

Load curves



(ft)			56	66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	ft	
	6.6 USt	3.3 USt																		
180	9 → 67	116 - 126	6.6	6.6	6	5.2	4.8	4.2	3.8	3.4	3.3	3.1	2.95	2.7	2.5	2.3	2.15	1.95	USt	
	9 → 68	118 - 130	6.6	6.6	6.2	5.3	4.8	4.2	3.9	3.4	3.3	3.3	3.1	2.8	2.65	2.45	2.3	2.1	USt <b>P+</b>	
164	9 → 73	123 - 135	6.6	6.6	6.6	5.7	5.1	4.5	4.1	3.6	3.4	3.3	3.2	2.95	2.8	2.55			USt	
	9 → 74	127 - 138	6.6	6.6	6.6	5.8	5.3	4.6	4.2	3.8	3.5	3.3	3.3	3.1	2.9	2.65			USt <b>P+</b>	
148	9 → 71	126 - 140	6.6	6.6	6.4	5.6	5.1	4.5	4.2	3.7	3.5	3.3	3.3	3.1					USt	
	9 → 77	135 - 148	6.6	6.6	6.6	6.1	5.6	5	4.6	4.1	3.8	3.4	3.3	3.3					USt <b>P+</b>	
131	9 → 68	122 - 131	6.6	6.6	6.2	5.4	4.9	4.3	4	3.6	3.3	3.3							USt	
	9 → 74		6.6	6.6	6.6	5.9	5.4	4.8	4.4	3.9	3.7	3.3							USt <b>P+</b>	
115	9 → 68		6.6	6.6	6.2	5.4	4.9	4.3	4	3.6									USt	
	9 → 74		6.6	6.6	6.6	5.9	5.4	4.8	4.4	3.9									USt <b>P+</b>	
98	9 → 73		6.6	6.6	6.6	5.8	5.3	4.7											USt	
	9 → 80		6.6	6.6	6.6	6.4	5.9	5.2											USt <b>P+</b>	
82	9 → 72		6.6	6.6	6.6	5.7													USt	
	9 → 79		6.6	6.6	6.6	6.3													USt <b>P+</b>	

$W = L - 0.42 \text{ USt max.}$



(ft)			56	66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	ft	
	6.6 USt	3.3 USt																		
180	7 → 69	121 - 121	6.6	6.6	6.2	5.4	5	4.4	4	3.6	3.3	3	2.8	2.55	2.4	2.15	2.05	1.85	USt	
	7 → 70	124 - 125	6.6	6.6	6.4	5.5	5	4.4	4.1	3.7	3.4	3.1	2.95	2.7	2.5	2.3	2.2	1.95	USt <b>P+</b>	
164	7 → 75	128 - 131	6.6	6.6	6.6	5.9	5.3	4.7	4.3	3.8	3.6	3.3	3.1	2.8	2.65	2.45			USt	
	7 → 76	133 - 133	6.6	6.6	6.6	6	5.5	4.8	4.4	4	3.7	3.4	3.2	2.95	2.75	2.55			USt <b>P+</b>	
148	7 → 73	132 - 135	6.6	6.6	6.6	5.8	5.3	4.7	4.4	3.9	3.7	3.3	3.2	2.95					USt	
	7 → 79	141 - 142	6.6	6.6	6.6	6.4	5.8	5.2	4.8	4.3	4	3.6	3.4	3.2					USt <b>P+</b>	
131	7 → 70	128 - 131	6.6	6.6	6.4	5.6	5.1	4.5	4.2	3.8	3.5	3.3							USt	
	7 → 76		6.6	6.6	6.6	6.1	5.6	5	4.6	4.1	3.9	3.5							USt <b>P+</b>	
115	7 → 70		6.6	6.6	6.4	5.6	5.1	4.5	4.2	3.8									USt	
	7 → 76		6.6	6.6	6.6	6.1	5.6	5	4.6	4.1									USt <b>P+</b>	
98	7 → 75		6.6	6.6	6.6	6	5.5	4.9											USt	
	7 → 82		6.6	6.6	6.6	6.6	6.1	5.4											USt <b>P+</b>	
82	7 → 74		6.6	6.6	6.6	5.9													USt	
	7 → 81		6.6	6.6	6.6	6.5													USt <b>P+</b>	

$W = W - 0.08 \text{ USt max.}$

Jib weight & counter-jib ballast

	(lb) - 25 LVF (+/- 5%)					(lb)
				7,937 lb	2,425 lb	
180 ft	16,925	16,616	17,262	2	5	27,999
164 ft	16,495	16,186	16,832	2	5	27,999
148 ft	15,988	15,679	16,325	2	4	25,574
131 ft	15,338	15,029	15,675	2	3	23,149
115 ft	14,588	14,279	14,925	2	2	20,723
98 ft	13,986	13,678	14,323	2	2	20,723
82 ft	13,186	12,877	13,523	2	1	18,298

CAU - 7,937 lb

CAV - 2,425 lb

