

Load curves



(ft)			72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft
<b>MAX</b>	13.2 USt	6.6 USt																					
230	10 → 74	136 - 148	13.2	11.8	10.9	9.7	9	8.1	7.6	6.9	6.6	6.6	6.4	5.8	5.5	5	4.7	4.3	4.1	3.8	3.6	3.3	USt
	10 → 75	137 - 148	13.2	11.9	10.9	9.7	9	8.1	7.6	6.9	6.6	6.6	6.4	5.9	5.7	5.3	5	4.6	4.3	4	3.8	3.5	USt <b>P+</b>
213	10 → 78	144 - 155	13.2	12.5	11.5	10.2	9.5	8.6	8.1	7.4	7	6.6	6.6	6.1	5.7	5.2	4.9	4.5	4.3	4	USt		
	10 → 78	144 - 155	13.2	12.5	11.5	10.2	9.5	8.6	8.1	7.4	7	6.6	6.6	6.2	6	5.5	5.2	4.8	4.6	4.3	USt <b>P+</b>		
197	10 → 82	152 - 164	13.2	13.2	12.2	10.9	10.1	9.2	8.6	7.9	7.4	6.9	6.6	6.5	6.1	5.6	5.3	4.9	USt				
	10 → 82	153 - 164	13.2	13.2	12.2	10.9	10.1	9.2	8.6	7.9	7.4	6.9	6.6	6.6	6.3	5.9	5.5	5.1	USt <b>P+</b>				
180	10 → 80	148 - 159	13.2	12.9	11.9	10.6	9.8	8.9	8.3	7.6	7.2	6.7	6.6	6.4	6.1	5.8	USt						
	10 → 80	148 - 159	13.2	12.9	11.9	10.6	9.8	8.9	8.3	7.6	7.2	6.7	6.6	6.4	6.1	5.8	USt <b>P+</b>						
164	10 → 81	149 - 161	13.2	13	11.9	10.6	9.9	8.9	8.4	7.7	7.3	6.7	6.6	6.4	USt								
	10 → 81	149 - 161	13.2	13	11.9	10.6	9.9	8.9	8.4	7.7	7.3	6.7	6.6	6.4	USt <b>P+</b>								
148	10 → 84		13.2	13.2	12.4	11	10.3	9.3	8.7	8	7.6	7	USt										
	10 → 84		13.2	13.2	12.4	11	10.3	9.3	8.7	8	7.6	7	USt <b>P+</b>										
131	10 → 84		13.2	13.2	12.4	11	10.2	9.2	8.6	7.9	USt												
	10 → 84		13.2	13.2	12.4	11	10.2	9.2	8.6	7.9	USt <b>P+</b>												
115	10 → 84		13.2	13.2	12.5	11.1	10.3	9.3	USt														
	10 → 84		13.2	13.2	12.5	11.1	10.3	9.3	USt <b>P+</b>														
98	10 → 84		13.2	13.2	12.5	11.1	USt																
	10 → 84		13.2	13.2	12.5	11.1	USt <b>P+</b>																
82	10 → 82		13.2	13.2	USt																		
	10 → 82		13.2	13.2	USt <b>P+</b>																		

$W_{max} = W - 0.72 \text{ USt max.}$



(ft)			72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft
<b>MAX</b>	13.2 USt	6.6 USt																					
230	8 → 74	137 - 139	13.2	11.9	11	9.7	9.1	8.2	7.7	7	6.6	6.2	5.9	5.4	5	4.5	4.2	3.8	3.6	3.3	3.1	2.9	USt
	8 → 75	138 - 140	13.2	11.9	11	9.7	9	8.2	7.7	7	6.6	6.2	5.9	5.5	5.2	4.8	4.5	4.2	3.9	3.6	3.4	3.1	USt <b>P+</b>
213	8 → 78	145 - 148	13.2	12.6	11.6	10.3	9.6	8.7	8.1	7.4	7	6.6	6.3	5.7	5.3	4.8	4.5	4.1	3.9	3.6	USt		
	8 → 78	145 - 148	13.2	12.6	11.6	10.3	9.6	8.6	8.1	7.4	7	6.6	6.3	5.8	5.6	5.1	4.8	4.4	4.2	3.9	USt <b>P+</b>		
197	8 → 83	153 - 157	13.2	13.2	12.3	10.9	10.2	9.2	8.7	7.9	7.5	6.9	6.6	6.2	5.8	5.2	4.9	4.5	USt				
	8 → 83	154 - 157	13.2	13.2	12.3	11	10.2	9.2	8.7	7.9	7.5	6.9	6.6	6.3	6	5.5	5.2	4.8	USt <b>P+</b>				
180	8 → 81	150 - 152	13.2	13	11.9	10.6	9.9	8.9	8.4	7.7	7.3	6.7	6.5	6.1	5.8	5.4	USt						
	8 → 81	150 - 152	13.2	13	11.9	10.6	9.9	8.9	8.4	7.7	7.3	6.7	6.5	6.1	5.8	5.4	USt <b>P+</b>						
164	8 → 81	151 - 154	13.2	13.1	12	10.7	10	9	8.5	7.7	7.3	6.8	6.6	6.1	USt								
	8 → 81	151 - 154	13.2	13.1	12	10.7	10	9	8.5	7.7	7.3	6.8	6.6	6.1	USt <b>P+</b>								
148	8 → 84		13.2	13.2	12.5	11.1	10.3	9.4	8.8	8.1	7.6	7	USt										
	8 → 84		13.2	13.2	12.5	11.1	10.3	9.4	8.8	8.1	7.6	7	USt <b>P+</b>										
131	8 → 84		13.2	13.2	12.5	11.1	10.3	9.3	8.7	7.9	USt												
	8 → 84		13.2	13.2	12.5	11.1	10.3	9.3	8.7	7.9	USt <b>P+</b>												
115	8 → 85		13.2	13.2	12.5	11.1	10.4	9.4	USt														
	8 → 85		13.2	13.2	12.5	11.1	10.4	9.4	USt <b>P+</b>														
98	8 → 85		13.2	13.2	12.6	11.1	USt																
	8 → 85		13.2	13.2	12.6	11.1	USt <b>P+</b>																
82	8 → 82		13.2	13.2	USt																		
	8 → 82		13.2	13.2	USt <b>P+</b>																		

$W_{max} = W - 0.21 \text{ USt max.}$

Jib weight & counter-jib ballast

MAX	(lb) (+/- 5%)								
				10,141 lb	3,373 lb	$\Sigma$ (lb)	6,768 lb	3,373 lb	$\Sigma$ (lb)
230 ft	32,587	31,744	32,721	5	2	57,452	8	1	57,519
213 ft	31,916	31,140	32,117	5	2	57,452	8	1	57,519
197 ft	31,070	30,360	31,226	5	2	57,452	8	1	57,519
180 ft	29,211	28,501	29,368	5	0	50,706	7	1	50,750
164 ft	29,527	28,817	29,683	5	0	50,706	7	1	50,750
148 ft	27,902	27,192	28,058	4	2	47,311	7	0	47,377
131 ft	27,324	26,614	27,481	4	1	43,938	6	1	43,982
115 ft	25,536	24,826	25,693	4	0	40,565	6	0	40,609
98 ft	24,209	23,499	24,365	3	2	37,170	5	1	37,214
82 ft	22,192	21,482	22,348	3	1	33,797	5	0	33,841

