

Load curves



 (ft)			56	66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	ft	
	 8.8 USt	 4.4 USt																				
197	9 → 63	106 - 113	8.8	8.4	7.5	6.4	5.7	4.9	4.5	4.3	4	3.6	3.4	3.1	2.85	2.6	2.4	2.2	2.05	1.9	USt	
	9 → 65	106 - 115	8.8	8.6	7.7	6.4	5.7	4.9	4.5	4.4	4.1	3.7	3.5	3.2	3	2.75	2.55	2.35	2.15	2	USt P+	
180	9 → 68	113 - 121	8.8	8.8	8.2	7	6.2	5.4	4.9	4.4	4.4	4	3.7	3.4	3.2	2.85	2.7	2.45		USt		
	9 → 68	113 - 122	8.8	8.8	8.2	7	6.2	5.4	4.9	4.4	4.4	4	3.8	3.5	3.3	3	2.8	2.6		USt P+		
164	9 → 66	120 - 129	8.8	8.8	8	7	6.4	5.6	5.2	4.7	4.4	4.3	4	3.7	3.5	3.2				USt		
	9 → 72	120 - 131	8.8	8.8	8.6	7.5	6.8	5.9	5.3	4.7	4.4	4.4	4.1	3.8	3.6	3.3				USt P+		
148	9 → 71	128 - 138	8.8	8.8	8.6	7.4	6.8	6	5.6	5	4.7	4.4	4.4	4							USt	
	9 → 77	129 - 139	8.8	8.8	8.8	8.1	7.4	6.4	5.8	5.2	4.8	4.4	4.4	4.1							USt P+	
131	9 → 71	129 - 131	8.8	8.8	8.6	7.5	6.9	6.1	5.6	5.1	4.7	4.4									USt	
	9 → 77		8.8	8.8	8.8	8.2	7.5	6.6	6.2	5.6	5.2	4.8									USt P+	
115	9 → 71		8.8	8.8	8.6	7.5	6.9	6.1	5.6	5.1											USt	
	9 → 76		8.8	8.8	8.8	8.1	7.5	6.6	6.1	5.5											USt P+	
98	9 → 71		8.8	8.8	8.6	7.5	6.9	6.1														
	9 → 76		8.8	8.8	8.8	8.1	7.5	6.6														USt P+
82	9 → 75		8.8	8.8	8.8	8																
	9 → 79		8.8	8.8	8.8	8.5																USt P+

$W_{1.4} = W_{1.3} - 0.54 \text{ USt max.}$



 (ft)			56	66	72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	ft	
	 8.8 USt	 4.4 USt																				
197	7 → 64	109 - 109	8.8	8.6	7.7	6.6	5.9	5.1	4.6	4.1	3.9	3.5	3.2	2.9	2.7	2.45	2.25	2.05	1.9	1.7	USt	
	7 → 66	110 - 110	8.8	8.8	7.8	6.6	5.9	5.1	4.7	4.2	3.9	3.6	3.3	3	2.85	2.55	2.4	2.15	2	1.85	USt P+	
180	7 → 69	116 - 116	8.8	8.8	8.3	7.1	6.4	5.6	5.1	4.5	4.2	3.8	3.5	3.2	3	2.7	2.5	2.3			USt	
	7 → 70	117 - 118	8.8	8.8	8.4	7.1	6.4	5.6	5.1	4.5	4.3	3.9	3.6	3.3	3.1	2.85	2.65	2.4			USt P+	
164	7 → 68	123 - 125	8.8	8.8	8.2	7.1	6.6	5.8	5.4	4.9	4.5	4.1	3.9	3.5	3.3	3					USt	
	7 → 73	124 - 126	8.8	8.8	8.8	7.7	7	6.1	5.5	4.9	4.5	4.2	3.9	3.6	3.4	3.2					USt P+	
148	7 → 72	132 - 135	8.8	8.8	8.8	7.6	7	6.2	5.8	5.2	4.9	4.4	4.2	3.9							USt	
	7 → 78	133 - 135	8.8	8.8	8.8	8.3	7.6	6.6	6	5.3	5	4.5	4.3	4							USt P+	
131	7 → 72		8.8	8.8	8.8	7.7	7	6.3	5.8	5.3	4.9	4.5									USt	
	7 → 78		8.8	8.8	8.8	8.3	7.7	6.8	6.3	5.7	5.4	4.9									USt P+	
115	7 → 72		8.8	8.8	8.8	7.7	7	6.3	5.8	5.3											USt	
	7 → 78		8.8	8.8	8.8	8.3	7.6	6.8	6.3	5.7											USt P+	
98	7 → 73		8.8	8.8	8.8	7.7	7.1	6.3														USt
	7 → 78		8.8	8.8	8.8	8.3	7.6	6.8														USt P+
82	7 → 76		8.8	8.8	8.8	8.1																
	7 → 81		8.8	8.8	8.8	8.6																USt P+

$W_{1.4} = W_{1.3} - 0.2 \text{ USt max.}$

Jib weight & counter-jib ballast

ft	 (lb) - 33 LVF (+/- 5%)					Σ (lb)
				7,937 lb	2,425 lb	
197 ft	19,687	19,290	20,040	3	4	33,510
180 ft	19,257	18,861	19,610	3	4	33,510
164 ft	18,750	18,354	19,103	3	3	31,085
148 ft	18,100	17,703	18,453	3	3	31,085
131 ft	17,350	16,954	17,703	3	2	28,660
115 ft	16,535	16,138	16,887	3	1	26,235
98 ft	15,734	15,338	16,087	3	0	23,810
82 ft	14,912	14,515	15,265	2	3	23,149

CAU - 7,937 lb

CAV - 2,425 lb

