



# LAREDO

## M/V Trinity – Class 200 Liftboat – Vessel Specifications

### Main Characteristics

Overall Length	98 ft
Overall Beam	78 ft
Hull Depth	13 ft
Design Draft	9 ft 5 in (based upon deck load)
Total Deck Space	3,771 sq ft
Usable Deck Space	3,200 sq ft
Fuel Capacity	11,300 gal
Potable Water	16,126 gal
Gross Tonnage	Under 200 GRT
Max Deck Cargo	Variable / Contingent on water depth

### Special Features

VIP Stateroom	(2) Company Rep Room with Workspace; Private Shower and Toilet
Lounge Room	Seating and TV

### Registration

Flag	United States
------	---------------

### Jacking

Max Working Depth	154 ft (with 20 ft air gap) (176 ST DL)
Max Height of Deck	187 ft (above mud line less penetration)
Max Sea Conditions	4 ft (hard bottom) / 5 ft (soft bottom)

### Legs

Number	3
Length	200 ft
Diameter	66 in
Wal Thickness	3/4 in Braced

### Navigation / Communication Equipment

Navigation	Electronic Bridge Navigation System
Communications	Satellite (phone, fax, internet, email)
Radios	Multichannel VHF Marine Radio; SSB
Compass	Electronic
Positioning	GPS System: AIS
Radar	Furuno ARPA System
Depth	Fathometer
Weather	Weather Receivers: Anemometer

### Cranes (API 2C Certified)

Main	Capacity – 125 tons Boom Length – 105 ft Engine – Iveco
Auxiliary	Capacity – 70 tons Boom Length – 90 ft Engine – 6V-71N GM
Bow to Center of Pedestal	14 ft 4 in and 13 ft 4 in above deck



### Generators

Engines	(2) CAT 3406
Generators	(2) 175 ekW

### Pads

Length	36 ft
Width	15 ft
Depth	2 ft 6 in

### Propulsion

Main Engines	(2) CAT 3412
Shaft Horsepower	Approx 1340 SHP
Bow Thrusters	250 HP
Estimated Speed	4 - 5 knots

### Accessories

Submersible Pumps	(2)
Welding Machines	(2) 400 Amp
Air Compressors	(2)

