②

18 10N CD

TEREX CD 118

rough terrain crane
18 ton capacity
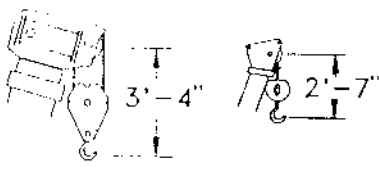
range diagram & lifting capacities

REDUCTION IN MAIN BOOM CAPACITY
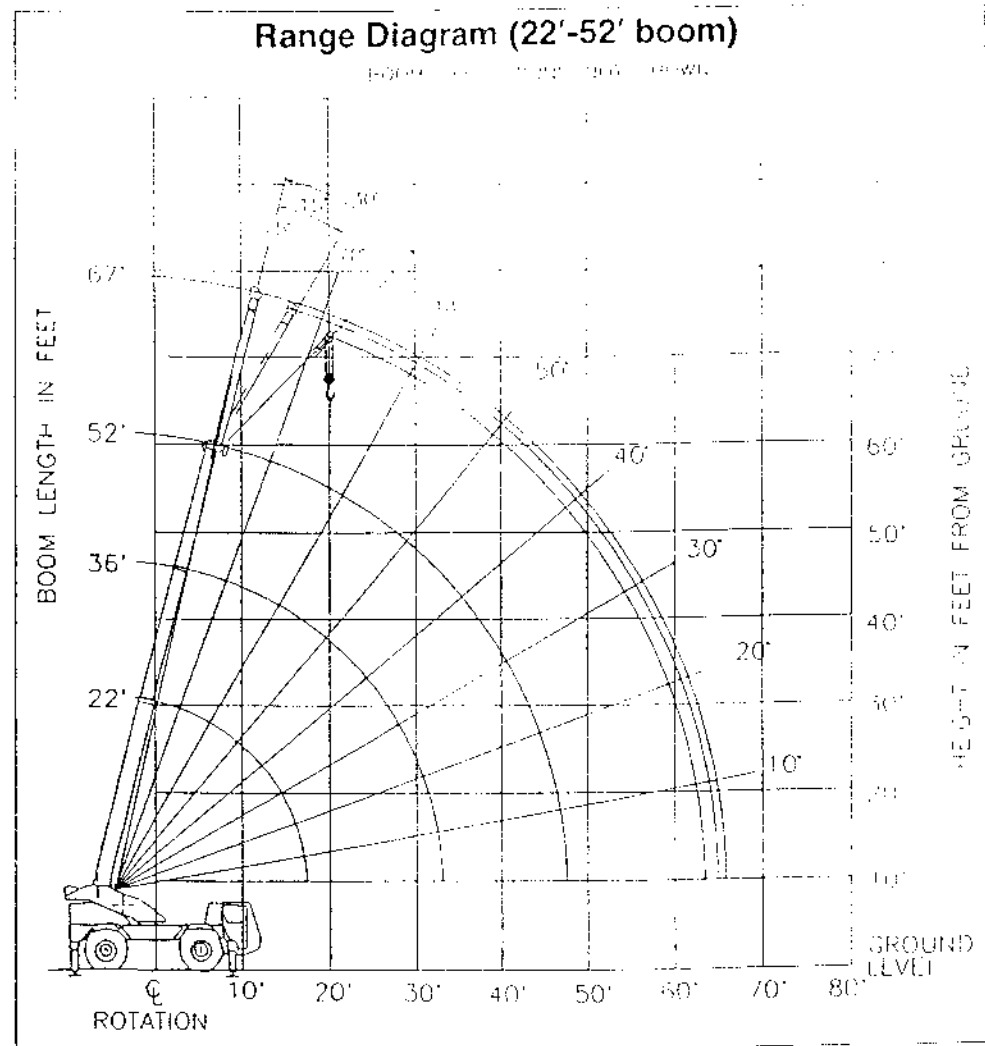
All Jib-- in Stowed Position	0 Lbs
15' Jib Erected	500 Lbs.

HOOK BLOCK WEIGHTS

Hook & Ball	121 Lbs.
Hook Block (2 Sheave)	325 Lbs.
Hook Block (3 Sheave)	350 Lbs.

3'–4"   2'–7"

Dimensions are for largest factory furnished hook block and hook & ball, with anti-two block activated.

Range Diagram (22'-52' boom)

BOOM LENGTH IN FEET

HEIGHT IN FEET FROM GROUND

67'   52'   36'   22'

90'   40'   30'   20'   10'

60'   50'   40'   30'   20'   10'

GROUND LEVEL

℄ ROTATION   10'   20'   30'   40'   50'   60'   70'   80'

CD 118 TURNING CIRCLES

	2–Wheel Steer	4–Wheel Steer
Turning Radius	22' 4"	14' 10.5'
Curb Clearance Circle (Over 15.00 x 22.5 Tires)	45' 11.5"	31' 0.5"
Machine Clearance Circle (Over Boom Head)	49' 0"	34' 2"
(Over Stowed Jib)	50' 7"	35' 9'

