



OLATHE, KANSAS 66061

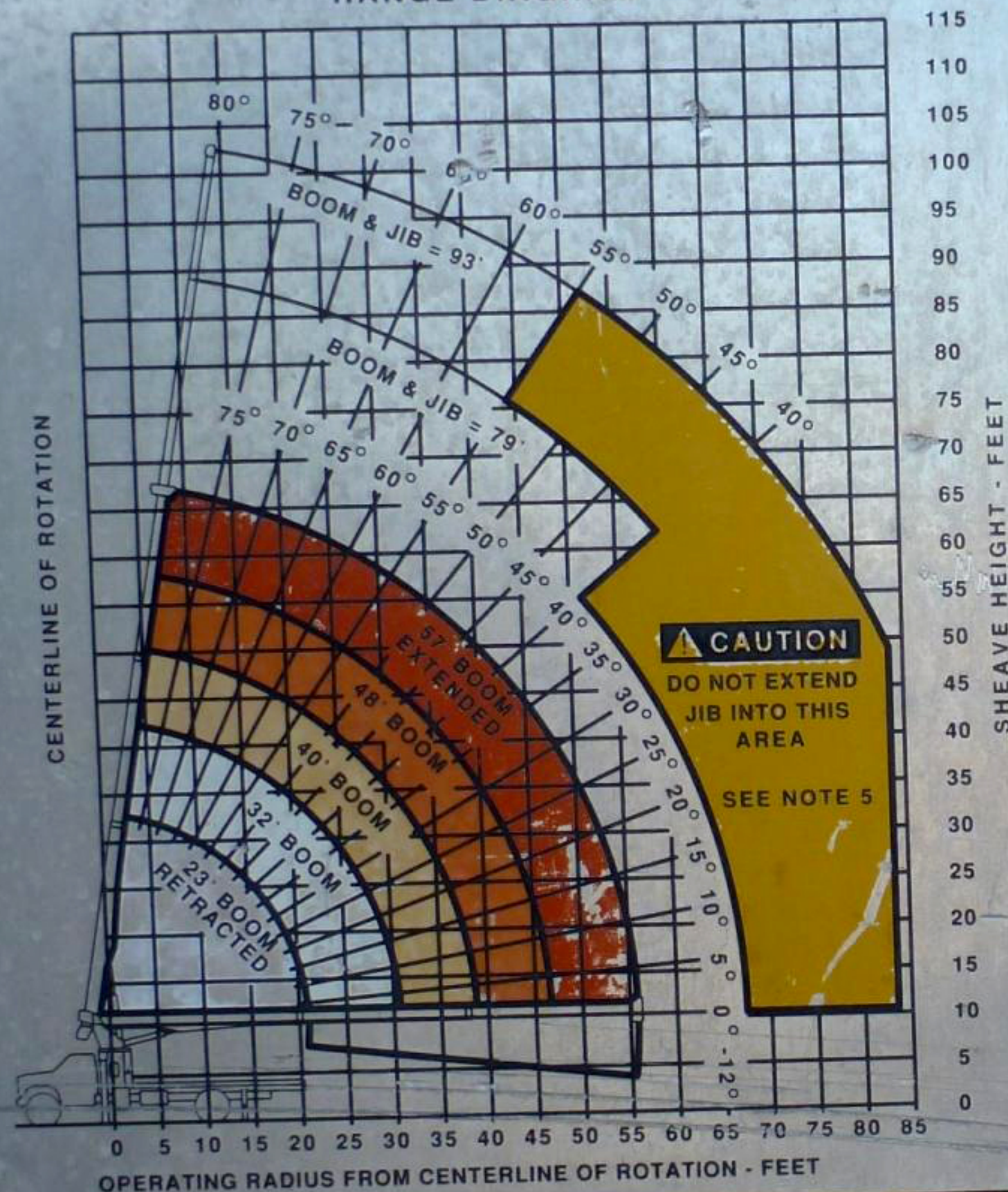
MODEL TC-2057

MAXIMUM LOAD CHART

U.S. PATENT NOS. 4211332, 4459786

CANADA PAT. NO. 1097265

RANGE DIAGRAM



1 PART LINE 2 PART LINE 3 PART LINE

OVERHAUL BALL	CRANE LOAD BLOCK	AUX BLOCK
LOADS UP TO 7,600 LBS STD CABLE	LOADS UP TO 15,200 LBS STD CABLE	LOADS UP TO 22,800 LBS STD CABLE
5,400 LBS. ROT RESISTANT CABLE	10,800 LBS. ROT RESISTANT CABLE	16,200 LBS. ROT RESISTANT CABLE

