

M/V SUPERIOR CHAMPION

Marine Division Liftboat Specifications



Class 230

Official No.: 1115859

Year Built: 2001

Call Sign: WDA 7228

- 230' Legs
- 6,500 Square Feet of Total Deck Area
- 1,000,000 Lbs. Variable Deckload
- Works In Water Depths Up To 180'
- Sleeps 43 Persons, Including a Standard Crew Complement of 9
- Can travel with 36 Passengers

Gross Tons: 285 ITC: 1312

Net Tons: 193 393

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

Vessel Characteristics

Hull Dimensions

Length Overall (ft.)	137'
Length (Barge Only) (ft.)	131.5'
Beam Overall (ft.)	78'
Beam (Barge Only) (ft.)	44'
Hull Depth (ft.)	14'
Design Draft (ft./in.)	12' 0"
Open Deck Area (sq. ft.)	5,380
(78 x 81.6) Irregular	

Leg Dimensions

<input checked="" type="checkbox"/> Internally Braced	Number of Legs	3
	Leg Length (ft.)	230'
	Leg Diameter (in.)	78"
	LegWall (in.)	3/4" - 1 1/4"
	Leg Tower Height (ft.)	14'
	Triangle: 62 P/S x 112 AFT	

Pad Dimensions

Pad Length (ft.)	32'
Pad Width (ft.)	16'
Pad Depth (ft.)	2.6'

Comments: Raked at both ends

Crane Specifications

	Port	Starboard
Make	Nautilus	Nautilus
Model	1100I-100	200BT70-100
Load Rating (tons)	30	200
Boom Type	Telescoping	Lattice
Boom Length (ft.)	100'	100'
Crane Inst. Type	Pedestal	Pedestal

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

Propulsion

<input type="checkbox"/> Bow Thruster Equipped	
Mains - Make	Caterpillar
Mains - Model	3408
Horsepower	1400
Clutch Make/Reduction	Twin Disc MG540 6:1

Generators

Generator Engine Make	Caterpillar
Generator Engine Model	3306
Generator Output	(1) P-90 kw (1) 75-120 kw
<input type="checkbox"/> Equipped w/ Aux Genset	Output:

Capacities

Diesel Fuel (gal.)	24,572
Potable Water (gal.)	29,494
<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	43
VIP Accommodations	2
Crew Accommodations	9
Contractor Accommodations	32

Other Features

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

AFT - HELIPAD 40' DIAMETER. LOAD RATING 8,000LBS

Performance Characteristics

Estimated Speed	5 mph/ 4.34 knots
Max Separation, Pad to Deck (ft.)	216'
Max Working Water Depth (ft.)	180'
Min Working Water Depth (ft.)	13'
Max Jacking	Soft Bottom 5'
Sea States (ft.)	Hard Bottom 4'

M/V SUPERIOR CHAMPION

LOAD CHART



Class
230

MODEL -Nautilus 11001-100 Marine Crane

CRANE RADIUS IN FEET	STBD										AUXILIARY HOIST		
	MAIN HOIST					DYNAMIC RATING					STATIC RATING	DYNAMIC RATING	PERSONNEL RATING
	12 PART	10 PART	8 PART	6 PART	4 PART	12 PART	10 PART	8 PART	6 PART	4 PART			
19.5	400,000	338,024	272,048	202,536	133,024	266,667	266,667	266,667	202,536	133,024	11,810	11,810	3,392
20	400,000	338,024	272,048	202,536	133,024	266,667	266,667	266,667	202,536	133,024	11,810	11,810	3,392
25	370,334	338,024	272,048	202,536	133,024	244,888	244,689	244,689	202,536	133,024	11,810	11,810	3,392
30	303,294	303,294	272,048	202,536	133,024	200,196	200,196	200,196	200,196	133,024	11,810	11,810	3,392
35	254,972	254,872	254,972	202,536	133,024	167,981	167,981	167,981	167,981	133,024	11,810	11,810	3,392
40	219,549	219,549	219,549	202,536	133,024	144,366	144,366	144,366	144,366	133,024	11,810	11,810	3,392
45	192,457	192,467	192,467	192,467	133,024	125,311	126,311	126,311	126,311	126,311	11,810	11,810	3,392
50	171,091	171,091	171,091	171,091	133,024	112,061	112,061	112,061	112,061	112,061	11,810	11,810	3,392
55	153,788	153,788	153,788	153,788	133,024	100,525	100,525	100,525	100,525	100,525	11,810	11,810	3,392
60	139,495	139,495	139,495	139,495	133,024	90,997	90,997	90,997	90,997	90,997	11,810	11,810	3,392
65	127,489	127,489	127,489	127,489	127,489	82,993	82,993	82,993	82,993	82,993	11,810	11,810	3,392
70	117,261	117,261	117,261	117,261	117,261	76,174	76,174	76,174	76,174	76,174	11,810	11,810	3,392
75	108,442	108,442	108,442	108,442	108,442	70,295	70,295	70,295	70,295	70,295	11,810	11,810	3,392
80	100,760	100,760	100,760	100,760	100,760	65,173	65,173	65,173	65,173	65,173	11,810	11,810	3,392
83	94,008	94,008	94,008	94,008	94,008	60,672	60,672	60,672	60,672	60,672	11,810	11,810	3,392
90	88,028	88,028	88,028	88,028	88,028	58,684	58,684	58,684	58,684	58,684	11,810	11,810	3,392
95	82,688	82,688	82,688	82,688	82,688	53,125	53,125	53,125	53,125	53,125	11,810	11,810	3,392
100	77,893	77,893	77,893	77,893	77,893	49,929	49,929	49,929	49,929	49,929	11,810	11,810	3,392
105	73,558	73,558	73,558	73,558	73,558	47,039	47,039	47,039	47,039	47,039	11,810	11,810	3,392
106.7	69,216	69,216	69,216	69,216	69,216	44,144	44,144	44,144	44,144	44,144	11,810	11,810	3,392

