330.37	3/4	1589.71	3/4	1849.05	3/4	2108.40	3/4	2367.74	3/4	2627.00	3/4	2869.36	3/4	2897	3/4	3/4
9	118.90	9	315.02	9	557.74	9	817.08	9	1076.42	9	1335.77	9	1595.11	9	1854.46	9	2113.80	9	2373.14	9	2632.40	9	2872.40	9		9	
1/4	122.42	1/4	319.54	1/4	563.14	1/4	822.48	1/4	1081.83	1/4	1341.17	1/4	1600.52	1/4	1859.86	1/4	2119.2	1/4	2378.55	1/4	2637.8	1/4	2875.43	1/4	2897	1/4	1/4
1/2	125.95	1/2	324.06	1/2	568.54	1/2	827.89	1/2	1087.23	1/2	1346.57	1/2	1605.92	1/2	1865.26	1/2	2124.61	1/2	2383.95	1/2	2643.20	1/2	2877.79	1/2	2897	1/2	1/2
3/4	129.47	3/4	328.58	3/4	573.95	3/4	833.29	3/4	1092.63	3/4	1351.98	3/4	1611.32	3/4	1870.67	3/4	2130.01	3/4	2389.35	3/4	2648.61	3/4	2880.15	3/4	2897	3/4	3/4
10	133.25	10	333.35	10																							

MAGNOLIA MARINE - BARGE "MM 66"

INNAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	*15.84	0	283.10	0	567.50	0	851.90	0	1136.30	0	1420.36	0	1704.62	0	1989.02	0	2273.42	0	2557.82	0	2842.20	0	3126.50	0	3338.23	0			
1/4	18.80	1/4	289.02	1/4	573.42	1/4	857.82	1/4	1142.22	1/4	1426.27	1/4	1710.54	1/4	1994.94	1/4	2279.34	1/4	2563.74	1/4	2848.12	1/4	3132.43	1/4	3338.6	1/4			
1/2	21.77	1/2	294.95	1/2	579.35	1/2	863.75	1/2	1148.15	1/2	1432.19	1/2	1716.47	1/2	2000.87	1/2	2285.27	1/2	2569.67	1/2	2854.05	1/2	3138.35	1/2	3338.97	1/2			
3/4	25.91	3/4	300.87	3/4	585.27	3/4	869.67	3/4	1154.07	3/4	1438.10	3/4	1722.39	3/4	2006.79	3/4	2291.19	3/4	2575.59	3/4	2859.97	3/4	3144.27	3/4	3339.34	3/4			
1	30.06	1	306.80	1	591.20	1	875.60	1	1160.00	1	1444.02	1	1728.32	1	2012.72	1	2297.12	1	2581.52	1	2865.89	1	3150.20	1	3339.71	1			
1/4	34.21	1/4	312.72	1/4	597.12	1/4	881.52	1/4	1165.92	1/4	1449.93	1/4	1734.24	1/4	2018.64	1/4	2303.04	1/4	2587.44	1/4	2871.81	1/4	3156.12	1/4	3340.0	1/4			
1/2	38.35	1/2	318.65	1/2	603.05	1/2	887.45	1/2	1171.85	1/2	1455.85	1/2	1740.17	1/2	2024.57	1/2	2308.97	1/2	2593.37	1/2	2877.74	1/2	3162.04	1/2	3340.3	1/2			
3/4	43.62	3/4	324.57	3/4	608.97	3/4	893.37	3/4	1177.77	3/4	1461.76	3/4	1746.09	3/4	2030.49	3/4	2314.89	3/4	2599.29	3/4	2883.66	3/4	3167.96	3/4	3340.6	3/4			
2	48.89	2	330.50	2	614.90	2	899.30	2	1183.70	2	1467.68	2	1752.02	2	2036.42	2	2320.82	2	2605.22	2	2889.58	2	3173.89	2		2			
1/4	54.16	1/4	336.42	1/4	620.82	1/4	905.22	1/4	1189.62	1/4	1473.59	1/4	1757.94	1/4	2042.34	1/4	2326.74	1/4	2611.14	1/4	2895.51	1/4	3179.81	1/4	3341.0	1/4			
1/2	59.43	1/2	342.35	1/2	626.50	1/2	911.15	1/2	1195.55	1/2	1479.51	1/2	1763.87	1/2	2048.27	1/2	2332.67	1/2	2617.07	1/2	2901.43	1/2	3185.73	1/2	3341.3	1/2			