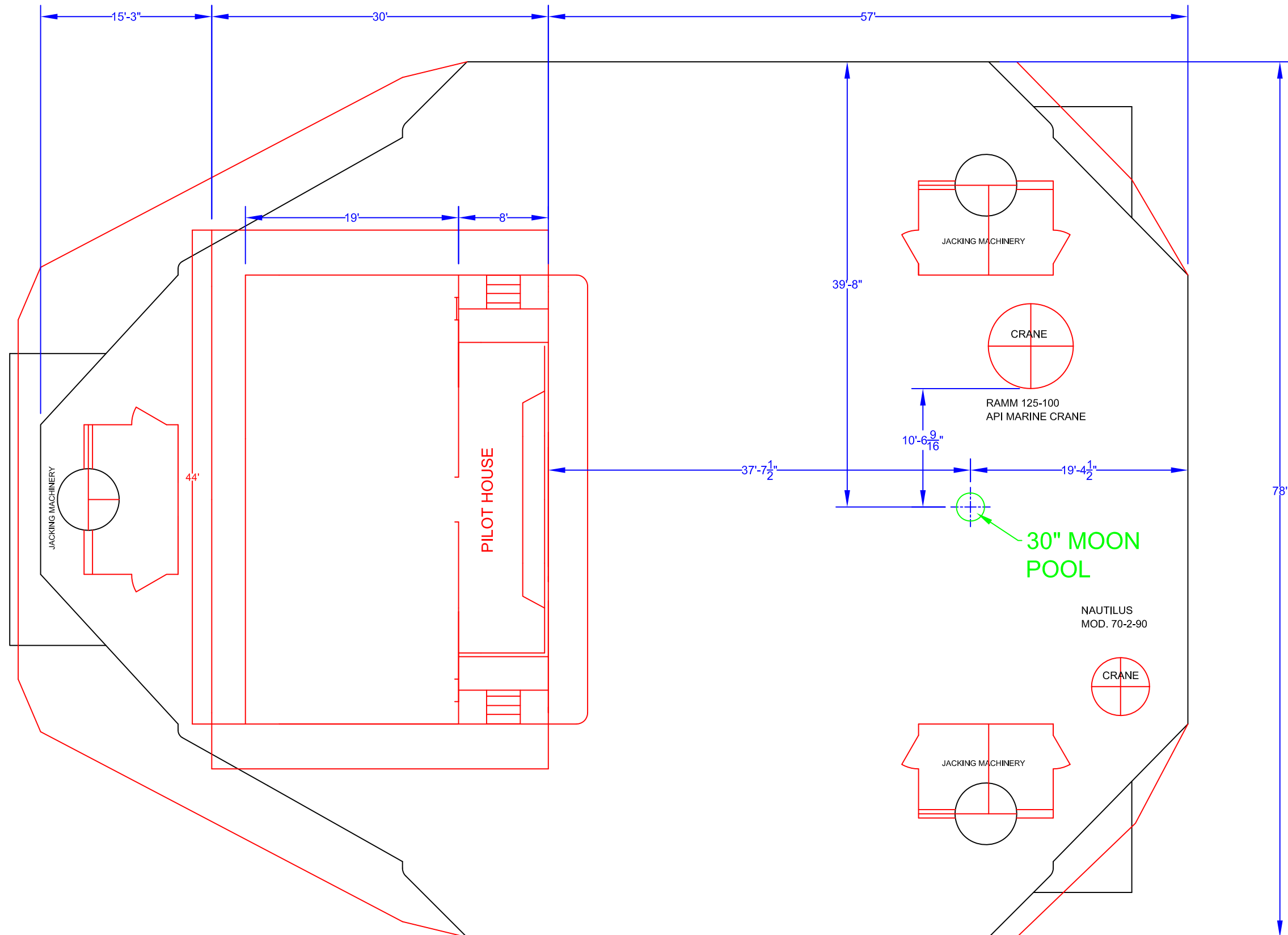
### Accommodations

Berths	Total 35 (6 crew / 29 PAC's)
Climate	(5) Central A/C and Heating Units
Lounge	Satellite TV and Sofas
Lavatory Facilities	(6)
Galley	(20) Seats; Freezer and Icemaker
Laundry	(2) Washers and Dryers

### Moon Pool

30 in Diameter

# CLASS 190 LIFTBOAT M/V TRINITY



## LOAD CAPACITY CHART

LAREDO OFFSHORE L/B TRINITY

MFG. NAUTILUS

BOOM LENGTH: 90 FT.

S/N: 1228882079

MODEL: 70-2-90

MAIN HOIST ROPE: 3/4" X 1,300' DYFORM 18

AUX. HOIST ROPE: 5/8" X 350' DYFORM 18

MAIN LOAD BLOCK WEIGHT: 1,500 LBS.

AUX. BALL WEIGHT: 286 LBS.

MAIN HOIST				AUXILLIARY HOIST		
RADIUS OF LOAD (FEET)	BOOM ANGLE IN DEGREES	EIGHT (8) PART REEVING		ONE (1) PART REEVING		
		STATIC (LBS.)	DYNAMIC (LBS.)	STATIC (LBS.)	DYNAMIC (LBS.)	PERSONNEL CAPACITY (LBS.)
10'	83	94,867	66,667	6,450	6,450	2,000
15'	80	91,684	62,834	6,450	6,450	2,000
20'	77	88,500	59,000	6,450	6,450	2,000
25'	74	76,250	50,834	6,450	6,450	2,000
30'	71	64,000	42,667	6,450	6,450	2,000
35'	66	59,450	39,640	6,450	6,450	2,000
40'	60	54,920	36,613	6,450	6,450	2,000
45'	59	47,360	31,573	6,450	6,450	2,000
50'	56	39,800	26,533	6,450	6,450	2,000
55'	52	36,050	24,033	6,450	6,450	2,000
60'	48	32,300	21,533	6,450	6,450	2,000
65'	43	29,550	19,700	6,450	6,450	2,000
70'	39	26,800	17,867	6,450	6,450	2,000
74'	34	24,400	16,267	6,450	6,450	2,000
78'	29	22,000	14,667	6,450	6,450	2,000
83'	21	16,945	11,634	6,450	6,450	2,000
87'	16	12,900	8,600	6,450	6,450	2,000
90'	0	9,000	6,000	6,450	6,000	2,000

1. ALLOWABLE LIFTING CAPACITIES SHOWN ABOVE DO NOT INCLUDE WEIGHT OF MAIN LOAD BLOCK, AUXILLARY BALL OR RIGGING. THESE WEIGHTS MUST BE INCLUDED IN THE OVERALL LIFT WEIGHT
2. USE STATIC CAPACITY FOR LIFTING TO OR FROM STATIONARY OBJECT, i.e. PLATFORM/DOCK
3. USE DYNAMIC CAPACITY FOR LIFTING TO OR FROM A MOVING VESSEL OR UNKNOWN ENVIRONMENTAL FORCES.
4. MAIN LOAD LINE LIFTING CAPACITIES REFLECT A BRADEN (CH240A-53120-02-1) WINCH. WIRE ROPE EFFICIENCY IS ACCOUNTED FOR.

**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
106	1	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.