



MARINE CRANES
HOUMA, LOUISIANA 70363
(985) 868-0630

LIFTING LOAD CAPACITY CHART
NAUTILUS MODEL 1100L-100 MARINE CRANE



RADIUS (FT)	BOOM ANGLE (DEG)	MAIN HOIST		AUXILIARY HOIST		
		12 PART REEVING		2 PART REEVING		PERSONNEL (lbs)
		ONBOARD (lbs)	OFFBOARD (lbs)	ONBOARD (lbs)	OFFBOARD (lbs)	
24	81	330,000	220,000	22,211	20,000	8,654
25	80	330,000	220,000	22,211	20,000	8,654
30	77	300,280	198,196	22,211	20,000	8,654
35	74	256,816	169,210	22,211	20,000	8,654
40	71	223,532	147,021	22,211	20,000	8,654
45	68	197,232	129,488	22,211	20,000	8,654
50	65	175,930	115,286	22,211	20,000	8,654
55	62	158,326	103,550	22,211	20,000	8,654
60	59	143,686	93,790	22,211	20,000	8,654
65	55	131,071	85,380	22,211	20,000	8,654
70	52	120,193	78,128	22,211	20,000	8,654
75	48	110,714	71,809	22,211	20,000	8,654
80	44	102,380	66,253	22,211	20,000	8,654
85	39	94,995	61,330	22,211	20,000	8,654
90	35	88,309	56,872	22,211	20,000	8,654
95	29	82,398	52,932	22,211	20,000	8,654
100	22	77,055	49,370	22,211	20,000	8,654
105	12	72,191	46,127	22,211	20,000	8,654
106	0	70,297	44,864	22,211	20,000	8,654

NOTE:

- 1) OFFBOARD LIFTS BASED ON SWL*Cv
- 2) Cv IS THE VERTICAL DYNAMIC COEFFICIENT DETERMINED BY THREE METHODS
 - * VESSEL SPECIFIC METHOD - USED FOR DETERMINING RATINGS FOR FLOATING PLATFORM / VESSEL
 - * GENERAL METHOD - USED FOR DETERMINING RATINGS FOR FLOATING PLATFORM / VESSEL OR FIXED PLATFORM
 - * DEFAULT DYNAMIC METHOD - OFFBOARD LIFTS FROM FIXED PLATFORM (Cv=2.0)
- 3) SHEAVE EFFICIENCY CONSIDERED.
- 4) THE ABOVE RATINGS ARE NET RATINGS AS THE MAIN LOAD BLOCK WEIGHT OF 6000 LBS. AND THE AUXILIARY LOAD BLOCK WEIGHT OF 390 LBS. HAVE ALREADY BEEN SUBTRACTED TO DETERMINE "NET" CAPACITY.
- 5) REFERENCE MANUAL FOR REEVING DIAGRAMS.
- 6) REFERENCE INFORMATION CHART FOR REEVING DETAILS.
- 7) ALL RATINGS IN ACCORDANCE WITH API SPECIFICATION 2C (SPEC 2C), SIXTH EDITION, SEPTEMBER 2004.

CRANE S/N: 21607C

LOCATION: LIFTBOAT MOTOR VESSEL

REV: B
P/N: N2007SK3-062