CAUTION

ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

USE ONLY 1/2" DIAMETER CABLE WITH MIN. 26,600 LB. (STD) OR 27,000 LB. (ROT. RES.) BREAKING STRENGTH ON THIS MACHINE

THIS MACHINE COMPLIES WITH OSHA REGULATIONS 1910.180 AND 1926.550 WHERE APPLICABLE AT DATE OF MANUFACTURE

3-654-00391

LOAD RATINGS IN LBS. WITH OUTRIGGERS EXTENDED

LOADED BOOM ANGLE	BOOM LENGTH	23 FT	32 FT	40 FT	48 FT	57 FT
4°	78	20000				
5°	76	18000				
8°	68	12230	75 11680	78 11600		
10°	62	10320	71 9750	75 9440	78 8450	
12°	56	8870	68 8390	72 8080	76 7680	78 7000
14°	49	7780	64 7550	70 7200	74 6950	76 6300
16°	44	7030	59 6700	66 6370	71 6170	74 5750
20°	25	5320	50 5320	60 5180	66 4990	70 4740
21°	4	3700	48 5190	58 4940	65 4750	69 4570
25°			36 4220	50 4150	59 3990	65 3820
31°			3 2200	38 3160	50 3100	58 3030
35°				27 2630	43 2630	50 2590
38°				3 1600	37 2290	48 2290
40°					33 2120	45 2120
46°					3 1100	36 1670
50°						27 1450
55°						3 700

JIB CAPACITIES FOR ALL BOOM LENGTHS

LOADED BOOM ANGLE	40°	45°	50°	55°	60°	65°	70°	75°	78°
RETRACTED 22 FT JIB	500	600	750	1000	1200	1500	2000	2600	3150
EXTENDED 36 FT JIB	SEE NOTE 5			550	650	850	1100	1480	1900

⚠ DANGER

- THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
- POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN OWNER'S MANUAL.
- 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.
- USE RATING OF NEXT LONGER BOOM FOR BOOM LENGTHS NOT SHOWN. USE RATING OF NEXT GREATER RADIUS FOR LOAD RADIUS NOT SHOWN.
- BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED BEFORE LOWERING BELOW MINIMUM ANGLE.
- RETRACTED JIB HAS NO LIFTING CAPACITY BELOW A 40° BOOM ANGLE.
- EXTENDED JIB HAS NO LIFTING CAPACITY BELOW A 55° BOOM ANGLE.
- USE RATING OF NEXT LOWER BOOM ANGLE FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART.
- LIFTING OFF THE MAIN BOOM POINT WHILE THE SWING AROUND JIB IS ERECTED IS NOT INTENDED OR APPROVED.
- 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.
- PRACTICAL WORKING LOADS DEPEND ON SUPPORTING SURFACE, WIND AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING. MUST ALL BE TAKEN INTO ACCOUNT BY THE OPERATOR.
- 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.

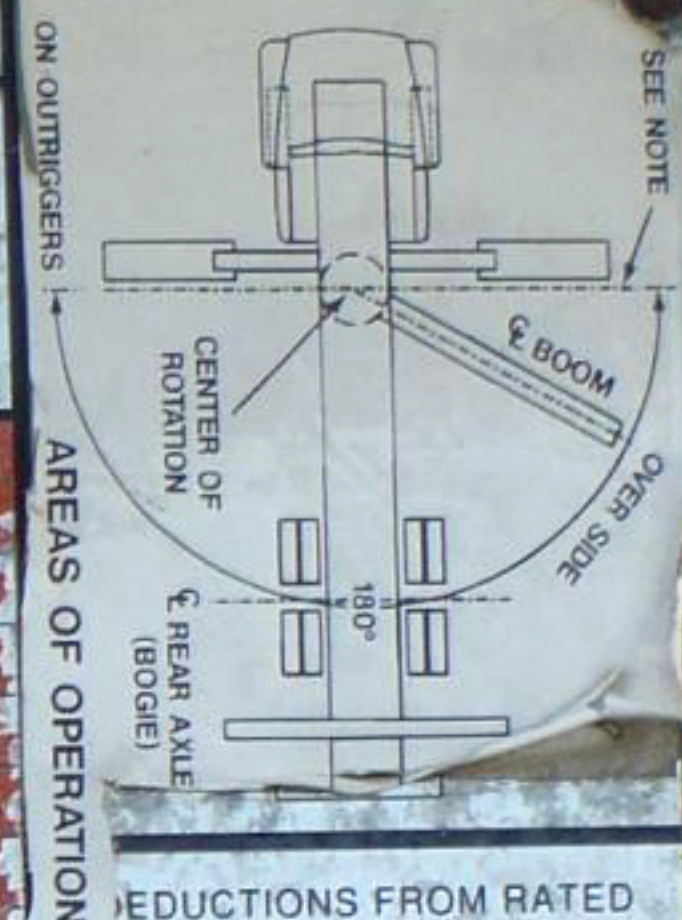
INFORMATION

- DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS AND LOADBLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
- CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH ALL LOAD REMOVED FROM THE CARRIER WHEELS.
- LOAD RATINGS DO NOT EXCEED 85% OF TIPPING LOAD.

DEFINITIONS

- OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR LOAD HOOK WITH LOAD SUSPENDED.
- 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.

REMOVAL OF THIS PLACARD IS A VIOLATION OF THE LAW



REDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES

AUXILIARY BLOCK: 50 LBS

OVERHAUL BALL: 125 LBS

CRANE LOAD BLOCK: 150 LBS

SWING AROUND JIB: (STOWED) 400 LBS