3/4	65.30	3/4	348.27	3/4	632.67	3/4	917.07	3/4	1201.47	3/4	1485.42	3/4	1769.79	3/4	2054.19	3/4	2338.59	3/4	2622.99	3/4	2907.35	3/4	3191.66	3/4	3341.6	3/4			
3	71.16	3	354.20	3	638.60	3	923.00	3	1207.40	3	1491.34	3	1775.72	3	2060.12	3	2344.52	3	2628.92	3	2912.28	3	3197.58	3		3			
1/4	77.02	1/4	360.12	1/4	644.52	1/4	928.92	1/4	1213.32	1/4	1497.25	1/4	1781.64	1/4	2066.04	1/4	2350.44	1/4	2634.84	1/4	2919.20	1/4	3203.50	1/4	3341.9	1/4			
1/2	82.89	1/2	366.05	1/2	650.45	1/2	934.85	1/2	1219.25	1/2	1503.17	1/2	1787.57	1/2	2071.97	1/2	2356.37	1/2	2640.77	1/2	2925.12	1/2	3209.43	1/2	3342.2	1/2			
3/4	88.75	3/4	371.91	3/4	656.37	3/4	940.77	3/4	1225.16	3/4	1509.09	3/4	1793.49	3/4	2077.89	3/4	2362.29	3/4	2646.69	3/4	2931.04	3/4	3215.35	3/4	3342.5	3/4			
4	94.61	4	377.90	4	662.30	4	946.70	4	1231.08	4	1515.02	4	1799.42	4	2083.82	4	2368.22	4	2652.62	4	2936.97	4	3221.27	4		4			
1/4	100.47	1/4	383.82	1/4	668.22	1/4	952.62	1/4	1236.99	1/4	1520.94	1/4	1805.34	1/4	2089.74	1/4	2374.14	1/4	2658.54	1/4	2942.89	1/4	3227.19	1/4	3342.8	1/4			
1/2	106.34	1/2	389.75	1/2	674.15	1/2	958.55	1/2	1242.91	1/2	1526.87	1/2	1811.27	1/2	2095.67	1/2	2380.07	1/2	2664.47	1/2	2948.81	1/2	3233.12	1/2	3343.1	1/2			
3/4	112.20	3/4	395.67	3/4	680.07	3/4	964.47	3/4	1248.82	3/4	1532.75	3/4	1817.19	3/4	2101.59	3/4	2385.99	3/4	2670.39	3/4	2954.74	3/4	3239.04	3/4	3343.4	3/4			
5	118.06	5	401.60	5	686.00	5	970.40	5	1254.74	5	1538.72	5	1823.12	5	2107.52	5	2391.92	5	2676.32	5	2960.66	5	3244.96	5		5			
1/4	123.93	1/4	407.52	1/4	691.00	1/4	976.32	1/4	1260.65	1/4	1544.64	1/4	1829.04	1/4	2113.44	1/4	2397.84	1/4	2682.24	1/4	2966.58	1/4	3250.52	1/4	3343.7	1/4			
1/2	129.79	1/2	413.45	1/2	697.85	1/2	982.25	1/2	1266.57	1/2	1550.57	1/2	1834.97	1/2	2119.37	1/2	2403.77	1/2	2688.17	1/2	2972.51	1/2	3256.07	1/2	3344.0	1/2			
3/4	135.65	3/4	419.37	3/4	703.77	3/4	988.17	3/4	1272.48	3/4	1556.49	3/4	1840.89	3/4	2125.29	3/4	2409.69	3/4	2694.09	3/4	2978.43	3/4	3261.62	3/4	3344.3	3/4			
6	141.52	6	425.30	6	709.70	6	994.10	6	1278.40	6	1562.42	6	1846.82	6	2131.22	6	2415.62	6	2700.20	6	2984.35	6	3267.18	6		6			
1/4	147.39	1/4	431.22	1/4	715.62	1/4	1000.02	1/4	1284.31	1/4	1568.34	1/4	1852.74	1/4	2137.14	1/4	2421.51	1/4	2705.94	1/4	2990.27	1/4	3271.99	1/4	3344.6	1/4			
1/2	153.24	1/2	437.15	1/2	721.55	1/2	1005.95	1/2	1290.23	1/2	1574.27	1/2	1858.67	1/2	2143.07	1/2	2427.47	1/2	2711.87	1/2	2996.20	1/2	3276.80	1/2	3344.9	1/2			
