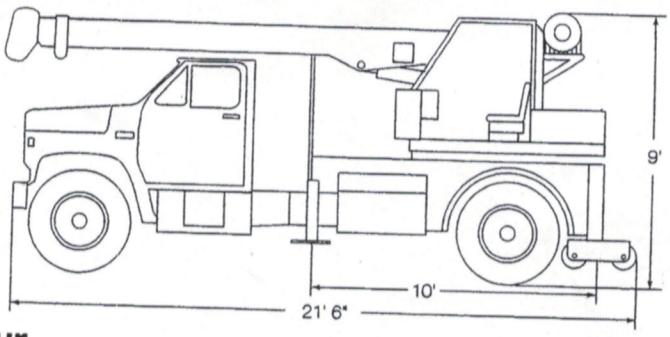


5 TON W/JIB

Barbour

5 Ton

Boom	
Boom & Jib	58'
Main Boom	40'
Weight	
Drive-up	28,000 lbs.

Footprint	
Outriggers Ret.	8'
Outriggers Ext.	17'

9,000 FRONT
19,000 REAR

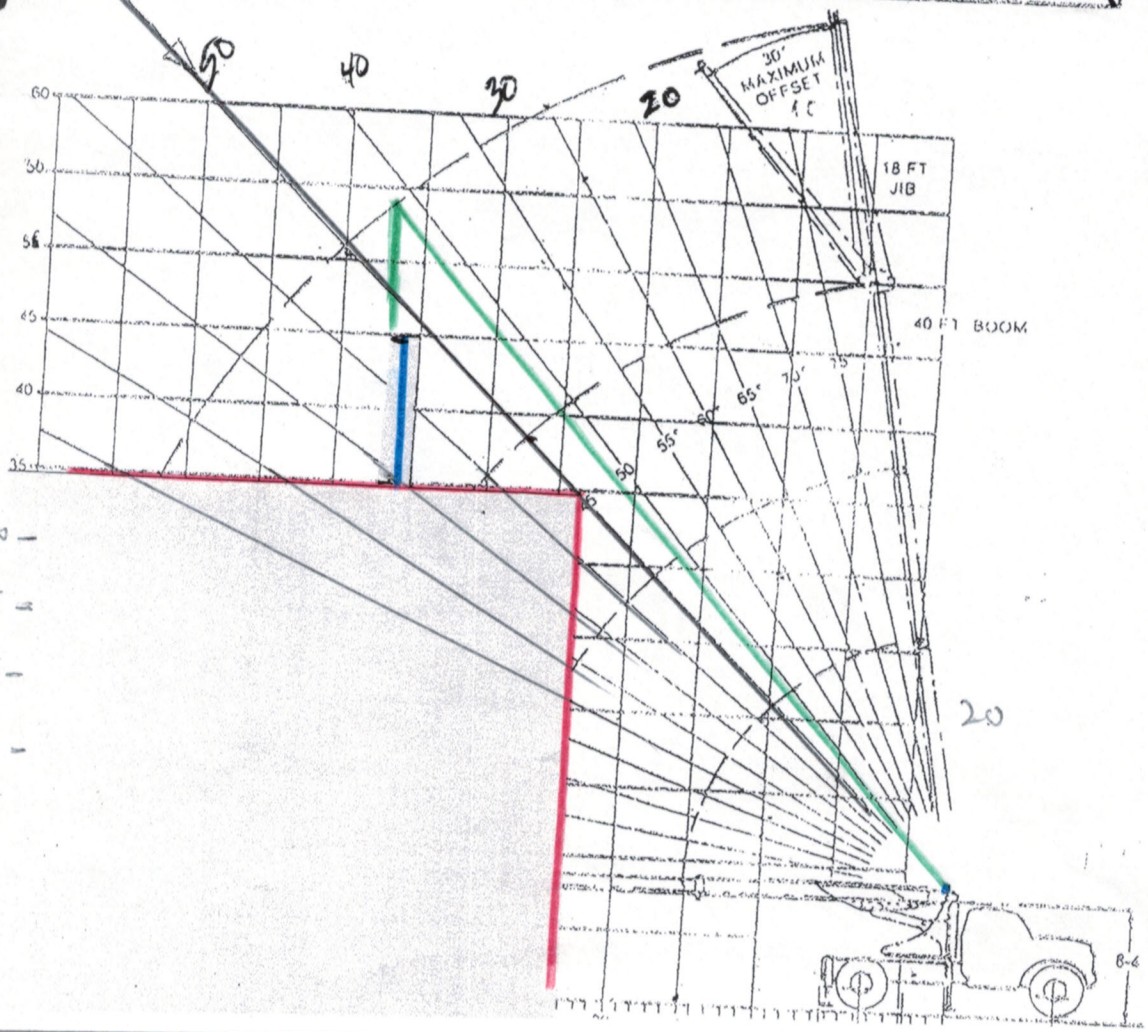
40 FT. BOOM
RATED LIFTING CAPACITIES

RADIUS IN FEET	BOOM ANGLE	CAPACITY ON OUTRIGGERS	CAPACITY ON RUBBER WITH SPRINGS BLOCKED
10	73°	10,000	3000
12	70°	8,000	2500
15	66°	7,000	1850
20	58°	4,000	1200
25	50°	3,500	—
30	40°	2,500	—
35	28°	2,000	—
40	0°	1,600	—

RATED CAPACITIES — 40 FT. BOOM PLUS 18 FT. JIB

BOOM ANGLE	NO OFFSET		30° OFF-SET	
	RADIUS	CAPACITY	RADIUS	CAPACITY
75°	13	6350	21	2350
60°	27	3000	34	1925
45°	41	1600	46	1400
30°	50	1300	53	1200
15°	56	1160	—	—
0°	58	1025	—	—

