

M/V DIXIE LEGACY

Marine Division Liftboat Specifications



Class 250

Official No.: 1095071

Year Built: 2001

Call Sign: KUS10957

- 250' Legs
- 10,000 Square Feet of Total Deck Area
- 750,000 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: 2259
 Net Tons: 677
- USCG Inspected
 - ABS Classed
 - SOLAS Classed
 - SOLAS Ready
 - Moonpool Equipped
 - Zero Discharge Capable
 - Zero Discharge Ready

Vessel Characteristics

Hull Dimensions

Length Overall (ft.)	225'
Length (Barge Only) (ft.)	157'
Beam Overall (ft.)	120'
Beam (Barge Only) (ft.)	103'
Hull Depth (ft.)	13'
Design Draft (ft./in.)	13 5"
Open Deck Area (sq. ft.)	8,083'
(92.7 x 87.2)	

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'
	Traingle: 91 P/S x 132A	

Pad Dimensions

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

Comments: Raked at both ends

Crane Specifications

	Port	Starboard
Make	SeaTrax	SeaTrax
Model	10520	10520
Load Rating (tons)	175	175
Boom Type	Lattice	Lattice
Boom Length (ft.)	120'	120'
Crane Inst. Type	Leg Mount	Leg Mount

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

Propulsion

<input checked="" type="checkbox"/> Bow Thruster Equipped	
Mains - Make	Caterpillar
Mains - Model	3508B
Horsepower	3800
Clutch Make/Reduction	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

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

Personnel Accommodations Features

Total Sleeping Accommodations	50
VIP Accommodations	2
Crew Accommodations	14
Contractor Accommodations	34

Other Features

- VIP Office
- Galley & Dining
- TV Lounge
- Laundry Facility
- Air Conditioned/Heated

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'

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LOAD CHART



**Class
250**

PORTLEG & STBD. LEG

MODEL - SEATRAX LM 10520 LEG CRANE LOAD CHART ABS

CRANE		6-PART MAIN HOIST		1-PART AUXILIARY HOIST	
		STATIC	DYNAMIC	STATIC	DYNAMIC
RADIUS IN FEET	ANGLE IN DEGREES				
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, SEc 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.



SEATRAX MONARCH SERIES 105 MODEL 10520

API STATIC & DYNAMIC RATINGS

RADIUS IN FEET	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 LEGACY

LIFTBOAT SPECIFICATIONS



Class
250

