

# M/V SUPERIOR TRIUMPH

## Marine Division Liftboat Specifications



# Class 175

Official No.: 648041

Year Built: 1982

Call Sign: WCW 7250

- 175' Legs
- 4,200 Square Feet of Total Deck Area
- 200,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 110'
- Sleeps 34 Persons, Including a Standard Crew Complement of 6
- Can travel with 16 Passengers

Gross Tons: 162 ITC: 407

Net Tons: 132 122

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

## Vessel Characteristics

### Hull Dimensions

Length Overall (ft.)	105.5'
Length (Barge Only) (ft.)	90'
Beam Overall (ft.)	71'
Beam (Barge Only) (ft.)	40'
Hull Depth (ft.)	8'
Design Draft (ft./in.)	7' 6"
Open Deck Area (sq. ft.)	2,274
(57 x 60) Irregular	

### Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	175'
	Leg Diameter (in.)	48"
	Leg Wall (in.)	0.75"
	Leg Tower Height (ft.)	16'
	Triangle: 56 P/S x 86 AFT	

### Pad Dimensions

Pad Length (ft.)	34'
Pad Width (ft.)	15'
Pad Depth (ft.)	2.3'

Comments: Raked at both ends

### Crane Specifications

	Port	Starboard
Make	Monarch	O-Tech
Model	6020	15
Load Rating (tons)	80	10
Boom Type	Lattice	Telescoping
Boom Length (ft.)	80'	70'
Crane Inst. Type	King Post	Pedestal

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

### Propulsion

Bow Thruster Equipped

Mains - Make	Detroit Diesel
Mains - Model	16V71
Horsepower	780
Clutch Make/Reduction	5:1

### Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	6-71
Generator Output	99 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

### Capacities

Diesel Fuel (gal.)	6,804
Potable Water (gal.)	9,740
<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"/> Satellite Phone	

### Personnel Accommodations Features

Total Sleeping Accommodations	34
VIP Accommodations	2
Crew Accommodations	6
Contractor Accommodations	26

### Other Features

<input checked="" 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 5 mph/ 4.34 knots

Max Separation, Pad to Deck (ft.)	159'
Max Working Water Depth (ft.)	110'
Min Working Water Depth (ft.)	9'
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

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## LOAD CHART



Class  
**175**

### MODEL - SEATRAX MONARCH SERIES 60 MODEL 6020

PORT

CRANE	95 FOOT BOOM							
	STATIC RATING				DYNAMIC RATING			
RADIUS IN FEET	2 PART MAIN	4 PART MAIN	6 PART MAIN	1 PART AUX	2 PART MAIN	4 PART MAIN	6 PART MAIN	1 PART AUX
15	55,200	112,400	169,600	17,020	55,200	112,400	157,723	17,020
20	55,200	112,400	169,600	17,020	55,200	112,400	138,425	17,020
25	55,200	112,400	166,961	17,020	55,200	111,307	111,307	17,020
30	55,200	112,400	138,308	17,020	55,200	92,856	92,856	17,020
35	55,200	112,400	118,749	17,020	55,200	79,515	79,515	17,020
40	55,200	104,051	104,051	17,020	55,200	69,367	69,367	17,020
45	55,200	92,117	92,117	17,020	55,200	61,411	61,411	17,020
50	55,200	82,485	82,485	17,020	54,990	54,990	54,990	17,020
55	55,200	74,528	74,528	17,020	49,685	49,685	49,685	17,020
60	55,200	67,897	67,897	17,020	45,264	45,264	45,264	17,020
65	55,200	62,287	62,287	17,020	41,525	41,525	41,525	17,020
70	55,200	57,419	57,419	17,020	38,279	38,279	38,279	17,020
75	53,201	53,201	53,201	17,020	35,469	35,467	35,467	17,020
80	48,417	48,417	48,417	17,020	33,007	33,8007	33,007	17,020
85	43,435	43,435	43,435	17,020	30,837	30,837	30,837	17,020
90	37,955	37,955	37,955	17,020	28,909	28,909	28,909	17,020
95	28,858	28,858	28,858	17,020	27,214	27,214	27,214	17,020

1. STATIC RATED LOADS ARE TO BE USED FOR LIFTS TO AND FROM STATIONARY PLATFORM
2. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTS TO AND FROM A VESSEL
3. LETTERS AFTER SWLs INDICATE THE LOAD LIMITING FACTOR REFERENCED IN API SPEC 2C, SEC 3, 3.1.2 (A) - (F).
4. RATED LOADS ARE NET LOADS. A 2,000 LB. MAIN HOOK BLOCK & A 800 LB. OVERHAUL BALL HAVE BEEN DEDUCTED FROM GROSS LOADS.
5. MAIN DRUM CABLE IS 1.125 DIA. 18 X 19 HSLR, 143.0 KIP. NOM STRENGTH, 1100 FT.
6. THE SPECIFIED HOOK TRAVEL FOR THIS MACHINE IS 150.5 FT.



### MODEL - OTECH 15 CRANE LOAD CHART

STBD

BOOM EXTENDED - 70'		BOOM RETRACTED - 50'	
RADIUS IN FEET	SAFE WORKING LOADS	RADIUS IN FEET	SAFE WORKING LOADS
10	16,000	7	32,570
18	12,000	13	20,500
24	9,800	17	15,800
35	6,828	25	10,440
45	4,619	32	7,346
54	3,374	38	5,604
61	2,625	43	4,555
66	2,484	47	3,925
69	2,342	49	3,586
70	2,200	50	3,478

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## LIFTBOAT SPECIFICATIONS



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