NOTE: HEELPIN - 15FT. 3 IN. ABOVE DECK AND 6 FT. 10 IN. FROM BOW.

IMPORTANT

1. MAIN HOIST CAPACITIES ARE BASED ON 1 1/8" DIAMETER DYFORM 34 LR WIRE ROPE. (BREAKING STRENGTH = 173,780 LBS.) 2935 FT. WIRE ROPE IS REQUIRED.
2. AUXILIARY HOIST CAPACITIES ARE BASED ON ONE PART REEVING OF 3/4" DIAMETER, DYFORM 18 HSLR WIRE ROPE (BREAKING STRENGTH 64,800 LBS.) 450 FT. OF WIRE ROPE IS REQUIRED.
3. ALL RATINGS IN ACCORDANCE WITH API SPECIFICATION 20 (SPEC 2C), FIFTH EDITION, APRIL 3, 1995.
4. THE ABOVE RATINGS ARE CONSIDERED NET RATINGS AS THE MAIN LOAD BLOCK WEIGHT OF 7400 LBS. AUXILIARY LOAD BLOCK WEIGHT OF 210 LBS. HAVE BEEN SUBTRACTED.
5. DYNAMINC RATINGS ARE BASED ON A DYNAMIC COEFFICIENT OF 2.0

PORT CRANE MODEL 200 BT 70/100 RETRACTED 70 FT. MAX REACH

RADIUS IN FEET	ANGLE DEGREES	6-PART MAIN		AUXILIARY LIFTS		
		STATIC	DYNAMIC	STATIC	DYNAMIC	PERSONNEL
9	82.6	60,000	40,000			
10	82	60,000	40,000			
15	78	60,000	40,000			
20	74	60,000	40,000			
25	69	60,000	40,000			
30	65	60,000	40,000			
35	61	53,271	35,081			
40	56	45,862	30,141			
45	51	40,150	26,333	5,040	5,040	5,040
50	45	35,611	23,307			
55	39	31,917	20,845			
60	32	28,851	18,801			
65	23	26,263	17,075			
70	0	17,869	11,479			

EXTENDED 100 FT. MAX REACH

RADIUS IN FEET	ANGLE DEGREES	6-PART MAIN		AUXILIARY LIFTS		
		STATIC	DYNAMIC	STATIC	DYNAMIC	PERSONNEL
12.8	82.5	19,036	12,257			
15	81	18,726	12,051			
20	79	18,239	11,725			
25	76	17,458	11,205			
30	73	16,930	10,853			
35	70	16,457	10,538			
40	67	16,056	10,271			
45	64	15,717	10,045			
50	60	15,432	9,855			
55	57	15,215	9,710			
60	54	15,072	9,615			
65	50	14,993	9,562			
70	46	15,003	9,569	5,040	5,040	1,840
75	42	15,108	9,639			
80	38	15,324	9,783			
85	33	15,753	10,069			
90	27	16,486	10,557			
95	19	15,286	9,757			
100	0	9,450	5,867			

NOTES: Main Hoist capacities are based on a six part reeving of 3/4" Diameter, Dyform 18 HSLR Wire Rope (BREAKING STRENGTH = 64,800 LBS.) 1,547 FT. of Wire Rope is Required.

• Auxilliary Hoist Capacities are based on one part reeving of 1/2" Diameter Dyform 18 HSLR. Wire Rope (BREAKING STRENGTH - 29,200 LBS.) 383 FT of Wire Rope is required.

• All ratings in accordance with API Specification 20 (Spec. 20). Fifth Edition, April 3, 1995

• The above ratings are considered net ratings as the main load block weight of 1,300 LBS. & the overhaul ball weight of 321 LBS has already been deducted.

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LIFTBOAT SPECIFICATIONS



Class
230

