

Load curves



ft		66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft	
<b>USt</b>	<b>USt</b>	<b>USt</b>										<b>USt</b>												
<b>USt</b>	<b>USt</b>	<b>USt</b>										<b>USt</b>												
230	10 → 67	125 - 135	13.2	12.2	10.6	9.8	8.7	8.1	7.3	6.8	6.6	6.5	6	5.7	5.2	4.9	4.5	4.2	3.9	3.7	3.4	3.2	3	USt
	10 → 69	128 - 138	13.2	12.5	11	10.1	9	8.3	7.5	7	6.6	6.6	6.2	5.9	5.4	5	4.6	4.3	4	3.8	3.5	3.3	3.1	USt <b>P+</b>
213	10 → 70	129 - 138	13.2	12.8	11.1	10.2	9.1	8.4	7.6	7.1	6.6	6.6	6.1	5.8	5.3	5	4.6	4.4	4	3.8	3.6			USt
	10 → 72	132 - 141	13.2	13.2	11.5	10.5	9.3	8.7	7.8	7.3	6.7	6.6	6.3	6	5.5	5.2	4.7	4.5	4.2	3.9	3.7			USt <b>P+</b>
197	10 → 74	137 - 146	13.2	13.2	11.9	10.9	9.7	9	8.1	7.6	7	6.6	6.5	6.2	5.7	5.4	5	4.7	4.4					USt
	10 → 77	140 - 149	13.2	13.2	12.1	11.2	10	9.3	8.4	7.9	7.2	6.8	6.6	6.4	5.9	5.5	5.1	4.8	4.5					USt <b>P+</b>
180	10 → 75	136 - 146	13.2	13.2	12	11	9.7	9	8.1	7.6	6.9	6.6	6.5	6.2	5.8	5.5	5.2							USt
	10 → 77	139 - 149	13.2	13.2	12.3	11.3	10	9.2	8.3	7.8	7.1	6.7	6.6	6.4	5.9	5.7	5.3							USt <b>P+</b>
164	10 → 77	138 - 149	13.2	13.2	12.3	11.2	9.9	9.2	8.3	7.8	7.1	6.6	6.6	6.3	5.9									USt
	10 → 80	144 - 155	13.2	13.2	12.8	11.7	10.4	9.6	8.7	8.1	7.4	7	6.6	6.6	6.2									USt <b>P+</b>
148	10 → 79	143 - 148	13.2	13.2	12.7	11.6	10.3	9.6	8.6	8.1	7.3	6.9	6.6											USt
	10 → 82		13.2	13.2	13.2	12.2	10.8	10	9	8.4	7.7	7.3	6.7											USt <b>P+</b>
131	10 → 81		13.2	13.2	13.1	12	10.6	9.9	8.9	8.3	7.6													USt
	10 → 84		13.2	13.2	13.2	12.4	11	10.2	9.2	8.6	7.9													USt <b>P+</b>
115	10 → 81		13.2	13.2	13	11.9	10.5	9.8	8.8															USt
	10 → 84		13.2	13.2	13.2	12.4	11	10.2	9.2															USt <b>P+</b>
98	10 → 81		13.2	13.2	13.1	12	10.6																	USt
	10 → 84		13.2	13.2	13.2	12.5	11.1																	USt <b>P+</b>
82	10 → 80		13.2	13.2	12.7																			USt
	10 → 82		13.2	13.2	13.2																			USt <b>P+</b>

$U_{St} = U_{St} - 0.66 U_{St} \text{ max.}$



ft		66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft	
<b>USt</b>	<b>USt</b>	<b>USt</b>										<b>USt</b>												
<b>USt</b>	<b>USt</b>	<b>USt</b>										<b>USt</b>												
230	8 → 67	126 - 128	13.2	12.2	10.7	9.9	8.8	8.2	7.4	6.9	6.4	6.1	5.6	5.3	4.8	4.5	4.1	3.8	3.5	3.3	3	2.8	2.6	USt
	8 → 69	129 - 131	13.2	12.6	11	10.2	9	8.4	7.6	7.1	6.6	6.2	5.8	5.5	5	4.6	4.2	3.9	3.6	3.4	3.1	2.9	2.65	USt <b>P+</b>
213	8 → 70	130 - 132	13.2	12.9	11.2	10.3	9.1	8.5	7.6	7.2	6.6	6.3	5.7	5.4	5	4.7	4.3	4	3.7	3.5	3.2			USt
	8 → 73	133 - 135	13.2	13.2	11.5	10.6	9.4	8.7	7.9	7.4	6.7	6.4	5.9	5.6	5.1	4.8	4.4	4.1	3.8	3.6	3.3			USt <b>P+</b>
197	8 → 75	138 - 140	13.2	13.2	12	11	9.8	9.1	8.2	7.7	7	6.6	6.2	5.9	5.4	5	4.6	4.4	4					USt
	8 → 77	141 - 143	13.2	13.2	12.2	11.3	10.1	9.4	8.5	7.9	7.2	6.8	6.4	6	5.5	5.2	4.8	4.5	4.2					USt <b>P+</b>
180	8 → 76	137 - 140	13.2	13.2	12	11	9.8	9.1	8.1	7.6	6.9	6.6	6.2	5.9	5.4	5.2	4.8							USt
	8 → 77	140 - 143	13.2	13.2	12.4	11.3	10	9.3	8.4	7.8	7.1	6.7	6.4	6	5.6	5.3	5							USt <b>P+</b>
164	8 → 77	140 - 143	13.2	13.2	12.3	11.3	10	9.3	8.4	7.8	7.1	6.7	6.3	6	5.6									USt
	8 → 80	145 - 148	13.2	13.2	12.9	11.8	10.5	9.7	8.8	8.2	7.5	7	6.6	6.3	5.9									USt <b>P+</b>
148	8 → 80	144 - 148	13.2	13.2	12.8	11.7	10.4	9.6	8.7	8.1	7.4	7	6.6											USt
	8 → 83		13.2	13.2	13.2	12.2	10.9	10.1	9.1	8.5	7.8	7.3	6.7											USt <b>P+</b>
131	8 → 82		13.2	13.2	13.2	12.1	10.7	9.9	8.9	8.4	7.6													USt
	8 → 84		13.2	13.2	13.2	12.5	11.1	10.3	9.3	8.7	7.9													USt <b>P+</b>
115	8 → 81		13.2	13.2	13	11.9	10.6	9.8	8.8															USt
	8 → 84		13.2	13.2	13.2	12.5	11.1	10.3	9.3															USt <b>P+</b>
98	8 → 82		13.2	13.2	13.2	12.1	10.7																	USt
	8 → 85		13.2	13.2	13.2	12.6	11.1																	USt <b>P+</b>
82	8 → 80		13.2	13.2	12.8																			USt
	8 → 82		13.2	13.2	13.2																			USt <b>P+</b>

$U_{St} = U_{St} - 0.2 U_{St} \text{ max.}$

Jib weight & counter-jib ballast

ft	CBS (lb) (+/- 5%)			CBS (lb)			CBS (lb)		
	USt	USt	USt	10,141 lb	3,373 lb	USt (lb)	6,768 lb	3,373 lb	USt (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

