

M/V SUPERIOR VALOR

Marine Division Liftboat Specifications



Class 160

Official No.: 689966

Year Built: 1985

Call Sign: WDA 5228

- 160' Legs
- 3,510 Square Feet of Total Deck Area
- 200,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 110'
- Sleeps 33 Persons, Including a Standard Crew Complement of 6
- Can travel with 16 Passengers

Gross Tons: 199 ITC: 428

Net Tons: 135

- 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.)	10'
Design Draft (ft./in.)	8' 1"
Open Deck Area (sq. ft.)	2,115
(40 x 60) Irregular/Tapers	

Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	160'
	Leg Diameter (in.)	56"
	LegWall (in.)	
	Leg Tower Height (ft.)	8'
Triangle: 56 P/S x 81 AFT		

Pad Dimensions

Pad Length (ft.)	26'
Pad Width (ft.)	15'
Pad Depth (ft.)	2.6'

Comments: Raked at both ends

Crane Specifications

	Port	Starboard
Make	EBI Cranes	RECO
Model	C-2050	M-80T
Load Rating (tons)	7.5	42
Boom Type	Fixed (Box)	Lattice
Boom Length (ft.)	50'	100'
Crane Inst. Type	Pedestal	King Post

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

Propulsion

<input type="checkbox"/> Bow Thruster Equipped	
Mains - Make	Detroit Diesel
Mains - Model	12V71
Horsepower	900

Clutch Make/Reduction

Generators

Generator Engine Make	Detroit Diesel
Generator Engine Model	6V92
Generator Output	Two (2) 125 kw
<input checked="" type="checkbox"/> Equipped w/ Aux Genset	Output: 100 kw

Capacities

Diesel Fuel (gal.)	18,840
Potable Water (gal.)	24,239
<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"/> Sattelite Phone	

Personnel Accommodations Features

Total Sleeping Accommodations	33
VIP Accommodations	2
Crew Accommodations	7
Contractor Accommodations	24

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	3 mph/ 2.5 knots
Max Separation, Pad to Deck (ft.)	147'
Max Working Water Depth (ft.)	110'
Min Working Water Depth (ft.)	9'
Max Jacking	Soft Bottom 4'
Sea States (ft.)	Hard Bottom 3'

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LOAD CHART



**Class
160**

CRANE		MODEL - M-80-T				STBD	
		1 PART AUX		6 PART MAIN			
RADIUS IN FEET	ANGLE IN DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC		
15	84	12,000	12,000	84,000	56,850		
20	81	12,000	12,000	84,000	56,850		
25	78	12,000	12,000	84,000	56,850		
30	75	12,000	12,000	78,000	52,800		
35	72	12,000	12,000	70,000	47,400		
40	69	12,000	12,000	61,500	41,630		
45	66	12,000	12,000	55,400	37,500		
50	63	12,000	12,000	51,000	34,520		
55	60	12,000	12,000	47,000	31,820		
60	56	12,000	12,000	44,000	29,790		
65	53	12,000	12,000	41,000	27,760		
70	49	12,000	12,000	37,800	25,590		
75	45	12,000	12,000	35,000	23,700		
80	41	12,000	12,000	30,000	20,310		
85	36	12,000	12,000	28,000	33,200		
90	31	12,000	12,000	27,000	18,280		
95	24	12,000	12,000	26,000	17,600		
100	16	12,000	12,000	25,000	16,925		

NOTES:

1. STATIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM STATIONARY PLATFORMS.
2. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM A VESSEL
3. 200 AUX HOIST BALL
4. 1335 MAIN HOIST BALL
5. 65,000 7/8" DIAMETER 19 X 7 AUX HOIST
6. 87,600 7/8" DIAMETER DYFORM 18 MAIN HOIST

CRANE		MODEL - EBI C2050 CRANE LOAD CHART						PORT	
		2 PART MAIN		3 PART MAIN		4 PART MAIN			
RADIUS IN FEET	ANGLE IN DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC		
10	78	10,800B	10,800B	16,300B	16,300B	20,000C	20,000A		
20	66	10,800B	10,000A	15,000A	10,000A	15,000A	10,000A		
30	53	9,000A	6,000A	9,000A	6,000A	9,000A	6,000A		
40	37	6,000A	4,000A	6,000A	4,000A	6,000A	4,000A		
50	1	4,000A	3,000A	4,000A	3,000A	4,000A	3,000A		

NOTES:

1. WORKING RADIUS IS MEASURED FROM THE MAIN HOOK TO CENTERLINE OF ROTATION
2. STATIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM STATIONARY PLATFORMS. DYNAMIC RATED LOADS ARE TO BE USED FOR LIFTS TO OR FROM A VESSEL
3. LOADS FOLLOWED BY "A" ARE LIMITED BY PAR.2.1.1 (a) (STRUCTURAL DESIGN)
4. LOADS FOLLOWED BY "B" ARE LIMITED BY PAR.2.1.1 (a) (LOAD LINE STRENGTH)
5. LOADS FOLLOWED BY "C" ARE LIMITED BY PAR.2.1.1 (a) (AVAILABLE HOIST LINE PULL)
6. RATED LOAD ARE GROSS LOADS A LB. HOOK BLOCK MUST BE DEDUCTED FROM GROSS LOADS
7. MAIN DRUM CABLE DIA. 9/16" CLASS 19 X 7 LENGTH 600

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LIFTBOAT SPECIFICATIONS



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