3/4	159.10	3/4	443.07	3/4	727.47	3/4	1011.87	3/4	1296.14	3/4	1580.19	3/4	1864.59	3/4	2148.99	3/4	2433.39	3/4	2717.79	3/4	3002.12	3/4	3281.61	3/4	3345.2	3/4			
7	164.97	7	449.00	7	733.40	7	1017.80	7	1302.06	7	1586.12	7	1870.52	7	2154.92	7	2439.32	7	2723.72	7	3008.04	7	3286.42	7		7			
1/4	170.83	1/4	454.92	1/4	739.32	1/4	1023.72	1/4	1307.97	1/4	1592.04	1/4	1876.44	1/4	2160.84	1/4	2445.24	1/4	2729.64	1/4	3013.97	1/4	3290.49	1/4	3345.5	1/4			
1/2	176.69	1/2	460.85	1/2	745.25	1/2	1029.65	1/2	1313.89	1/2	1597.97	1/2	1882.37	1/2	2166.77	1/2	2451.17	1/2	2735.57	1/2	3019.89	1/2	3294.56	1/2	3345.8	1/2			
3/4	182.56	3/4	466.77	3/4	751.17	3/4	1035.57	3/4	1319.80	3/4	1603.89	3/4	1888.29	3/4	2172.69	3/4	2457.09	3/4	2741.49	3/4	3025.81	3/4	3298.64	3/4	3346.1	3/4			
8	188.42	8	472.7	8	757.1	8	1041.5	8	1325.72	8	1609.82	8	1897.22	8	2178.62	8	2463.02	8	2747.42	8	3031.74	8	3302.71	8		8			
1/4	194.28	1/4	478.62	1/4	763.02	1/4	1047.42	1/4	1331.63	1/4	1615.75	1/4	1900.14	1/4	2184.54	1/4	2468.94	1/4	2753.34	1/4	3037.66	1/4	3306.04	1/4	3346.4	1/4			
1/2	200.15	1/2	484.55	1/2	768.95	1/2	1053.35	1/2	1337.55	1/2	1621.67	1/2	1906.07	1/2	2190.47	1/2	2474.87	1/2	2759.27	1/2	3043.58	1/2	3309.37	1/2	3346.7	1/2			
3/4	206.07	3/4	490.47	3/4	774.87	3/4	1059.27	3/4	1343.46	3/4	1627.59	3/4	1911.99	3/4	2196.39	3/4	2480.76	3/4	2765.19	3/4	3049.50	3/4	3312.70	3/4	3347.0	3/4			
9	212.00	9	496.40	9	780.80	9	1065.20	9	1349.38	9	1633.52	9	1917.92	9	2202.32	9	2486.72	9	2771.12	9	3055.43	9	3316.03	9		9			
1/4	217.92	1/4	502.32	1/4	786.72	1/4	1071.12	1/4	1355.29	1/4	1639.44	1/4	1923.84	1/4	2208.24	1/4	2492.64	1/4	2777.04	1/4	3061.35	1/4	3318.62	1/4	3347.3	1/4			
1/2	223.85	1/2	508.25	1/2	792.65	1/2	1077.05	1/2	1361.21	1/2	1645.37	1/2	1929.77	1/2	2214.17	1/2	2498.57	1/2	2782.97	1/2	3067.27	1/2	3321.21	1/2	3347.6	1/2			
3/4	229.77	3/4	514.17	3/4	798.57	3/4	1082.97	3/4	1367.12	3/4	1651.29	3/4	1935.69	3/4	2220.09	3/4	2504.49	3/4	2788.89	3/4	3073.20	3/4	3323.80	3/4	3347.9	3/4			
10	235.7																												

MAGNOLIA MARINE - BARGE "MM 66"

INNAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	*15.84	0	283.15	0	567.60	0	852.05	0	1136.49	0	1420.6	0	1704.91	0	1989.36	0	2273.81	0	2558.25	0	2842.69	0	3127.04	0	3338.66	0			
1/4	18.81	1/4	289.08	1/4	573.52	1/4	857.97	1/4	1142.42	1/4	1426.52	1/4	1710.84	1/4	1995.28	1/4	2279.73	1/4	2564.18	1/4	2848.61	1/4	3132.96	1/4	3339	1/4			
