

M/V DIXIE ENDEAVOR

Marine Division Liftboat Specifications



Class 250

Official No.: 1115290

Year Built: 2002

Call Sign: WDA 5234

- 250' Legs
- 11,000 Square Feet of Total Deck Area
- 1,100,000 Lbs. Maximum Deckload
- Works In Water Depths Up To 180'
- Sleeps 50 Persons, Including a Standard Crew Complement of 12
- Can travel with 36 Passengers

- Gross Tons: ITC: 2276
- Net Tons: 682
- USCG Inspected
 - ABS Classed
 - SOLAS Classed
 - SOLAS Ready
 - Moonpool Equipped
 - Zero Discharge Capable
 - Zero Discharge Ready

Vessel Characteristics

Hull Dimensions

Length Overall (ft.)	234'
Length (Barge Only) (ft.)	167'
Beam Overall (ft.)	120'
Beam (Barge Only) (ft.)	103'
Hull Depth (ft.)	13'
Design Draft (ft./in.)	13' 5"
Open Deck Area (sq. ft.)	9,010'
	(92.7 x 97.2)

Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	250'
	Leg Diameter (in.)	102"
	LegWall (in.)	1.125"
	Leg Tower Height (ft.)	19'
	Triangle:	91 P/S x 132 A

Pad Dimensions

Pad Length (ft.)	49'
Pad Width (ft.)	29'
Pad Depth (ft.)	5'

Crane Specifications

	Port	Starboard
Make	SeaTrax	SeaTrax
Model	10520	10520
Load Rating (tons)	185	185
Boom Type	Lattice	Lattice
Boom Length (ft.)	120'	120'
Crane Inst. Type	Leg Mount	Leg Mount

Published load ratings are based upon a 40 ft. radius

Propulsion

<input checked="" type="checkbox"/> Bow Thruster Equipped	
Mains - Make	Caterpillar
Mains - Model	3508B
Horsepower	3840
Clutch Make/Reduction	Twin Disc 540 6.18:1

Generators

Generator Engine Make	Caterpillar
Generator Engine Model	3412
Generator Output	425 kw
<input checked="" type="checkbox"/> Equipped w/ Aux Genset	Output: 190 kw

Capacities

Diesel Fuel (gal.)	40,488
Potable Water (gal.)	29,676
<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 checked="" 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 checked="" type="checkbox"/> GMDSS
<input checked="" type="checkbox"/> Loudhailer	
<input checked="" type="checkbox"/> Satellite Phone	

Personnel Accommodations Features

Total Sleeping Accommodations	50
VIP Accommodations	2
Crew Accommodations	12
Contractor Accommodations	36

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	

AFT - HELIPAD 48' DIAMETER. LOAD RATING 12,000LBS

Performance Characteristics

Estimated Speed	5 mph/ 4.34 knots
Max Separation, Pad to Deck (ft.)	231'
Max Working Water Depth (ft.)	180'
Min Working Water Depth (ft.)	14'
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

M/V DIXIE ENDEAVOR

LOAD CHART



**Class
250**

PORTLEG & STBD. LEG

MODEL - SEATRAX LM 10520 LEG CRANE LOAD CHART ABS

CRANE RADIUS IN FEET	6-PART MAIN HOIST		1-PART AUXILIARY HOIST	
	STATIC	DYNAMIC	STATIC	DYNAMIC
25	372,317	372,317	55,034	55,034
30	372,317	372,317	55,034	55,034
35	372,317	372,317	55,034	55,034
40	372,317	342,243	55,034	55,034
45	331,833	301,348	55,034	55,034
50	295,845	268,632	55,034	55,034
55	266,400	241,364	55,034	55,034
60	241,863	219,557	55,034	55,034
65	221,101	200,683	55,034	55,034
70	203,305	184,504	55,034	55,034
75	187,881	170,483	55,034	55,034
80	174,386	158,214	55,034	55,034
85	162,478	147,389	55,034	55,034
90	151,893	137,767	55,034	55,034
95	142,423	129,157	55,034	55,034
100	133,900	121,409	55,034	55,034
105	126,188	114,398	55,034	55,034
110	119,177	108,025	55,034	55,034
115	112,776	102,206	55,034	55,034
120	106,909	96,871	55,034	55,034
127	98,973	89,657	55,034	55,034

IMPORTANT: THIS TEXT APPLIES TO BOTH CHARTS

1. Static SWLs are to be used only for lifts from stationary platforms. Dynamic SWLs shall be used for lifts from vessels
2. Lower case letters after SWLs indicate the load limiting factor referenced in API Spec 2C, S E c 3, 3.1.2 (a) thru (f).
3. Rated loads are NET loads. A 3000 lb. main hook block & a 500 lb. overhaul ball have been deducted from gross loads.
4. Main drum cable is 1.5 dia. 18x19 HSLR, 250.0 kip nom strength, 1280 ft.
5. Aux drum cable is 1.5 dia 18 x 19 HSLR, 250.0 kip. nom strength, 330 ft.
6. The specified hook travel for this machine is 190 ft.

32' 6" HEELPIN TO BOW

CRANE RADIUS IN FEET	SEATRAX MONARCH SERIES 105 MODEL 10520						API STATIC & DYNAMIC RATINGS		
	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	
	2-PART MAIN	2-PART MAIN	4-PART MAIN	4-PART MAIN	6-PART MAIN	6-PART MAIN	SINGLE AUX	SINGLE AUX	
25	97000B	97000B	191797A	197000B	191797A	287695A	49500B	49500B	
30	97000B	97000B	160416A	197000B	160416A	240624A	49500B	49500B	
35	97000B	97000B	137445A	197000B	137445A	206168A	49500B	49500B	
40	97000B	97000B	119851A	179776A	119851A	179776A	49500B	49500B	
45	97000B	97000B	105949A	158924A	105949A	158924A	49500B	49500B	
50	94829A	97000B	94829A	142243A	94829A	142243A	49500B	49500B	
55	85555A	97000B	85555A	128333A	85555A	128333A	49500B	49500B	
60	77749A	97000B	77749A	116622A	77749A	116622A	49500B	49500B	
65	71146A	97000B	71146A	106719A	71146A	106719A	49500B	49500B	
70	65489A	97000B	65489A	98234A	65489A	98234A	49500B	49500B	
75	60526A	90789A	60526A	90789A	60526A	90789A	49500B	49500B	
80	56186A	84279A	56186A	84279A	56186A	84279A	49500B	49500B	
85	52304A	78457A	52304A	78457A	52304A	78457A	49500B	49500B	
90	48858A	73287A	48858A	73287A	48858A	73287A	48858A	49500B	
95	45777A	68665A	45777A	68665A	45777A	68665A	45777A	49500B	
100	43007A	64510A	43007A	64510A	43007A	64510A	43007A	49500B	
105	40461A	60691A	40461A	60691A	40461A	60691A	40461A	49500B	
110	38149A	57224A	38149A	57224A	38149A	57224A	38149A	49500B	
115	36080A	54121A	36080A	54121A	36080A	54121A	36080A	49500B	
120	34113A	51170A	34113A	51170A	34113A	51170A	34113A	49500B	
127	31527A	47291A	31527A	47291A	31527A	47291A	31527A	47291A	

M/V DIXIE ENDEAVOR

LIFTBOAT SPECIFICATIONS



Class
250

