

SEACOR CHAMPION CLASS 230' LIFTBOAT



LEG

NUMBER OF LEGS	3
LEG LENGTH	230 ft.
LEG DIAMETER	78 in
LEG WALL	1.250 in
LEG TOWER HEIGHT	14 ft.
TRIANGLE	62 P/S x 112 AFT

HULL

LENGTH	137 ft.
LENGTH (BARGE ONLY)	131.5 ft.
BEAM	78 ft.
BEAM (BARGE ONLY)	44 ft.
HULL DEPTH	14 ft.
DESIGN DRAFT	11 ft. 21 in
REGISTERED TONNAGE	284 t / 193 t
INTERNATIONAL TONNAGE	1,312 t / 393 t

PAD

PAD LENGTH	32 ft.
PAD WIDTH	16 ft.
PAD DEPTH	2.6 ft.
PAD LOADING	N/A
DECK LOADING	N/A
	Raked at both ends

CRANE

	PORT	STARBOARD
MAKE	Nautilus	Nautilus
MODEL	200BT70-100	1100I-100
LOAD RATINGS	30 TONS	200 TONS
BOOM TYPE	Telescoping	Lattice
BOOM LENGTH	100 ft.	100 ft.
CRANE INST. TYPE	Pedestal	Pedestal

ALL PUBLISHED LOAD RATINGS ARE BASED UPON A 20 FT. RADIUS

PROPULSION

MAINS - MAKE	Caterpillar
MAINS - MODEL	3508
HORSEPOWER	1400
BOW THRUSTER EQUIPPED	NO
CLUTCH MAKE/REDUCTION	Twin Disc MG540 6:1

DECK

TOTAL DECK AREA	6,500 ft ²
USABLE DECK AREA (78 X 81.6)	5,380 ft ²
MAXIMUM DECKLOAD WITH MAX USABLE LEG EXTENDED	156,000 lbs.
VARIABLE DECKLOAD WITH 18 FT. RESERVE LEG ABOVE TOWERS	806,000 lbs.

GENERATORS

GENERATOR ENGINE MAKE	Caterpillar
GENERATOR ENGINE MODEL	3306
GENERATOR OUTPUT	One (1) P-90 kw One (1) 75-120 kw
AUX GENSET EQUIPPED	N/A Output : N/A

CAPACITIES

DIESEL FUEL	24,572 USG
POTABLE WATER	29,474 USG
WATERMAKER EQUIPPED	N/A

ELECTRONIC AIDS & COMMUNICATIONS

COMPASS	FULLY EQUIPPED
GPS/DGPS	FULLY EQUIPPED
RADAR(S)	FULLY EQUIPPED
FATHOMETER	FULLY EQUIPPED
LOUDHAILER	FULLY EQUIPPED
SATELLITE PHONE	FULLY EQUIPPED
PRIVATE FREQ. RADIOTELEPHONE	FULLY EQUIPPED
VHF RADIO	FULLY EQUIPPED
SINGLE SIDEBAND RADIO	FULLY EQUIPPED
GMDSS	N/A

PERSONNEL ACCOMMODATIONS

TOTAL ACCOMMODATIONS	43
VIP ACCOMMODATIONS	2
CREW ACCOMMODATIONS	9
CONTRACTOR ACCOMMODATIONS	32
TRANSIT PASSENGERS	36
GALLEY & DINING	FULLY EQUIPPED
TV LOUNGE	FULLY EQUIPPED
LAUNDRY FACILITY	FULLY EQUIPPED
AIR CONDITION / HEATER	Standard Electrical Commercial Units
HELIPORT	N/A

PERFORMANCE

ESTIMATED SPEED	5 mph / 4.34 knots
MAX SEPARATION, PAD TO DECK	216 ft.
MAX WORKING WATER DEPTH	175 ft.
MIN WORKING WATER DEPTH	13 ft.
MAX JACKING SOFT BOTTOM	5 ft.
SEA STATES HARD BOTTOM	4 ft.