1/2	21.77	1/2	295.00	1/2	579.45	1/2	863.9	1/2	1148.35	1/2	1432.43	1/2	1716.76	1/2	2001.21	1/2	2285.66	1/2	2570.11	1/2	2854.53	1/2	3138.89	1/2	3339.34	1/2			
3/4	25.92	3/4	300.93	3/4	585.38	3/4	869.82	3/4	1154.27	3/4	1438.35	3/4	1722.69	3/4	2007.14	3/4	2291.58	3/4	2576.03	3/4	2860.46	3/4	3144.81	3/4	3339.68	3/4			
1	30.07	1	306.85	1	591.30	1	875.75	1	1160.2	1	1444.27	1	1728.61	1	2013.06	1	2297.51	1	2581.96	1	2866.38	1	3150.73	1		1			
1/4	34.21	1/4	312.78	1/4	597.23	1/4	881.68	1/4	1166.12	1/4	1450.18	1/4	1734.54	1/4	2018.99	1/4	2303.44	1/4	2587.88	1/4	2872.31	1/4	3156.66	1/4		1/4			
1/2	38.36	1/2	318.71	1/2	603.15	1/2	887.6	1/2	1172.05	1/2	1456.1	1/2	1740.47	1/2	2024.91	1/2	2309.36	1/2	2593.81	1/2	2878.23	1/2	3162.58	1/2		1/2			
3/4	43.63	3/4	324.63	3/4	609.08	3/4	893.53	3/4	1177.98	3/4	1462.01	3/4	1746.39	3/4	2030.84	3/4	2315.29	3/4	2599.74	3/4	2884.15	3/4	3168.51	3/4		3/4			
2	48.91	2	330.56	2	615.01	2	899.45	2	1183.9	2	1467.93	2	1752.32	2	2036.77	2	2321.21	2	2605.66	2	2890.08	2	3174.43	2		2			
1/4	54.18	1/4	336.48	1/4	620.93	1/4	905.38	1/4	1189.83	1/4	1473.85	1/4	1758.24	1/4	2042.69	1/4	2327.14	1/4	2611.59	1/4	2896.00	1/4	3180.35	1/4		1/4			
1/2	59.45	1/2	342.41	1/2	626.86	1/2	911.31	1/2	1195.75	1/2	1479.76	1/2	1764.17	1/2	2048.62	1/2	2333.07	1/2	2617.51	1/2	2901.93	1/2	3186.28	1/2		1/2			
3/4	65.31	3/4	348.34	3/4	632.78	3/4	917.23	3/4	1201.68	3/4	1485.68	3/4	1770.1	3/4	2054.54	3/4	2338.99	3/4	2623.44	3/4	2907.85	3/4	3192.2	3/4		3/4			
3	71.18	3	354.26	3	638.71	3	923.16	3	1207.61	3	1491.59	3	1776.02	3	2060.47	3	2344.92	3	2629.37	3	2913.77	3	3198.13	3		3			
1/4	77.04	1/4	360.19	1/4	644.64	1/4	929.08	1/4	1213.53	1/4	1497.51	1/4	1781.95	1/4	2066.4	1/4	2350.84	1/4	2635.29	1/4	2919.70	1/4	3204.05	1/4		1/4			
1/2	82.91	1/2	366.11	1/2	650.56	1/2	935.01	1/2	1219.46	1/2	1503.43	1/2	1787.87	1/2	2072.32	1/2	2356.77	1/2	2641.22	1/2	2925.62	1/2	3209.97	1/2		1/2			
3/4	88.77	3/4	372.04	3/4	656.49	3/4	940.94	3/4	1225.37	3/4	1509.35	3/4	1793.8	3/4	2078.25	3/4	2362.7	3/4	2647.14	3/4	2931.55	3/4	3215.9	3/4		3/4			
4	94.63	4	377.97	4	662.41	4	946.86	4	1231.29	4	1515.28	4	1799.73	4	2084.17	4	2368.62	4	2653.07	4	2937.47	4	3221.82	4		4			
1/4	100.5	1/4	383.89	1/4	668.34	1/4	952.79	1/4	1237.21	1/4	1521.2	1/4	1805.65	1/4	2090.1	1/4	2374.55	1/4	2659	1/4	2943.39	1/4	3227.75	1/4		1/4			