45°



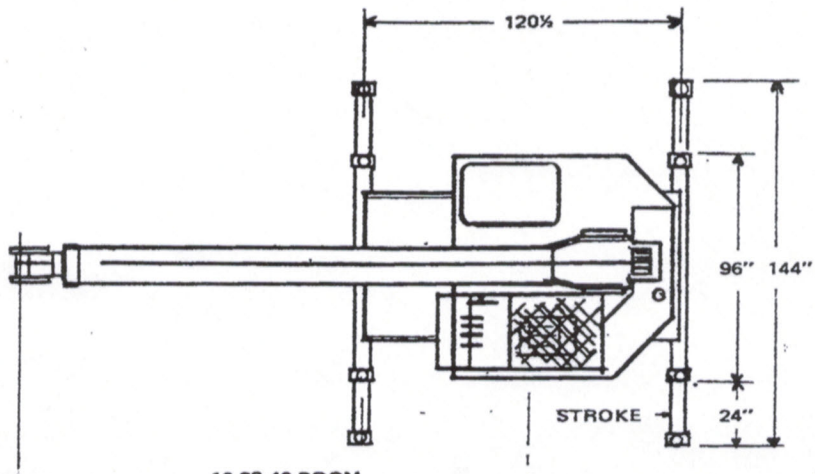
5

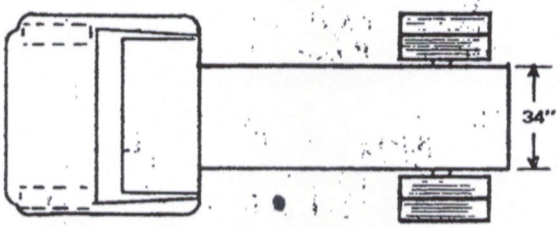
RATI

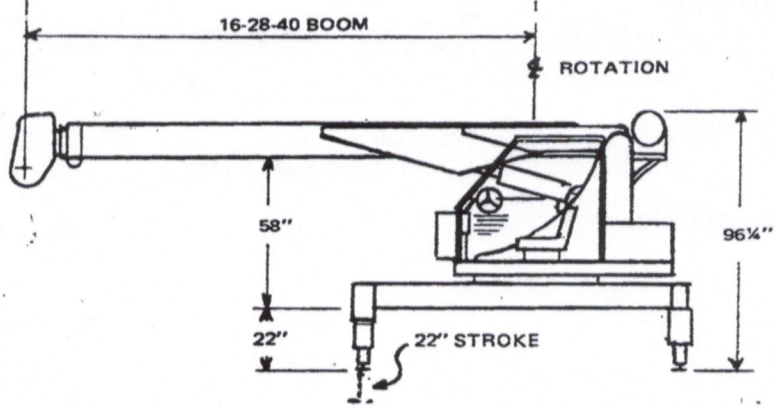
CA

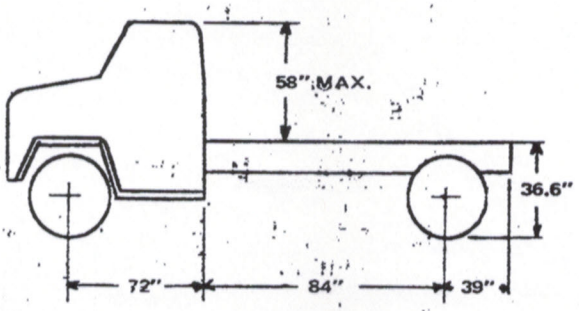
1. Tabulated capaciti and are the max equipment on a fir
2. Capacities will not
3. Ratings "with outri maximum extensio the outriggers in fir
4. Ratings "on rubbe on the condition These loads may be firm, level and sm miles per hour
5. Due to operating loads may have to b wind, weather and t ating the equipment Care must be exerc safety of his men an
6. Excessive boom leng Retract boom propor
7. Load handling device the lifted load.
8. For loads over 7000 end section of boom
9. Single line capacity over 6000 pounds
10. Rated capacities are truck chassis differe structural capacities

MOUNTING DIMENSIONS AND CLEARANCES









DRIVE THROUGH CLEARANCE 9'-3"

CRANE SHIPPING WEIGHT APPROXIMATELY 14,000 LBS.

USE OF A TRUCK CHASSIS EXCEEDING THESE SPECIFICATIONS USED FOR LOAD CHART TESTING MAY RESULT IN STRUCTURAL STRENGTH, NOT TIPPING, GOVERNING RATED LIFTING CAPACITIES.

ALLOWABLE BENDING MOMENTS:

TOP END SECTION	=	603,000	in. lbs.
MIDDLE SECTION	=	1,161,000	in. lbs.
BOTTOM SECTION	=	1,980,000*	in. lbs.

*@ 30" TOWARD BOOM END FROM LIFT CYLINDER ATTACHMENT.

TRUCK USED FOR LOAD CHART IS A FORD F-760, SINGLE AXLE, 156" WHEELBASE, 391 CU. IN. ENGINE, HEAVY DUTY AIR BRAKES, 4-SPEED AUTOMATIC TRANSMISSION, POWER STEERING, 10:00 x 20 TIRES ON 10 HOLE WHEELS, BASE CURB WEIGHT = 6035 #, G.V.W. 27500 # – 9000 # FRONT AXLE, 18,500 # REAR AXLE, REINFORCED FRAME WITH 19.2 in^3 SECTION MODULUS.