DOCUMENTATION

CLASS	
FLAG/PORT OF REGISTRY	USA / New Orleans, LA
SOLAS	
USCG	INSPECTED
OFFICIAL NUMBER	1115859
IMO	8765034
CALL SIGN	WDG 3598
VESSEL DELIVERY DATE	2001
BUILDER	ORANGE SHIPBUILDER
ZERO DISCHARGE CAPABLE	YES
ZERO DISCHARGE READY	NO

This specification is preliminary and subject to change without notice. Exact tank capacities, deadweight, deck cargo capacity and other figures that have been calculated and may change when the actual vessel is delivered.

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MODEL - NAUTILUS 11001-100 MARINE CRANE

STBD CRANE

CRANE RADIUS IN FEET	MAIN HOIST										AUXILIARY HOIST		
	STATIC RATING					DYNAMIC RATING					STATIC RATING	DYNAMIC RATING	PERSONNEL RATING
	12 PART	10 PART	8PART	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	254,972	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	192,457	192,457	192,457	133,024	125,311	125,311	125,311	125,311	125,311	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

HEELPIN 15 FT. 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.) 2,935 Ft. Of 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 7,400 lbs. Auxiliary load block weight of 210 lbs. Have been subtracted.
5. Dynamic ratings are based on a dynamic coefficient of 2.0.

CRANE		PORT CRANE		MODEL 200 BT 70/100		
		RETRACTED 70 FT. MAX REACH				
		6-PART MAIN		AUXILIARY LIFTS		
RADIUS IN FEET	ANGLE DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	PERSONNEL
9	82.6	60,000	40,000	5,040	5,040	1,840
10	82	60,000	40,000	5,040	5,040	1,840
15	78	60,000	40,000	5,040	5,040	1,840
20	74	60,000	40,000	5,040	5,040	1,840
25	69	60,000	40,000	5,040	5,040	1,840
30	65	60,000	40,000	5,040	5,040	1,840
35	61	53,271	35,081	5,040	5,040	1,840
40	56	45,862	30,141	5,040	5,040	1,840
45	51	40,150	26,333	5,040	5,040	1,840
50	45	35,611	23,307	5,040	5,040	1,840
55	39	31,917	20,845	5,040	5,040	1,840
60	32	28,851	18,801	5,040	5,040	1,840
65	23	26,263	17,075	5,040	5,040	1,840
70	0	17,869	11,479	5,040	5,040	1,840

CRANE		PORT CRANE		MODEL 200 BT 70/100		
		RETRACTED 100 FT. MAX REACH				
		6-PART MAIN		AUXILIARY LIFTS		
RADIUS IN FEET	ANGLE DEGREES	STATIC	DYNAMIC	STATIC	DYNAMIC	PERSONNEL
12.8	82.5	19,036	12,257	5,040	5,040	1,840
15	81	18,726	12,051	5,040	5,040	1,840
20	79	18,239	11,725	5,040	5,040	1,840
25	76	17,458	11,205	5,040	5,040	1,840
30	73	16,930	10,853	5,040	5,040	1,840
35	70	16,457	10,538	5,040	5,040	1,840
40	67	16,056	10,271	5,040	5,040	1,840
45	64	15,717	10,045	5,040	5,040	1,840
50	60	15,432	9,855	5,040	5,040	1,840
55	57	15,414	9,843	5,040	5,040	1,840
60	54	15,396	9,830	5,040	5,040	1,840
65	50	15,377	9,818	5,040	5,040	1,840
70	46	15,359	9,806	5,040	5,040	1,840
75	42	15,341	9,794	5,040	5,040	1,840
80	38	15,323	9,782	5,040	5,040	1,840
85	33	15,304	9,770	5,040	5,040	1,840
90	27	15,286	9,757	5,040	5,040	1,840
95	19	15,268	9,745	5,040	5,040	1,840
100	0	9,450	5,867	5,040	5,040	1,840

NOTES:

1. 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.
2. Auxiliary 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.
3. All ratings in accordance with api specification 20 (spec 20) fifth edition, April 3, 1995.
4. The above ratings are considered net ratings as the main load Block weight of 1,300 lbs. And the overhaul ball weight of 321 Lbs. Has already been deducted.

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