1/2	106.36	1/2	389.82	1/2	674.27	1/2	958.71	1/2	1243.12	1/2	1527.13	1/2	1811.58	1/2	2096.03	1/2	2380.47	1/2	2664.92	1/2	2949.32	1/2	3233.67	1/2		1/2			
3/4	112.23	3/4	395.74	3/4	680.19	3/4	964.64	3/4	1249.04	3/4	1533.06	3/4	1817.5	3/4	2101.95	3/4	2386.4	3/4	2670.85	3/4	2955.24	3/4	3239.59	3/4		3/4			
5	118.09	5	401.67	5	686.12	5	970.57	5	1254.95	5	1538.98	5	1823.43	5	2107.88	5	2392.33	5	2676.77	5	2961.17	5	3245.52	5		5			
1/4	123.95	1/4	407.6	1/4	692.04	1/4	976.49	1/4	1260.87	1/4	1544.91	1/4	1829.36	1/4	2113.8	1/4	2398.25	1/4	2682.7	1/4	2967.09	1/4	3251.07	1/4		1/4			
1/2	129.82	1/2	413.52	1/2	697.97	1/2	982.42	1/2	1266.79	1/2	1550.83	1/2	1835.28	1/2	2119.73	1/2	2404.18	1/2	2688.63	1/2	2973.01	1/2	3256.62	1/2		1/2			
3/4	135.68	3/4	419.15	3/4	703.90	3/4	988.34	3/4	1272.7	3/4	1556.76	3/4	1841.21	3/4	2125.66	3/4	2410.1	3/4	2694.55	3/4	2978.94	3/4	3262.18	3/4		3/4			
6	141.55	6	425.37	6	709.82	6	994.27	6	1278.62	6	1562.69	6	1847.13	6	2131.58	6	2416.03	6	2700.48	6	2984.86	6	3267.73	6		6			
1/4	147.41	1/4	431.3	1/4	715.75	1/4	1000.2	1/4	1284.53	1/4	1568.61	1/4	1853.06	1/4	2137.51	1/4	2421.96	1/4	2706.4	1/4	2990.79	1/4	3272.54	1/4		1/4			
1/2	153.27	1/2	437.23	1/2	721.67	1/2	1006.12	1/2	1290.45	1/2	1574.54	1/2	1858.99	1/2	2143.43	1/2	2427.88	1/2	2712.33	1/2	2996.71	1/2	3277.35	1/2		1/2			
3/4	159.14	3/4	443.15	3/4	727.60	3/4	1012.05	3/4	1296.37	3/4	1580.46	3/4	1864.91	3/4	2149.36	3/4	2433.81	3/4	2718.26	3/4	3002.63	3/4	3282.17	3/4		3/4			
7	165	7	449.08	7	733.53	7	1017.97	7	1302.28	7	1586.39	7	1870.84	7	2155.29	7	2439.73	7	2724.18	7	3008.56	7	3286.98	7		7			
1/4	170.87	1/4	455	1/4	739.45	1/4	1023.9	1/4	1308.2	1/4	1592.32	1/4	1876.76	1/4	2161.21	1/4	2445.66	1/4	2730.11	1/4	3014.48	1/4	3291.05	1/4		1/4			
1/2	176.73	1/2	460.93	1/2	745.38	1/2	1029.83	1/2	1314.11	1/2	1598.24	1/2	1882.69	1/2	2167.14	1/2	2451.59	1/2	2736.03	1/2	3020.41	1/2	3295.12	1/2		1/2			
3/4	182.59	3/4	466.86	3/4	751.30	3/4	1035.75	3/4	1320.03	3/4	1604.17	3/4	1888.62	3/4	2173.06	3/4	2457.51	3/4	2741.96	3/4	3026.33	3/4	3299.19	3/4		3/4			
8	188.46	8	472.78	8	757.23	8	1041.68	8	1325.95	8	1610.09	8	1894.54	8	2178.99	8	2463.44	8	2747.89	8	3032.25	8	3303.27	8		8			
1/4	194.32	1/4	478.71	1/4	763.16	1/4	1047.60	1/4	1331.86	1/4	1616.02	1/4	1900.47	1/4	2184.92	1/4	2469.36	1/4	2753.81	1/4	3038.18	1/4	3306.60	1/4		1/4			
1/2	200.19	1/2	484.63	1/2	769.08	1/2	1053.53	1/2	1337.78	1/2	1621.95	1/2	1906.39	1/2	2190.84	1/2	2475.29	1/2	2759.74	1/2	3044.1	1/2	3309.93	1/2		1/2			
