

TRINITY – Main Hoist
Ram 125 Ton 100 FT Boom
Maximum Safe Working Load

Serial No. 125-050-3013

BOOM RADIUS (FEET)	BOOM ANGLE (DEGREES)	STATIC RATING (X 1000 LBS)	DYNAMIC RATING (X 1000 LBS)
25	80	250,000	166,667
30	77	250,000	166,667
35	74	216,000	144,000
40	71	188,000	125,333
45	68	165,000	110,000
50	65	147,000	98,000
55	62	131,000	87,333
60	58	118,000	78,667
65	55	106,000	70,667
70	51	97,000	64,667
75	48	89,000	59,333
80	43	80,000	53,333
85	39	72,000	48,000
90	34	66,000	44,000
95	28	62,000	41,333
100	21	56,000	37,333
105	10	51,000	34,000
105	0	45,000	30,000

- Auxiliary Hoist Maximum Safe Working Load 12,000 LBS One Part, 24,000 LBS Two part at all Radii.

BASIS OF RATING:

- Static Rating are for lifting and landing loads on the platform.
- Dynamic Rating are for lifting and landing loads on a floating vessel.
- Rating does not include weight of Hook Block, Overhaul Ball, Slings and Rigging.
- Load Chart Radius from Center of Rotation to Center of Gravity of Load.

RIGGING:

- Main Hoist: Eight Part Reeving of 1-1/8" Wire Rope Rotation Resistant Right Regular Lay with a Minimum Breaking Strength of 156,250 LBS.
- Auxiliary Hoist: One Part Reeving of 3/4" Wire Rope Rotation Resistant Right Regular Lay with a Minimum Breaking Strength of 60,000 LBS.
- Boom Hoist: Eleven Part Reeving of 1" Wire Rope 6x19 EEIP IWRC (or equal) Right Regular Lay with a Minimum Breaking Strength of 115,000 LBS.
- Pendants: 2" Wire Rope 6x19 EEIP IWRC Right Regular Lay with a Minimum Breaking Strength of 400,000 LBS EA.

Trinity - Main
NAUTILUS MODEL 7000-90

LOAD CAPACITY CHART

LOAD RADIUS (FEET)	BOOM ANGLE (DEGREES)	STATIC RATED LOAD (KIPS)	DYNAMIC RATED LOAD (KIPS)	AUX STATIC RATED LOAD (KIPS)
10	83.2	129.2	96.9	6.45
15	79.7	111.1	83.3	6.45
20	76.1	88.3	66.2	6.45
25	72.5	73.6	55.2	6.45
30	38.8	63.2	47.4	6.45
35	65.0	55.5	41.6	6.45
40	61.0	49.5	37.1	6.45
45	56.9	44.5	33.4	6.45
50	52.5	40.4	30.3	6.45
55	47.9	36.8	27.6	6.45
60	42.8	33.6	25.2	6.45
65	37.2	30.5	22.9	6.45
70	30.6	27.3	20.5	6.45
75	22.2	23.6	17.7	6.45
80	4.2	15.3	11.5	6.45

- NOTES:**
- 1. Ratings based on 10 parts of ¾” Dyform 18 or equal wire rope.**
 - 2. Subtract weight of block and rigging from hoist capacities.**
 - 3. Personnel rated 2500 lbs.**