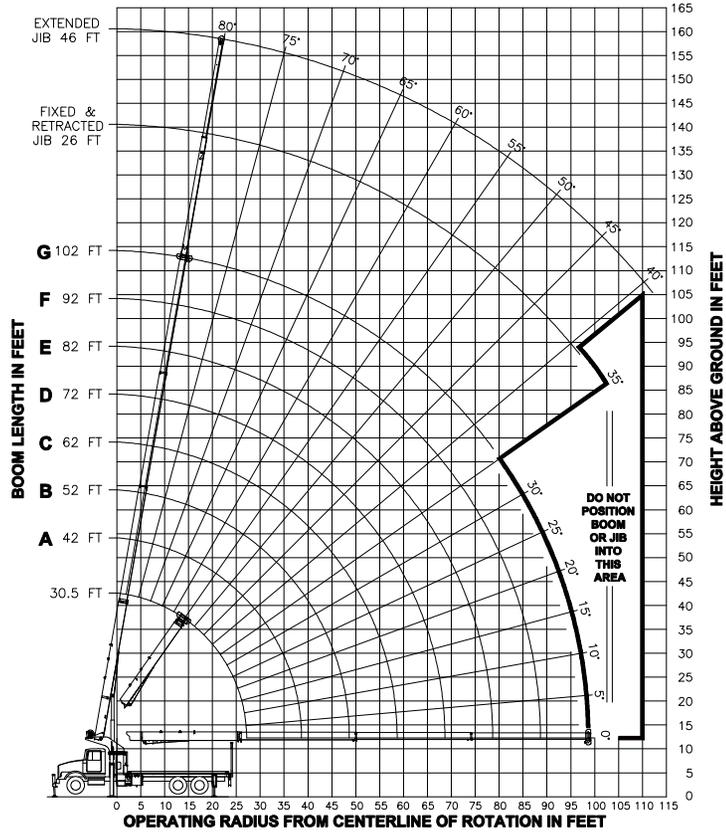


**RANGE DIAGRAM
- FULL SPREAD CONFIGURATION -**



HEIGHT ABOVE GROUND IN FEET

LMI OPERATING CODES

SETTING	CRANE CONFIGURATION	SETTING	CRANE WITH PERSONNEL LIFTING PLATFORM
#1	--- MAIN BOOM	#5	--- PERSONNEL LIFTING PLATFORM ON MAIN BOOM
#2	--- FIXED JIB	#6	--- PERSONNEL LIFTING PLATFORM ON FIXED JIB
#3	--- TELESCOPIC JIB--RETRACTED	#7	--- PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB--RETRACTED
#4	--- TELESCOPIC JIB--EXTENDED	#8	--- PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB--EXTENDED

ALLOWABLE LINE PULL

1 PART	2 PART	3 PART	4 PART	5 PART	6 PART	7 PART
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	60000 LBS
7700 LBS	15400 LBS	23100 LBS	30800 LBS	38500 LBS	46200 LBS	53900 LBS

WARNING

ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE.

REFER TO THE OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.

9/16" 6X25 IWRC (3.5:1 SF) - 29750 LBS MIN BREAKING STRENGTH

9/16" ROT RESISTANT (5.0:1 SF) - 38500 LBS MIN BREAKING STRENGTH

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

AUXILIARY BLOCK	50 LBS
AUXILIARY SHEAVE	50 LBS
OVERHAUL BALL	SEE OVERHAUL BALL MFG. NAMEPLATE
LOAD BLOCK	SEE BLOCK MFG. NAMEPLATE
HOSE REEL	140 LBS
SWING AROUND JIB	SEE LOAD CHART