3/4	206.11	3/4	490.56	3/4	775.01	3/4	1059.46	3/4	1343.69	3/4	1627.87	3/4	1912.32	3/4	2196.77	3/4	2481.22	3/4	2765.66	3/4	3050.03	3/4	3313.26	3/4		3/4			
9	212.04	9	496.49	9	780.93	9	1065.38	9	1349.61	9	1633.80	9	1918.25	9	2202.69	9	2487.14	9	2771.59	9	3055.95	9	3316.59	9		9			
1/4	217.96	1/4	502.41	1/4	786.86	1/4	1071.31	1/4	1355.33	1/4	1639.72	1/4	1924.17	1/4	2208.62	1/4	2493.07	1/4	2777.52	1/4	3061.87	1/4	3319.18	1/4		1/4			
1/2	223.89	1/2	508.34	1/2	792.79	1/2	1077.23	1/2	1361.44	1/2	1645.65	1/2	1930.10	1/2	2214.55	1/2	2498.99	1/2	2783.44	1/2	3067.80	1/2	3321.77	1/2		1/2			
3/4	229.82	3/4	514.26	3/4	798.71	3/4	1082.16	3/4	1367.36	3/4	1651.58	3/4	1936.02	3/4	2220.47	3/4	2504.92	3/4	2789.37	3/4	3073.72	3/4	3324.36	3/4		3/4			
10	235.74	10	520.19	10	804.64	10	1089.09	10	1373.27	10	1657.5	10	1941.95	10	2226.4	10	2510.85	10	2795.29	10	3079.6								

MAGNOLIA MARINE - BARGE "MM 66"

INNAGE TABLE

4 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4299

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		
0	*27.25	0	277.64	0	535.11	0	792.59	0	1050.06	0	1307.11	0	1564.44	0	1821.86	0	2079.28	0	2336.71	0	2525.30	0	2561.77	0	2581.82	0		
1/4	31	1/4	283.01	1/4	540.48	1/4	797.95	1/4	1055.42	1/4	1312.46	1/4	1569.8	1/4	1827.22	1/4	2084.65	1/4	2342.07	1/4	2526.92	1/4	2562.4	1/4	2581.82	1/4		
1/2	34.76	1/2	288.37	1/2	545.84	1/2	803.31	1/2	1060.79	1/2	1317.82	1/2	1575.16	1/2	1832.59	1/2	2090.01	1/2	2347.43	1/2	2528.54	1/2	2563.02	1/2	2581.82	1/2		
3/4	39.52	3/4	293.73	3/4	551.21	3/4	808.65	3/4	1066.15	3/4	1323.17	3/4	1580.52	3/4	1837.95	3/4	2095.37	3/4	2352.8	3/4	2530.00	3/4	2563.65	3/4	2581.82	3/4		
1	44.29	1	299.1	1	556.57	1	814.04	1	1071.51	1	1328.52	1	1585.89	1	1843.31	1	2100.74	1	2358.16	1	2531.46	1	2564.28	1		1		
1/4	49.05	1/4	304.46	1/4	561.93	1/4	819.41	1/4	1076.88	1/4	1333.88	1/4	1591.25	1/4	1848.67	1/4	2106.1	1/4	2363.59	1/4	2532.59	1/4	2564.91	1/4	2581.82	1/4		
1/2	53.82	1/2	309.83	1/2	567.30	1/2	824.77	1/2	1082.24	1/2	1339.23	1/2	1596.61	1/2	1854.04	1/2	2111.46	1/2	2368.89	1/2	2533.72	1/2	2565.54	1/2	2581.82	1/2		
3/4	59.12	3/4	315.19	3/4	572.66	3/4	830.13	3/4	1087.61	3/4	1344.58	3/4	1601.98	3/4	1859.4	3/4	2116.82	3/4	2374.25	3/4	2534.85	3/4	2566.16	3/4	2581.82	3/4		
2	64.42	2	320.55	2	578.03	2	835.5	2	1092.97	2	1349.94	2	1607.34	2	1864.76	2	2122.19	2	2379.61	2	2535.98	2	2566.79	2		2		
