

# M/V SUPERIOR ENDEAVOR

## Marine Division Liftboat Specifications



**Class  
200**

Official No.: 1060683

Year Built: 1998

Call Sign: WDA 5255

- 200' Legs
- 4,320 Square Feet of Total Deck Area
- 300,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 145'
- Sleeps 32 Persons, Including a Standard Crew Complement of 7
- Can travel with 16 Passengers

Gross Tons: 177 ITC: 139

Net Tons: 94 215

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

## Vessel Characteristics

### Hull Dimensions

Length Overall (ft.)	132'
Length (Barge Only) (ft.)	116.5'
Beam Overall (ft.)	77'
Beam (Barge Only) (ft.)	49'
Hull Depth (ft.)	10'
Design Draft (ft./in.)	10'
Open Deck Area (sq. ft.)	3,498
(57 x 73.6) Irregular	

### Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	200'
	Leg Diameter (in.)	52"
	LegWall (in.)	1 1/2"
	Leg Tower Height (ft.)	18'
	Triangle 64 P/S x 103 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	AmClyde	EBI Cranes
Model	20000	TC-30
Load Rating (tons)	100	25
Boom Type	Lattice	Telescoping
Boom Length (ft.)	100'	70'
Crane Inst. Type	Pedestal	Pedestal

All published load ratings are based upon a 30 ft. radius

### Propulsion

Bow Thruster Equipped

Mains - Make	Caterpillar
Mains - Model	3508
Ship Horsepower	1710
Clutch Make/Reduction	4.94:1

### Generators

Generator Engine Make	Caterpillar
Generator Engine Model	3306
Generator Output Two (2)	95 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

### Capacities

Diesel Fuel (gal.)	10,315
Potable Water (gal.)	18,350
<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	36
VIP Accommodations	2
Crew Accommodations	7
Contractor Accommodations	27

### 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.)	182'
Max Working Water Depth (ft.)	145'
Min Working Water Depth (ft.)	10'
Max Jacking Sea States (ft.)	Soft Bottom 5'
	Hard Bottom 4'

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## LOAD CHART



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**MODEL - AMCLYDE 20000 100 FOOT BOOM / BOOM CABLE 7/8 X 1010' • 6 X 25**

CRANE		PORT					
		4 PARTS OF LINE		6 PARTS OF LINE		8 PARTS OF LINE	
RADIUS IN FEET	RADIUS IN FEET	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
25	25	100,00	100,000	150,000	133,000	200,000	133,000
30	30	100,00	100,000	150,000	127,000	200,000	127,000
35	35	100,00	100,000	150,000	108,000	165,000	108,000
40	40	100,00	93,000	142,000	93,000	142,000	93,000
45	45	100,00	81,000	125,000	81,000	125,000	81,000
50	50	100,00	72,000	110,000	72,000	110,000	72,000
55	55	99,000	64,000	99,000	64,000	99,000	64,000
60	60	90,000	58,000	90,000	58,000	90,000	58,000
65	65	82,000	53,000	82,000	53,000	82,000	53,000
70	70	76,000	48,000	76,000	48,000	76,000	48,000
75	75	70,000	45,000	70,000	45,000	70,000	45,000
80	80	65,000	41,000	65,000	41,000	65,000	41,000
85	85	60,000	38,000	60,000	38,000	60,000	38,000
90	90	57,000	36,000	57,000	36,000	57,000	36,000
95	95	53,000	33,000	53,000	33,000	53,000	33,000
100	100	50,000	31,000	50,000	31,000	50,000	31,000
105	105	47,000	29,000	47,000	29,000	47,000	29,000
106	106	46,000	29,000	46,000	29,000	46,000	29,000

**HEELPIN 7' FROM BOW & 11FT. 8.5 IN. ABOVE DECK**

**MODEL -EBI CRANE TC30-40-70 STBD API LOAD CHART**

CRANE		RETRACTED 40' FT MAX REACH				EXTENDED 50' FT MAX REACH				EXTENDED 60' FT MAX REACH				EXTENDED 70' FT MAX REACH						
		LOAD LINE LBS		FAST LINE LBS		LOAD LINE LBS		FAST LINE LBS		LOAD LINE LBS		FAST LINE LBS		LOAD LINE LBS		FAST LINE LBS				
RADIUS IN FEET	BOOM ANGLE	STATIC	DYNAMIC	STATIC	DYNAMIC	BOOM ANGLE	STATIC	DYNAMIC	STATIC	DYNAMIC	BOOM ANGLE	STATIC	DYNAMIC	STATIC	DYNAMIC	BOOM ANGLE	STATIC	DYNAMIC	STATIC	DYNAMIC
10	76'	53,040	34,890	4,890	4,890	78'	20,290	20,290	4,890	4,890	80'	20,090	20,090	4,890	4,890	82'	20,090	20,090	4,890	4,890
15	69'	39,015	25,540	4,890	4,890	73'	20,290	20,290	4,890	4,890	76'	20,090	19,860	4,890	4,890	78'	20,090	16,860	4,890	4,890
20	61'	30,485	19,840	4,890	4,890	67'	20,290	18,890	4,890	4,890	71'	20,090	15,990	4,890	4,890	73'	18,860	12,090	4,890	4,890
25	53'	25,290	16,390	4,890	4,890	60'	20,290	15,340	4,890	4,890	66'	20,090	13,310	4,890	4,890	69'	15,765	10,040	4,890	4,890
30	43'	21,165	13,640	4,890	4,890	54'	20,115	12,960	4,890	4,890	60'	17,715	11,340	4,890	4,890	65'	13,290	8,390	4,890	4,890
35	31'	17,490	11,190	4,890	4,890	46'	17,190	10,990	4,890	4,890	55'	15,465	9,860	4,890	4,890	60'	11,340	7,090	4,890	4,890
40	0	10,665	6,640	4,890	4,890	38'	14,790	9,390	4,890	4,890	49'	13,590	8,590	4,890	4,890	56'	9,990	6,190	4,890	4,890
45						27'	12,540	7,890	4,890	4,890	42'	12,240	7,960	4,890	4,890	50'	8,565	5,240	4,890	4,890
50						0	7,440	4,490	4,890	4,890	34'	10,665	6,640	4,890	4,890	45'	7,590	4,590	4,890	4,590
55											25'	9,090	5,590	4,890	4,890	39'	6,765	4,040	4,890	4,040
60											0'	5,115	2,960	4,890	2,960	32'	6,090	3,590	4,890	3,590
65																23'	5,490	3,190	4,890	3,190
70																0	3,390	1,790	3,390	1,790

VALUES SHOWN ARE HOOK LOADS

EBI LOAD LINE BLOCK AND HOOK WIEGHT IS 13,000 LBS

EBI WHIP LINE BLOCK AND HOOK WEIGHT IS 110 LBS.

THE LOADS SHOWN ARE LESS THAN THE ALLOWABLES TO ACCOUNT FOR THE WEIGHT OF THE BLOCKS AND HOOKS

LOAD LINE: 4-PART LINE, 1" 6 X 25 EIPS IWRC

100,000 LB NOMINAL STRENGTH

20,000 LB WORKING

FAST LINE: 1-PART 9/16" 9 X 17 EIPS IWRC

25,000 LB. NOMINAL STRENGTH

5,000 LB. WORKING

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## LIFTBOAT SPECIFICATIONS



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