WARNING
LIFTING OFF THE MAIN BOOM POINT WHILE THE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

BOOM LENGTH (FEET)	LMI CODE #1							OUTRIGGERS AND STABILIZERS EXTENDED					
	BASE							FIXED JIB	TELESCOPIC JIB				
	A	B	C	D	E	F	G	LMI CODE #2	LMI CODE #3	LMI CODE #4			
30.5 FT	42 FT	52 FT	62 FT	72 FT	82 FT	92 FT	102 FT						
5	77	60000											
8	71	38600											
10	67	33600	73 25000	77 25000				10	26 FT	26 FT	46 FT		
12	62	29620	71 25000	75 25000	78 25000			12					
15	55	25510	66 23570	71 22450	75 21640	78 19680	80 16460	15					
20	42	20200	58 18740	65 17730	70 17340	74 16760	76 14330	79 12180	80 10300	20			
25	24	15980	50 15770	59 14910	65 14220	69 13670	73 12570	75 10870	77 9390	25	80 5300	80 5100	
30			39 13220	52 12620	60 12020	65 11510	69 11100	72 9590	74 8500	30	78 5300	78 5100	80 3050
35			26 10380	44 10630	54 10360	60 9910	65 9530	69 8500	71 7630	35	76 4990	76 4730	78 3050
40				35 8220	48 8360	55 8460	61 8530	66 7790	68 6840	40	74 4580	74 4310	77 3050
45				23 6500	41 6650	50 6750	57 6810	62 6860	65 5920	45	72 4200	72 3920	75 3050
50					33 5370	45 5470	52 5540	58 5580	62 5190	50	69 3850	69 3560	73 3050
55					22 4380	38 4480	47 4540	54 4590	58 4570	55	67 3530	67 3240	71 2890
60						31 3690	42 3750	49 3800	55 3840	60	64 3240	64 2940	69 2660
65						20 3030	36 3110	45 3160	51 3190	65	62 2920	62 2560	67 2440
70							28 2570	40 2620	47 2660	70	59 2570	59 2220	65 2240
75							20 2110	34 2160	43 2200	75	56 2280	56 1930	63 2060
80								28 1770	38 1810	80	53 1960	53 1660	60 1850
85								19 1430	33 1470	85	50 1620	50 1320	58 1630
90									27 1180	90	47 1320	47 1020	55 1430
95									18 910	95	44 1060	44 760	53 1240
100										100	40 820	40 520	50 1000
105										105	36 610		47 790
110										110			44 600

500 LBS	360 LBS	290 LBS	250 LBS	210 LBS	190 LBS	170 LBS	150 LBS	DEDUCTIONS FOR STOWED FIXED JIB
740 LBS	540 LBS	440 LBS	370 LBS	320 LBS	280 LBS	250 LBS	220 LBS	DEDUCTIONS FOR STOWED TELESCOPIC JIB

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN OWNER'S MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE LOADING SHOULD BE GREATER TO ACCOUNT FOR DEFLECTIONS. DO NOT EXCEED THE OPERATING RADIUS FOR RATED LOADS.
4. THE OPERATING RADIUS SHOWN IN THE JIB RATING CHART IS FOR FULLY EXTENDED BOOM ONLY. WHEN BOOM IS NOT FULLY EXTENDED, USE ONLY LOADED BOOM ANGLE TO DETERMINE LOAD RATING OF JIB.
5. BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU THIS AREA.
6. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
7. FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT SHORTER OR LONGER BOOM LENGTH, WHICHEVER IS LESS. FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
8. CRANE LOAD RATINGS ON OUTRIGGERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
9. PRACTICAL WORKING LOADS DEPEND ON SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
10. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART. BOOM MUST BE FULLY RETRACTED AGAINST BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.

INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOAD-BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH MACHINE LEVELED.
3. LOAD RATINGS ABOVE THE HEAVY LINE ARE STRUCTURALLY LIMITED CAPACITIES. LOAD RATINGS BELOW THE HEAVY LINE ARE STABILITY LIMITED CAPACITIES AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.
2. LOADED BOOM ANGLE AS SHOWN IN THE COLUMN HEADED BY \angle , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.



**MODEL
30102C**

CRANE MEETS ANSI B30.5 REQUIREMENTS

7300096-030 NR

AREA OF OPERATION