1/4	69.73	1/4	325.92	1/4	583.39	1/4	840.86	1/4	1098.33	1/4	1355.29	1/4	1612.7	1/4	1870.13	1/4	2127.55	1/4	2383.44	1/4	2536.77	1/4	2567.42	1/4	2581.82	1/4		
1/2	75.03	1/2	331.28	1/2	588.75	1/2	846.23	1/2	1103.7	1/2	1360.64	1/2	1618.07	1/2	1875.49	1/2	2132.91	1/2	2387.28	1/2	2537.57	1/2	2568.05	1/2	2581.82	1/2		
3/4	80.33	3/4	336.65	3/4	594.12	3/4	851.59	3/4	1109.05	3/4	1366	3/4	1623.43	3/4	1880.85	3/4	2138.28	3/4	2391.11	3/4	2538.36	3/4	2568.68	3/4	2581.82	3/4		
3	85.64	3	342.01	3	599.48	3	856.95	3	1114.4	3	1371.37	3	1628.79	3	1886.22	3	2143.64	3	2394.94	3	2539.16	3	2569.3	3		3		
1/4	90.94	1/4	347.37	1/4	604.85	1/4	862.32	1/4	1119.76	1/4	1376.73	1/4	1634.15	1/4	1891.58	1/4	2149	1/4	2398.77	1/4	2539.79	1/4	2569.93	1/4	2581.82	1/4		
1/2	96.24	1/2	352.74	1/2	610.21	1/2	867.68	1/2	1125.11	1/2	1382.09	1/2	1639.52	1/2	1896.94	1/2	2154.37	1/2	2402.6	1/2	2540.42	1/2	2570.56	1/2	2581.82	1/2		
3/4	101.54	3/4	358.1	3/4	615.57	3/4	873.05	3/4	1130.46	3/4	1387.46	3/4	1644.88	3/4	1902.3	3/4	2159.73	3/4	2406.44	3/4	2541.04	3/4	2571.19	3/4	2581.82	3/4		
4	106.85	4	363.47	4	620.94	4	878.41	4	1135.82	4	1392.82	4	1650.24	4	1907.67	4	2165.09	4	2410.27	4	2541.67	4	2571.82	4		4		
1/4	112.15	1/4	368.83	1/4	626.30	1/4	883.77	1/4	1141.17	1/4	1398.18	1/4	1655.61	1/4	1913.03	1/4	2170.45	1/4	2414.1	1/4	2542.30	1/4	2572.40	1/4	2581.82	1/4		
1/2	117.45	1/2	374.19	1/2	631.67	1/2	889.14	1/2	1146.52	1/2	1403.55	1/2	1660.97	1/2	1918.39	1/2	2175.82	1/2	2417.93	1/2	2542.93	1/2	2572.99	1/2	2581.82	1/2		
3/4	122.76	3/4	379.56	3/4	637.03	3/4	894.5	3/4	1151.87	3/4	1408.91	3/4	1666.33	3/4	1923.76	3/4	2181.18	3/4	2421.76	3/4	2543.56	3/4	2573.58	3/4	2581.82	3/4		
5	128.06	5	384.92	5	642.39	5	899.87	5	1157.23	5	1414.27	5	1671.7	5	1929.12	5	2186.54	5	2425.6	5	2544.18	5	2574.17	5		5		
1/4	133.36	1/4	390.29	1/4	647.76	1/4	905.23	1/4	1162.58	1/4	1419.63	1/4	1677.06	1/4	1934.48	1/4	2191.91	1/4	2429.43	1/4	2544.81	1/4	2574.68	1/4	2581.82	1/4		
1/2	138.67	1/2	395.65	1/2	653.12	1/2	910.59	1/2	1167.93	1/2	1425	1/2	1682.42	1/2	1939.85	1/2	2197.27	1/2	2433.26	1/2	2545.44	1/2	2575.19	1/2	2581.82	1/2		
3/4	143.97	3/4	401.01	3/4	658.49	3/4	915.96	3/4	1173.29	3/4	1430.36	3/4	1687.78	3/4	1945.21	3/4	2202.63	3/4	2437.09	3/4	2546.07	3/4	2575.7	3/4	2581.82	3/4		
6	149.27	6	406.38	6	663.85	6	921.32	6	1178.64	6	1435.72	6	1693.15	6	1950.57	6	2208	6	2440.92	6	2546.70	6	2576.21	6		6		
