



TRINITY

LIFTBOAT SERVICES, LLC

TRINITY II

Official No.: 653353

Year Built: 1982

Call Sign: WDA 5234

- 145' Legs
- 2,750 Square Feet of Total Deck Area
- 149,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 95'
- Sleeps 28 Persons, Including a Standard Crew Complement of 6
- Can Travel with 16 Passengers

Gross Tons: 185 ITC:
Net Tons: 125

- USCG Inspected
- ABS Classed
- SOLAS Classed
- SOLAS Ready
- Moonpool Equipped
- Zero Discharge Capable
- Zero Discharge Ready

Hull Dimensions

Length Overall (ft.)	94'
Length (Barge Only) (ft.)	81'
Beam Overall (ft.)	63'
Beam (Barge Only) (ft.)	38'
Hull Depth (ft.)	8'
Design Draft (ft./in.)	6' 6"
Open Deck Area (sq. ft.)	2,379
(38 x 51 Irregular + Sponsors)	

Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	4-71
Generator Output	(One) 1 50 kw (One) 1 75 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

Leg Dimensions

Internally Braced

Number of Legs	3
Leg Length (ft.)	145'
Leg Diameter (in.)	42"
LegWall (in.)	0.75"
Leg Tower Height (ft.)	13'
Triangle: 51 P/S x 70 AFT	

Capacities

Diesel Fule (gal.)	4,452
Potable Water (gal.)	10,104
<input type="checkbox"/> Watermaker Equipped	

Pad Dimensions

Pad Length (ft.)	24'
Pad Width (ft.)	12'
Pad Depth (ft.)	3'

Comments: Raked at both ends

Electronic Aids & Communications

- Compass
- GPS/DGPS
- Loran
- Radar
- Fathometer
- Loudhailer
- Satellite Phone
- Cellular Phone
- Private Freq Radiotelephone
- VHF Radio
- Single Sideband Radio
- GMDSS

Crane Specifications	Port	Starboard
Make	Nautilus	Nautilus
Model	70-2-90	10-2-50
Load Rating (tons)	35	7
Boom Type	Fixed (Box)	Telescoping
Boom Length (ft.)	90'	50'
Crane Inst. Type	Pedestal	Pedestal

All published load ratings are based upon a 20 ft. radius

Personal Accommodations Features

Total Sleeping Accommodations	28
VIP Accommodations	2
Crew Accommodations	6
Contractor Accommodations	20

Other Features

- VIP Office
- Galley & Dining
- TV Lounge
- Laundry Facility
- Air Conditioned/Heated

Propulsion

Bow Thruster Equipped

Mains - Make	Detroit Diesel
Mains - Model	12V71
Horsepower	800
Clutch Make/Reduction	Twin Disk 3.5:1

Performance Characteristics

Estimated Speed	5 mph/ 4.34 knots
Max Separation, Pad to Deck (ft.)	132'
Max Working Water Depth (ft.)	95'
Min Working Water Depth (ft.)	8'
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

CRANE INFORMATION | TRINITY II

MODEL - NAUTEK 70-2-90

PORT

BOOM LENGTH 90'							
CRANE I		PERSONAL LIFTS AUXILIARY HOIST		1 PART AUXILIARY HOIST		8 PART MAIN HOIST	
RADIUS IN FEET	ANGLE DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	83	6,350B	6,350B	12,701B	12,701B	70,000A	46,667A
20	77	6,350B	6,350B	12,701B	12,701B	67,500A	45,000A
30	71	6,350B	6,350B	12,701B	12,701B	61,000A	40,667A
40	60	6,350B	6,350B	12,701B	12,701B	50,300A	33,533A
50	56	6,350B	6,350B	12,701B	12,701B	39,800A	26,533A
60	48	6,350B	6,350B	12,701B	12,701B	32,300A	21,533A
70	39	6,350B	6,350B	12,701B	12,701B	26,800A	17,867A
80	27	6,350B	6,350B	12,701B	12,701B	18,800A	12,533A
90	1	6,350B	6,000B	9,000A	6,000B	9,000A	6,000A

HEELPIN IS 11FT. 6IN. FROM BOW AND 16FT. ABOVE DECK

NOTES:

1. STATIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM STATIONARY PLATFORMS
2. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTS TO AND FROM VESSELS
3. "A" LOADS ARE LIMITED BY STRUCTURAL CRANE CAPACITY
4. "B" LOADS ARE LIMITED BY WIRE ROPE CAPACITY
5. "C" LOADS ARE LIMITED BY AVAILABLE HOIST LINE PULL
6. 200 LB-AUXILIARY BALL MUST BE DEDUCTED FROM THE ABOVE LOADS
7. 1,500 LB LOAD BLOCK MUST BE DEDUCTED FROM THE ABOVE LOADS
8. 64,800 BREAKING STRENGTH 3/4" DIAMETER DYFORM 18 AUXILIARY WIRE ROPE
9. 87,600 BREAKING STRENGTH 7/8" DIAMETER DYFORM 18 MAIN WIRE ROPE

MODEL - NAUTILUS 10-2-50

STBD

BOOM LENGTH 30'							
CRANE II		PERSONAL LIFTS AUXILIARY HOIST		1 PART AUXILIARY HOIST		2 PART MAIN HOIST	
RADIUS IN FEET	ANGLE IN DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	68	3,626B	3,626B	7,252B	7,252B	14,356B	13,333A
15	60	3,626B	3,626B	7,252B	7,252B	14,356B	10,000A
22	45	3,626B	3,626B	7,252B	6,000A	9,000A	6,000A
26	30	3,626B	3,626B	7,252B	5,000A	7,500A	5,000A
30	0	3,626B	3,626B	7,252B	3,330A	5,000A	3,330A
BOOM LENGTH 50'							
13	75	3,626B	3,626B	7,252B	7,252B	14,356B	10,000A
25	60	3,626B	3,626B	7,252B	5,333A	8,000A	5,333A
35	45	3,626B	3,626B	5,500A	3,667A	5,500A	3,667A
43	30	3,626B	2,667A	4,000A	2,667A	4,000A	2,667A
47	15	3,250B	2,167A	3,250A	2,167A	3,250A	2,167A
50	0	3,000A	2,000A	3,000A	2,000A	3,000A	2,000A

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VESSEL LAYOUT | TRINITY II

