

# M/V SUPERIOR LEGACY

## Marine Division Liftboat Specifications



# Class 155

Official No.: 634022

Year Built: 1981

Call Sign: WDA 5243

- 155' Legs
- 2,574 Square Feet of Total Deck Area
- 149,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 102'
- Sleeps 28 Persons, Including a Standard Crew Complement of 4
- Can travel with 16 Passengers

Gross Tons: 182 ITC: 282

Net Tons: 123 84

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

## Vessel Characteristics

<b>Hull Dimensions</b>		<b>Length Overall (ft.)</b>	94'	<b>Generators</b>	<b>Generator Engine Make</b>	Detroit Diesel
		<b>Length (Barge Only) (ft.)</b>	81'		<b>Generator Engine Model</b>	4-71
		<b>Beam Overall (ft.)</b>	63'		<b>Generator Output</b>	One (1) 50 kw One (1) 99 kw
		<b>Beam (Barge Only) (ft.)</b>	38'		<input type="checkbox"/> Equipped w/ Aux Genset	<b>Output:</b>
		<b>Hull Depth (ft.)</b>	8'	<b>Capacities</b>	<b>Diesel Fuel (gal.)</b>	4,386
		<b>Design Draft (ft./in.)</b>	6' 6"		<b>Potable Water (gal.)</b>	10,152
		<b>Open Deck Area (sq. ft.)</b>	2,164		<input type="checkbox"/> Watermaker Equipped	
		(36.5 x 51) + AFT P/S wings 337 Sq Ft		<b>Electronic Aids &amp; Communications</b>		
<b>Leg Dimensions</b>		<b>Number of Legs</b>	3	<input checked="" type="checkbox"/> Compass	<input type="checkbox"/> Cellular Phone	
<input checked="" type="checkbox"/> Internally Braced		<b>Leg Length (ft.)</b>	155'	<input checked="" type="checkbox"/> GPS/DGPS	<input type="checkbox"/> Private Freq Radiotelephone	
		<b>Leg Diameter (in.)</b>	42"	<input type="checkbox"/> Loran	<input checked="" type="checkbox"/> VHF Radio	
		<b>LegWall (in.)</b>	0.75"	<input checked="" type="checkbox"/> Radar	<input checked="" type="checkbox"/> Single Sideband Radio	
		<b>Leg Tower Height (ft.)</b>	13'	<input checked="" type="checkbox"/> Fathometer	<input type="checkbox"/> GMDSS	
		Triangle: 51 P/S x 70 AFT		<input checked="" type="checkbox"/> Loudhailer		
<b>Pad Dimensions</b>		<b>Pad Length (ft.)</b>	25'	<input checked="" type="checkbox"/> Sattelite Phone		
		<b>Pad Width (ft.)</b>	11'	<b>Personnel Accommodations Features</b>		
		<b>Pad Depth (ft.)</b>	3'	<b>Total Sleeping Accommodations</b>	28	
<i>Comments:</i>		Raked at both ends		<b>VIP Accommodations</b>	2	
<b>Crane Specifications</b>		<b>Port</b>	<b>Starboard</b>	<b>Crew Accommodations</b>	6	
<b>Make</b>		Nautilus	Nautilus	<b>Contractor Accommodations</b>	20	
<b>Model</b>		25-3-70	70-2-90	<b>Other Features</b>		
<b>Load Rating (tons)</b>		25	44	<input type="checkbox"/> VIP Office	<input checked="" type="checkbox"/> Laundry Facility	
<b>Boom Type</b>		Telescoping	Fixed (Box)	<input checked="" type="checkbox"/> Galley & Dining	<input checked="" type="checkbox"/> Air Conditioned/Heated	
<b>Boom Length (ft.)</b>		70'	90'	<input type="checkbox"/> TV Lounge		
<b>Crane Inst. Type</b>		Pedestal	Pedestal	<b>Performance Characteristics</b>		
All published load ratings are based upon a 20 ft. radius				<b>Estimated Speed</b>	5 mph/ 4.34 knots	
<b>Propulsion</b>		<input type="checkbox"/> Bow Thruster Equipped		<b>Max Separation, Pad to Deck (ft.)</b>	142'	
<b>Mains - Make</b>		Detroit Diesel		<b>Max Working Water Depth (ft.)</b>	102'	
<b>Mains - Model</b>		12V71		<b>Min Working Water Depth (ft.)</b>	9'	
<b>Horsepower</b>		900		<b>Max Jacking</b>	Soft Bottom	5'
<b>Clutch Make/Reduction</b>		3.5:1		<b>Sea States (ft.)</b>	Hard Bottom	4'

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## LOAD CHART



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### MODEL - NAUTILUS 25-3-70 CRANE 70 FT TELESCOPING BOOM PORT

CRANE RADIUS IN FEET	30 FT BOOM		50 FT BOOM		70 FT BOOM	
	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	50,000	33,333	50,000	33,333	50,000	33,333
20	29,400	19,600	25,200	16,800	25,400	16,933
30	23,500	15,666	17,900	11,933	17,000	11,333
40			13,300	8,866	12,900	5,600
50			10,050	6,700	10,500	7,000
60					8,500	5,666
70					7,000	4,666

HEELPIN IS 6FT. 6IN. FROM BOW AND 8 FT. ABOVE DECK

### MODEL - NAUTILUS 70-2-90 CRANE STBD

CRANE BOOM ANGLE	ANGLE IN DEGREES	SAFE WORKING LOAD (LBS)	
		STATIC	DYNAMIC
83	10	100,000	75,000
80	15	95,800	71,850
77	20	88,500	66,375
73	25	78,600	58,950
71	30	64,000	48,000
66	35	62,000	46,500
63	40	59,500	44,625
60	45	54,920	41,200
56	50	39,800	25,850
51	55	35,600	26,700
48	60	32,300	24,225
44	65	29,200	21,900
39	70	26,800	20,100
30	75	24,500	18,375
28	80	21,200	15,900
15	85	12,900	9,675
0	90	9,000	6,750

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

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## LIFTBOAT SPECIFICATIONS



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