1/4	154.57	1/4	411.74	1/4	669.21	1/4	926.69	1/4	1183.99	1/4	1441.09	1/4	1698.51	1/4	1955.93	1/4	2213.36	1/4	2444.76	1/4	2547.32	1/4	2576.64	1/4	2581.82	1/4		
1/2	159.88	1/2	417.11	1/2	674.58	1/2	932.05	1/2	1189.35	1/2	1446.45	1/2	1703.87	1/2	1961.30	1/2	2218.72	1/2	2448.59	1/2	2547.95	1/2	2577.07	1/2	2581.82	1/2		
3/4	165.18	3/4	422.47	3/4	679.94	3/4	937.41	3/4	1194.7	3/4	1451.81	3/4	1709.24	3/4	1966.66	3/4	2224.08	3/4	2452.42	3/4	2548.58	3/4	2577.5	3/4	2581.82	3/4		
7	170.48	7	427.83	7	685.31	7	942.78	7	1200.05	7	1457.18	7	1714.6	7	1972.02	7	2229.45	7	2456.25	7	2549.21	7	2577.93	7		7		
1/4	175.79	1/4	433.2	1/4	690.67	1/4	948.14	1/4	1205.4	1/4	1462.54	1/4	1719.96	1/4	1977.39	1/4	2234.81	1/4	2460.08	1/4	2549.84	1/4	2578.28	1/4	2581.82	1/4		
1/2	181.09	1/2	438.56	1/2	696.03	1/2	953.51	1/2	1210.76	1/2	1467.9	1/2	1725.33	1/2	1982.75	1/2	2240.17	1/2	2463.92	1/2	2550.46	1/2	2578.64	1/2	2581.82	1/2		
3/4	186.45	3/4	443.93	3/4	701.40	3/4	958.87	3/4	1216.11	3/4	1473.26	3/4	1730.69	3/4	1988.11	3/4	2245.54	3/4	2467.75	3/4	2551.09	3/4	2578.99	3/4	2581.82	3/4		
8	191.82	8	449.29	8	706.76	8	964.23	8	1221.46	8	1478.63	8	1736.05	8	1993.48	8	2250.9	8	2471.58	8	2551.72	8	2579.34	8		8		
1/4	197.18	1/4	454.65	1/4	712.13	1/4	969.60	1/4	1226.82	1/4	1483.99	1/4	1741.41	1/4	1998.84	1/4	2256.26	1/4	2475.41	1/4	2552.35	1/4	2579.62	1/4	2581.82	1/4		
1/2	202.55	1/2	460.02	1/2	717.49	1/2	974.96	1/2	1232.17	1/2	1489.35	1/2	1746.78	1/2	2004.2	1/2	2261.63	1/2	2479.24	1/2	2552.98	1/2	2579.89	1/2	2581.82	1/2		
3/4	207.91	3/4	465.38	3/4	722.85	3/4	980.33	3/4	1237.52	3/4	1494.72	3/4	1752.14	3/4	2009.56	3/4	2266.99	3/4	2483.08	3/4	2553.60	3/4	2580.16	3/4	2581.82	3/4		
9	213.27	9	470.75	9	728.22	9	985.69	9	1242.88	9	1500.08	9	1757.50	9	2014.93	9	2272.35	9	2486.91	9	2554.23	9	2580.44	9		9		
1/4	218.64	1/4	476.11	1/4	733.58	1/4	991.05	1/4	1248.23	1/4	1505.44	1/4	1762.87	1/4	2020.29	1/4	2277.71	1/4	2490.74	1/4	2554.86	1/4	2580.63	1/4	2581.82	1/4		
1/2	224.00	1/2	481.47	1/2	738.95	1/2	996.42	1/2	1253.58	1/2	1510.81	1/2	1768.23	1/2	2025.65	1/2	2283.08	1/2	2494.57	1/2	2555.49	1/2	2580.82	1/2	2581.82	1/2		
3/4	229.37	3/4	486.84	3/4	744.31	3/4	1001.78	3/4	1258.93	3/4	1516.17	3/4	1773.59	3/4	2031.02	3/4	2288.44	3/4	2498.40	3/4	2556.12	3/4	2581.02	3/4	2581.82	3/4		
10	234.73	10	492.2	10	749.67	10	1007.15	10	1264.29	10	1521.53	10	1778.96	10	2036.38	10	2293.8	10	2502.24	10	2556.74	10	2581.21	10		10		
1/4	240.09	1/4	497.57	1/4	755.04	1/4	1012.51	1/4	1269.29																			