5 TON
RATED LIFTING CAPACITIES

40 FT. BOOM
RATED LIFTING CAPACITIES

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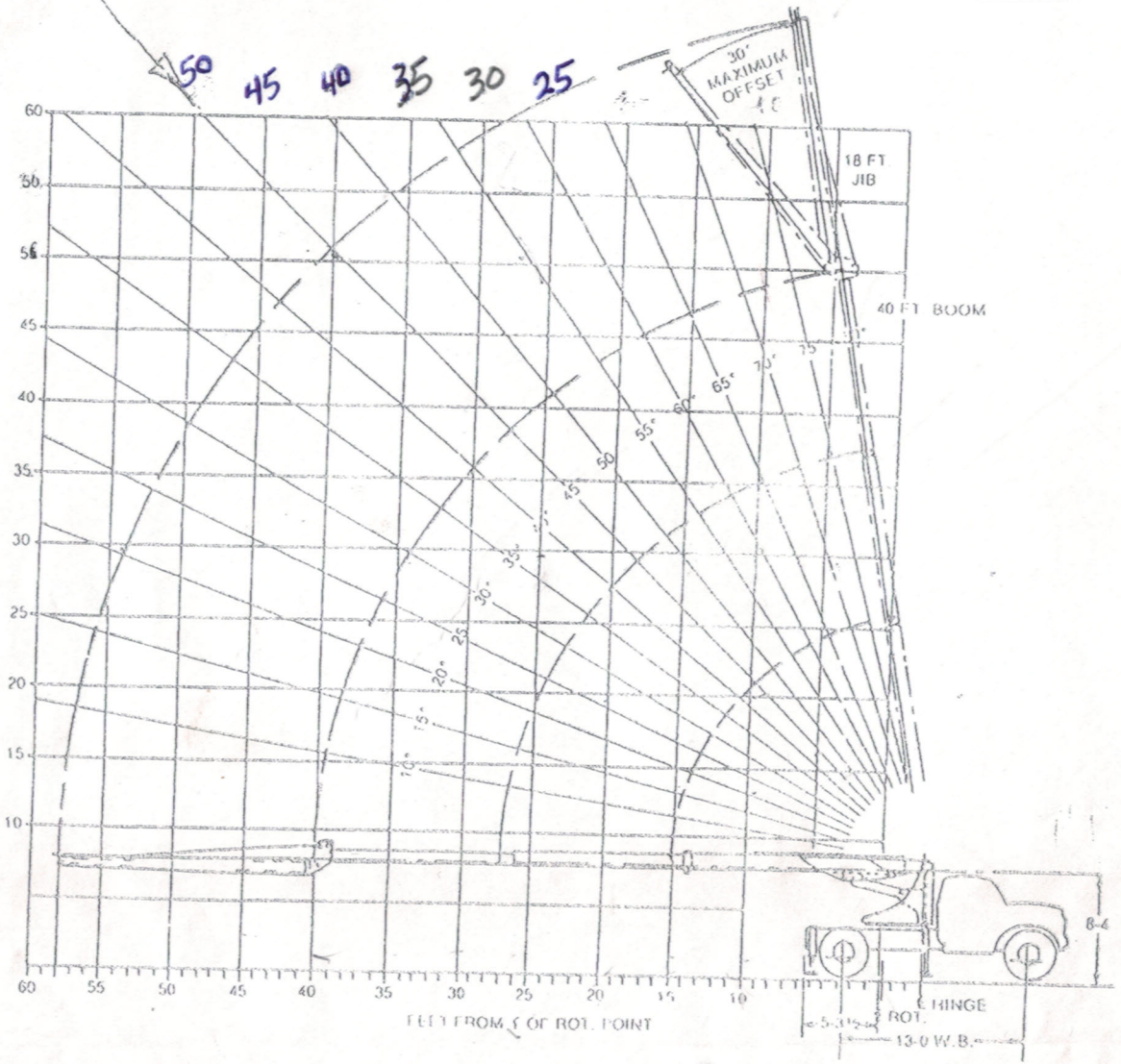

1. Tabulated capacities are based on freely hung loads and are the maximum warranted loads with the equipment on a firm and level surface.
2. Capacities will not exceed 85% of tipping.
3. Ratings "with outriggers extended" are based on the maximum extension of the outriggers with the feet of the outriggers in firm contact with the surface.
4. Ratings "on rubber with springs blocked" depends on the condition of the tires and their capacity. These loads may be transported over a surface that is firm, level and smooth at a speed of less than 3 miles per hour.
5. Due to operating conditions at some jobs, rated loads may have to be decreased. Surface conditions, wind, weather and the experience of personnel operating the equipment affect the stability of the crane. Care must be exercised by the user to insure the safety of his men and machines.
6. Excessive boom lengths create a tipping condition. Retract boom proportional to load chart.
7. Load handling devices are to be considered as part of the lifted load.
8. For loads over 7000 pounds use a full boom or with end section of boom retracted.
9. Single line capacity 6000 pounds, use 2 part line for over 6000 pounds to 10,000 pounds.
10. Rated capacities are governed by tipping. Use of a truck chassis different than specified may result in structural capacities becoming critical.
11. Use jib on single line service only.