



TRINITY
LIFTBOAT SERVICES, LLC

TRINITY IV

Official No.: 630849

Year Built: 1980

Call Sign: WDA 5230

- 145' Legs
- 2,244 Square Feet of Total Deck Area
- 130,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 90'
- Sleeps 22 Persons, Including a Standard Crew Complement of 4
- Can Travel with 16 Passengers

Gross Tons: 177.67 ITC:
Net Tons: 120

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

Hull Dimensions

Length Overall (ft.)	87.6'
Length (Barge Only) (ft.)	75'
Beam Overall (ft.)	61'
Beam (Barge Only) (ft.)	36'
Hull Depth (ft.)	7'
Design Draft (ft./in.)	6' 0"
Open Deck Area (sq. ft.)	1,528
(36 x 48) Irregular	

Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	4-71
Generator Output	Two (2) 50 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

Capacities

Diesel Fule (gal.)	4,032
Potable Water (gal.)	7,844
<input type="checkbox"/> Watermaker Equipped	

Leg Dimensions

- Internally Braced

Number of Legs	3
Leg Length (ft.)	145'
Leg Diameter (in.)	42"
LegWall (in.)	0.625"-0.750"
Leg Tower Height (ft.)	14'
Triangle: 50 P/S x 62 AFT	

Electronic Aids & Communications

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

Pad Dimensions

Pad Length (ft.)	24'
Pad Width (ft.)	12'
Pad Depth (ft.)	2'

Comments: Raked at both ends

Personnel Accommodations Features

Total Sleeping Accommodations	22
VIP Accommodations	1
Crew Accommodations	4
Contractor Accommodations	17

Crane Specifications

	Port	Starboard
Make	Allied	Nautilus
Model	TB50-70	40-2-70
Load Rating (tons)	25	35
Boom Type	Telescoping	Fixed (Box)
Boom Length (ft.)	70'	70'
Crane Inst. Type	Pedestal	Pedestal

- Bow Thruster Equipped

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

Propulsion

Mains - Make	Detroit Diesel
Mains - Model	12V71
Horsepower Approx.	720 SHP
Clutch Make/Reduction	3.5:1

Other Features

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

Performance Characteristics

Estimated Speed	5 MPH/ 4.34 knots
Max Separation, Pad to Deck (ft.)	131'
Max Working Water Depth (ft.)	90'
Min Working Water Depth (ft.)	7'6"
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

CRANE INFORMATION | TRINITY IV

MODEL - ALLIED MARINE 30-50-70

PORT

30 FT BOOM RETRACTED									
CRANE I		6 PART MAIN		4 PART MAIN		1 PART AUX		PERSONNEL AUX	
RADIUS IN FEET	ANGLE DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
4		50,000A	33,333A	34,595B	33,333A	6,586B	6,586B	3,293B	3,293B
15		41,000A	27,333A	34,595B	27,333A	6,586B	6,586B	3,293B	3,293B
22		30,000A	20,000A	30,000A	20,000A	6,586B	6,586B	3,293B	3,293B
26		24,000A	16,000A	24,000A	16,000A	6,586B	6,586B	3,293B	3,293B
29		20,000A	13,333A	20,000A	13,333A	6,586B	6,586B	3,293B	3,293B
30		17,000A	11,333A	17,000A	11,333A	6,586B	6,586B	3,293B	3,293B
50 FT BOOM RETRACTED									
10	82	40,000A	26,657A	34,595B	26,567A	6,586B	6,586B	3,293B	3,293B
35	60	19,400A	12,933A	19,400A	12,933A	6,586B	6,586B	3,293B	3,293B
50	45	12,900A	5,600A	12,900A	8,600A	6,586B	6,586B	3,293B	3,293B
60	30	9,900A	6,800A	9,930A	6,800A	6,586B	6,586B	3,293B	3,293B
65	15	8,500A	5,667A	8,500A	5,667A	6,586B	5,667A	3,293B	3,293B
70	8	8,200A	5,467A	8,200A	5,467A	6,586B	5,467A	3,293B	3,293B
70 FT BOOM RETRACTED									
10	82	16,800A	11,200A	18,800A	11,200A	6,586B	6,586B	3,293B	3,293B
35	69	10,000A	5,567A	10,000A	5,567A	6,586B	6,586B	3,293B	3,293B
50	45	6,600A	4,400A	6,600A	4,400B	6,586B	4,400A	3,293B	3,293B
6	30	5,000A	3,333A	5,000A	3,333B	5,000A	3,333A	3,293B	2,800B
66	15	4,200A	2,800A	4,200A	2,800B	4,200A	2,800A	3,293B	2,733B
70	8	4,100A	2,733A	4,100A	2,733B	4,100A	2,733A	3,293B	2,733B
70	8	4,100A	2,733A	4,100A	2,733B	4,100A	2,733A	3,293B	2,733B

NOTES: CENTER OF PEDESTAL TO BOW = 6FT. 5IN.

1. STATIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM STATIONARY PLATFORM
2. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM A VESSEL
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. 1000 LB LOAD BLOCK MUST BE DEDUCTED FROM THE ABOVE LOADS
8. 33,600 BREAKING STRENGTH 5/8" DIAMETER 19 X 7 EIPS CLASS-MAIN WIRE ROPE
9. 45,400 BREAKING STRENGTH 5/8" DIAMETER DYFORM 18 CLASS-MAIN WIRE ROPE

MODEL - NAUTILUS 40-2-70

STBD

BOOM LENGTH 70'									
CRANE II		PERSONAL LIFTS AUXILIARY HOIST		1 PART AUXILIARY HOIST		4 PART MAIN HOIST		6 PART MAIN HOIST	
RADIUS IN FEET	ANGLE DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
7	85	2,648B	2,648B	5,331B	5,331B	49,378B	46,667A	70,000A	46,667A
18	75	2,648B	2,648B	5,331B	5,331B	48,800A	32,533A	48,500A	32,533A
345	60	2,648B	2,648B	5,331B	5,331B	29,000A	19,333A	29,000A	19,333A
50	45	2,648B	2,648B	5,331B	5,331B	19,200A	15,200A	19,200A	12,800A
61	30	2,648B	2,648B	5,331B	5,331B	15,200A	10,133A	15,200A	10,133A
65	21	2,648B	2,648B	5,331B	5,331B	14,500A	9,666A	14,500A	9,667A
67	15	2,648B	2,648B	5,331B	5,331B	11,400A	7,600A	11,400A	7,600A
70	1	2,648B	2,648B	5,331B	5,331B	8,000A	5,333A	8,000A	5,333A

NOTES: HELLPIN IS 9FT. 7IN. FROM BOW AND 12FT. 6IN. ABOVE DECK

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VESSEL LAYOUT | TRINITY IV

