

# M/V SUPERIOR ADVANTAGE

## Marine Division Liftboat Specifications



# Class 145

Official No.: 677211

Year Built: 1984

Call Sign: WCW7250Z

- 145' Legs
- 2,500 Square Feet of Total Deck Area
- 150,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 88'
- Sleeps 27 Persons, Including a Standard Crew Complement of 9
- Can travel with 16 Passengers

Gross Tons: 198 ITC: 369

Net Tons: 166 110

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

## Vessel Characteristics

<b>Hull Dimensions</b>	Length Overall (ft.)	95.6'
	Length (Barge Only) (ft.)	80'
	Beam Overall (ft.)	71'
	Beam (Barge Only) (ft.)	40'
	Hull Depth (ft.)	8'
	Design Draft (ft./in.)	8' 0"
	Open Deck Area (sq. ft.)	1,519
	(31 x 49 = 1519 + wings = 329)	

<b>Leg Dimensions</b>	Number of Legs	3
<input checked="" type="checkbox"/> Internally Braced	Leg Length (ft.)	145'
	Leg Diameter (in.)	42"
	LegWall (in.)	9/16"
	Leg Tower Height (ft.)	14'
	TRIANGLE: 56 P/S X 70 AFT	

<b>Pad Dimensions</b>	Pad Length (ft.)	30'
	Pad Width (ft.)	15'
	Pad Depth (ft.)	2.3'

Comments: Raked at both ends

<b>Crane Specifications</b>	<b>Port</b>	<b>Starboard</b>
Make	EBI Cranes	SeaTrax
Model	C-1040	4224
Load Rating (tons)	5	30
Boom Type	Fixed (Box)	Fixed Tube
Boom Length (ft.)	40'	80'
Crane Inst. Type	Pedestal	King Post
Fast Lines	None	8,000lbs

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

<b>Propulsion</b>	<input type="checkbox"/> Bow Thruster Equipped
Mains - Make	Detroit Diesel
Mains - Model	12V71
Horsepower	900
Clutch Make/Reduction	5.16:1

## Generators

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

## Capacities

Diesel Fuel (gal.)	6,441
Potable Water (gal.)	9,448
<input type="checkbox"/> Watermaker Equipped	

## Electronic Aids & Communications

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

## Personnel Accommodations Features

Total Sleeping Accommodations	27
VIP Accommodations	2
Crew Accommodations	9
Contractor Accommodations	16

## 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.)	132'
Max Working Water Depth (ft.)	88'
Min Working Water Depth (ft.)	8'
Max Jacking Sea States (ft.)	Soft Bottom 5'
	Hard Bottom 4'

# M/V SUPERIOR ADVANTAGE

## LOAD CHART



**Class  
145**

**I  
CRANE**

### MODEL - EBI CRANE C10A-40

**PORT**

RADIUS IN FEET	ANGLE DEGREES	PERSONNEL LIFTS MAIN HOIST		1 PART MAIN HOIST		2 PART MAIN HOIST	
		STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
10	74	2,666	2,666	5,331	5,331	10,000	6,666
15	66	2,666	2,666	5,331	5,000	7,500	5,000
20	58	2,666	2,666	5,000	3,333	5,000	3,333
25	50	2,666	2,666	4,000	2,667	4,000	2,666
30	40	2,666	2,000	3,000	2,000	3,000	2,000
35	28	2,500	1,667	2,500	1,667	2,500	1,666
40	0	2,000	1,333	2,000	1,333	2,000	1,333

CAPACITIES SHOWN ABOVE DO NOT INCLUDE WEIGHT OF BLOCK, HOOK, OR RIGGING  
MAY BE LIMITED (EXAMPLE: WIRE ROPE CAPACITY)

**III  
CRANE**

### MODEL - SEATRAX MONARCH 4224B -30 TON

**STBD**

RADIUS IN FEET	2 PART MAIN		1 PART AUX	
	STATIC	DYNAMIC	STATIC	DYNAMIC
15	62,320 B	61,120B	30,560B	30,560B
20	62,320 B	61,120B	30,560B	30,560B
25	62,320 B	61,120B	30,560B	30,560B
30	62,320 B	50,920A	30,560B	30,560B
35	58,354 A	43,224A	30,560B	30,560B
40	56,179A	37,452A	30,560B	30,560B
45	49,341A	32,894A	30,560B	30,560B
50	43,871A	29,247A	30,560B	29,247A
55	39,398A	26,265A	30,560B	26,265A
60	35,632A	23,754A	30,560B	23,754A
65	32,447A	21,631A	30,560B	21,631A
70	29,685A	19,790A	29,685A	19,790A
75	27,324A	18,216A	27,324A	18,216A
80	25,230A	16,820A	25,230A	16,820A
82	24,390A	16,260A	24,390A	16,260A

**NOTE: CENTER OF PEDISTAL TO BOW 7FT. 4IN.**

1. STATIC SWLS ARE TO BE USED FOR LIFTS FROM STATIONARY PLATFORMS. DYNAMIC SWLS ARE TO BE USED FOR LIFTS FROM VESSELS.
2. LOWER CASE LETTERS AFTER SWLS INDICATE THE LOAD LIMITING FACTOR REFERENCED IN API SPEC 2C, SEC 3, 3.1.2 (A) THRU (F)
3. RATED LOADS ARE NET LOADS. A 2000LB MAIN BOOK BLOCK AND A 1,000LB OVERHAUL BALL HAVE BEEN DEDUCTED FROM GROSS LOADS.
4. MAIN DRUM CABLE IS 1.1125 DIA. 7 X 16 S, 157.6 KIP. BREAKING STRENGTH 410FT
5. AUX DRUM CABLE IS 1.125 DIA. 7 X 16 S, KIP. BREAKING STRENGTH 410 FT
6. THE SPECIFIED HOOK TRAVEL FOR THIS MACHINE IS 153 FT.

# M/V SUPERIOR ADVANTAGE

## LIFTBOAT SPECIFICATIONS



Class  
**145**

