

M/V SUPERIOR EDGE

Marine Division Liftboat Specifications



**Class
160**

Official No.: 692549

Year Built: 1985

Call Sign: WCW 7250

- 160' Legs
- 3,240 Square Feet of Total Deck Area
- 200,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 105'
- Sleeps 34 Persons, Including a Standard Crew Complement of 4
- Can travel with 16 Passengers

- Gross Tons: 194 ITC:
Net Tons: 180
- USCG Inspected
 - ABS Classed
 - SOLAS Classed
 - SOLAS Ready
 - Moonpool Equipped
 - Zero Discharge Capable
 - Zero Discharge Ready

Vessel Characteristics

Hull Dimensions

Length Overall (ft.)	101.9'
Length (Barge Only) (ft.)	87'
Beam Overall (ft.)	70'
Beam (Barge Only) (ft.)	42'
Hull Depth (ft.)	9'
Design Draft (ft./in.)	8' 0"
Open Deck Area (sq. ft.) (36 x 60) Irregular	2,315

Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	160'
	Leg Diameter (in.)	48"
	Leg Wall (in.)	0.875"
	Leg Tower Height (ft.)	18'
	Triangle: 61 P/S x 86 AFT	

Pad Dimensions

Pad Length (ft.)	28'
Pad Width (ft.)	14'
Pad Depth (ft.)	2.6'

Comments: Raked at both ends

Crane Specifications

	Port	Starboard
Make	Blue Streak	RECO
Model	M-60	C15B50
Load Rating (tons)	58	6.5
Boom Type	Lattice	Fixed (Box)
Boom Length (ft.)	110'	50'
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	16V92
Horsepower	1200
Clutch Make/Reduction	3.86:1

Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	6-71
Generator Output	75 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

Capacities

Diesel Fuel (gal.)	4,674
Potable Water (gal.)	7,899
<input type="checkbox"/> Watermaker Equipped	

Electronic Aids & Communications

<input checked="" type="checkbox"/> Compass	<input checked="" 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 type="checkbox"/> Satellite Phone	

Personnel Accommodations Features

Total Sleeping Accommodations	34
VIP Accommodations	2
Crew Accommodations	4
Contractor Accommodations	28

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.)	142'
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 - 110 FT LATTICE BOOM CRANE PORT

**I
CRANE**

		BOOM 50 FT			
		STATIC		DYNAMIC	
BOOM ANGLE	RADIUS IN FEET	8 PART MAIN	1 PART AUX	8 PART MAIN	1 PART AUX
87.9	10	117,200	15,000	87,900	15,000
85.3	15	117,200	15,000	87,900	15,000
82.7	20	117,200	15,000	87,900	15,000
80.1	25	117,200	15,000	87,900	15,000
77.4	30	117,200	15,000	87,900	15,000
74.7	35	99,500	15,000	74,625	15,000
72.0	40	86,200	15,000	64,650	15,000
69.2	45	75,900	15,000	56,925	15,000
66.4	50	67,600	15,000	50,700	15,000
63.5	55	60,800	15,000	45,600	15,000
60.6	60	55,200	15,000	41,400	15,000
57.6	65	50,400	15,000	37,800	15,000
54.4	70	46,400	15,000	34,800	15,000
51.1	75	42,800	15,000	32,100	15,000
47.7	80	39,700	15,000	29,775	15,000
44.1	85	37,000	15,000	27,750	15,000
40.2	90	34,600	15,000	25,950	15,000
36.0	95	32,400	15,000	24,300	15,000
31.3	100	30,400	15,000	22,800	15,000
25.8	105	28,700	15,000	21,525	15,000
19.0	110	27,000	15,000	20,250	15,000

CENTERLINE OF CRANE BASE - 15' FROM BOW.

MODEL - RC 15B-50 STBD

**II
CRANE**

		BOOM 50 FT					
		PERSONNEL LIFTS AUXILIARY HOIST		1-PART MAIN HOIST		2-PART MAIN HOIST	
RADIUS IN FEET	ANGLE IN DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	78.9	3,293 B	3,293 B	6,586 B	6,586 B	13,037 B	13,037 B
15	73.1	3,293 B	3,293 B	6,586 B	6,586 B	13,037 B	13,037 B
20	67	3,293 B	3,293 B	6,586 B	6,586 B	13,037 B	10,700 A
25	60.6	3,293 B	3,293 B	6,586 B	6,586 B	13,037 B	8,920 A
30	53.8	3,293 B	3,293 B	6,586 B	6,586 B	11,530 A	7,687 A
35	46.4	3,293 B	3,293 B	6,586 B	6,586 B	10,150 A	6,767 A
40	37.7	3,293 B	3,293 B	6,586 B	6,033 B	9,050 A	6,033 A
45	26.8	3,293 B	3,293 B	6,586 B	5,360 B	8,040 A	5,360 A
50	1	3,293 B	3,293 B	3,293 B	4,073 B	6,110 A	4,073 A

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. 200 lb-AUXILIARY BALL must be deducted from the above loads
7. 350 lb-LOAD BLOCK must be deducted from the above loads
8. 33,600 BREAKING STRENGTH 5/8" DIAMETER 19 X 7 CLASS-AUXILIARY WIRE ROPE
9. 33,600 BREAKING STRENGTH 5/8" DIAMETER CLASS-MAIN WIRE ROPE

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LIFTBOAT SPECIFICATIONS



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