

M/V SUPERIOR CONQUEROR

Marine Division Liftboat Specifications



**Class
150**

Official No.: 642928

Year Built: 1981

Call Sign: WDA 5232

- 150' Legs
- 2,700 Square Feet of Total Deck Area
- 149,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 100'
- 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

Vessel Characteristics

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.)	2,019
(38 x 51) Irregular	
Open Coring Hole (10' from bow)	18"

Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	150'
	Leg Diameter (in.)	42"
	LegWall (in.)	0.75"
	Leg Tower Height (ft.)	13'

TRIANGLE: 51 P/S X 70' AFT

Pad Dimensions

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

Comments: Raked at both ends

Crane Specifications

	Port	Starboard
Make	Nautilus	Nautilus
Model	70-3-70	40-2-70
Load Rating (tons)	70	24
Boom Type	Telescoping	Fixed (Box)
Boom Length (ft.)	70'	70'
Crane Inst. Type	Pedestal	Pedestal

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

Propulsion

<input type="checkbox"/> Bow Thruster Equipped	
Mains - Make	Detroit Diesel
Mains - Model	12V71
Horsepower	800
Clutch Make/Reduction	Twin Disc MG-514C 3.5:1

Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	4-71
Generator Output	Two (2) 50 KW
<input checked="" type="checkbox"/> Equipped w/ Aux Genset	Output: 30 kw

Capacities

Diesel Fuel (gal.)	4,452
Potable Water (gal.)	9,000
<input type="checkbox"/> Watermaker Equipped	

Electronic Aids & Communications

<input checked="" type="checkbox"/> Compass	<input type="checkbox"/> Cellular Phone
<input checked="" type="checkbox"/> GPS/DGPS	<input type="checkbox"/> Private Freq Radiotelephone
<input type="checkbox"/> Loran	<input checked="" type="checkbox"/> VHF Radio
<input checked="" type="checkbox"/> Radar	<input checked="" type="checkbox"/> Single Sideband Radio
<input checked="" type="checkbox"/> Fathometer	<input type="checkbox"/> GMDSS
<input checked="" type="checkbox"/> Loudhailer	
<input checked="" type="checkbox"/> Sattelite Phone	

Personnel Accommodations Features

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

Other Features

<input type="checkbox"/> VIP Office	<input checked="" type="checkbox"/> Laundry Facility
<input checked="" type="checkbox"/> Galley & Dining	<input checked="" type="checkbox"/> Air Conditioned/Heated
<input checked="" type="checkbox"/> TV Lounge	

Performance Characteristics

Estimated Speed	9 mph/ 7.82 knots
Max Separation, Pad to Deck (ft.)	137'
Max Working Water Depth (ft.)	100'
Min Working Water Depth (ft.)	9'
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

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LOAD CHART



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MODEL - NAUTILUS 70-3-70 CRANE 70' TELESCOPING BOOM PORT

CRANE RADIUS IN FEET	30 FT BOOM		50 FT BOOM		70 FT BOOM	
	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	140,000	93,800	98,500	65,995	74,425	49,865
20	100,000	67,000	86,743	58,118	72,843	48,805
30	67,874	45,475	66,690	44.682	68,953	46,199
40			47,600	31.892	49,959	44,473
50			28,416	19.039	38,515	25,805
60					28,780	19,283
70					21,760	14,579

**HEELPIN - 13FT. 4IN. FROM BOW
HEELPIN - 7FT. 5IN. ABOVE DECK**

MODEL - NAUTILUS 35-2-70 CRANE

STBD

CRANE RADIUS IN FEET	6 PART MAIN		1 PART AUX		PERSONNEL AUX	
	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
7	61,600	46,666	5,331	5,331	2,648	2,648
18	48,800	32,533	5,331	5,331	2,648	2,648
35	29,000	19,333	5,331	5,331	2,648	2,648
50	19,200	12,800	5,331	5,331	2,648	2,648
61	15,200	10,133	5,331	5,331	2,648	2,648
65	14,500	9,666	5,331	5,331	2,648	2,648
67	11,400	7,600	5,331	5,331	2,648	2,648
70	8,000	5,333	5,331	5,331	2,648	2,648

IMPORTANT

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. 300 lb-AUXILIARY BALL must be deducted from the above loads
7. 1,500 lb-LOAD BLOCK must be deducted from the above loads
8. 64,600 BREAKING STRENGTH 3/4" DIAMETER DYFORM18 HSLR
9. 27,200 BREAKING STRENGTH 9/16" DIAMETER 19 X 7 EIPS

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LIFTBOAT SPECIFICATIONS



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