CRANE WORKING POSITIONS

WITH OUTRIGGERS   WITHOUT OUTRIGGERS

360°   BOOM   360°   BOOM

OVER FRONT   OVER FRONT

CENTER OF ROTATION

THESE LINES DETERMINE THE LIMITS OF WORKING POSITION WHICH CORRESPOND TO THOSE SHOWN ON THE CRANE CAPACITY CHART
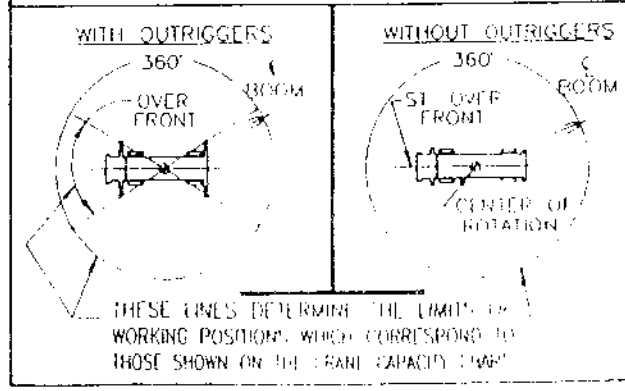
Lifting Capacities — Pounds
(22'-52' boom)

MODEL CD 118

⚠ **CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

COUNTERWEIGHT		STABILITY PERCENTAGE	
BOOM LENGTH		ON OUTRIGGERS	85%
OUTRIGGERS		ON TIRES	75%
		PICK & CARRY	

ON OUTRIGGERS

LOAD RADIUS (FT)	BOOM LENGTH 22 FT			BOOM LENGTH 36 FT			BOOM LENGTH 52 FT			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360 (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360 (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360 (LB)	
5	75.0	36,000*	36,000*							5
6	64.5	30,000*	30,000*							6
8	58.4	28,400*	28,400*	71.3	26,500*	26,500*				8
10	51.9	23,100*	23,100*	67.9	23,200*	22,900*				10
12	44.6	18,800*	18,800*	64.4	19,200*	18,700*				12
15	31.0	14,500*	14,100*	58.8	14,900*	14,500*	69.0	15,000*	13,200*	15
18	**			52.9	12,000*	11,700*	65.4	12,100*	11,800*	18
20				48.7	10,500*	10,200*	62.9	10,700*	10,400*	20
25				36.4	7,900*	7,400*	56.4	8,000*	7,600	25
30				17.5	6,100*	5,400*	49.4	6,300*	5,600	30
35							41.4	5,000	4,200	35
40							31.8	3,900	3,300	40
45							17.9	3,100	2,600	45
50										50

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 22 FT			BOOM LENGTH 36 FT			BOOM LENGTH 52 FT		
LOAD RADIUS (FT)	OVER FRONT (LB)	360 (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360 (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360 (LB)
17.5	8,500*	8,500*	31.3	4,500*	4,500*	47.1	2500*	2,300

ON TIRES

RADIUS (FT)	MAX BOOM LENGTH (FT)	15:00 X 22.5-16PR				RADIUS (FT)
		STATIONARY	PICK & CARRY			
			CREEP	2.5 MPH		
		360	STRAIGHT OVER FRONT			
6	22	15,500*				6
8	22	13,300*				8
10	22	10,300*	15,500*	12,300*	10,100*	10
12	36	8,300*	13,300*	10,500*	8,600*	12
15	36	6,300*	9,900*	8,300*	6,900*	15
18	52	4,900	7,350	7,000*	5,600*	18
20	52	4,000	6,200	6,200	5,000*	20
25	52	2,700	4,300	4,300	3,800*	25
30	52	2,000	3,100	3,100	2,900*	30
35	52	1,400	2,500			35
40	52	1,100	1,800		1,300	40
45	52	700	1,400		1,400	45

Notes for On Tires Capacities:
A. For Pick and Carry Operations, boom must be centered over front and mechanically locked.
B. The load shall not be rotated from over center.
C. Creep speed is a maximum movement of 200 feet in any 30 minute period not to exceed 1 mph.
D. Tires to be proper inflation and radius as shown.
E. Without outriggers, boom must be over the front.

SIDE STOW JIB ON OUTRIGGERS

LOADED BOOM ANGLE (DEG)	15 FT OFFSETTABLE JIB						LOADED BOOM ANGLE (DEG)
	0° OFFSET		15° OFFSET		30° OFFSET		
	LOAD RADIUS (REF) (FT)	360 (LB)	LOAD RADIUS (REF) (FT)	360 (LB)	LOAD RADIUS (REF) (FT)	360 (LB)	
75	16'-2"	5,550*	18'-4"	4,100*	21'-1"	3,400*	75
73	18'-9"	5,550*	21'-1"	4,000*	23'-8"	3,400*	73
71	21'-2"	5,400*	23'-9"	3,800*	26'-1"	3,200*	71
68	24'-8"	5,400*	27'-5"	3,600*	29'-7"	3,100*	68
65	27'-11"	5,000*	30'-10"	3,500*	32'-10"	3,000*	65
62	31'-1"	4,700*	34'-0"	3,300*	35'-11"	2,900*	62
59	34'-1"	4,400*	37'-0"	3,200*	38'-9"	2,800*	59
55	37'-10"	4,000	40'-4"	3,100*	41'-10"	2,700*	55
51	41'-5"	3,500	43'-5"	3,100*	44'-10"	2,600*	51
47	44'-6"	3,000	46'-5"	2,900*	47'-10"	2,500*	47
43	47'-5"	2,700	49'-4"	2,500	50'-5"	2,300	43
38	51'-1"	2,300	52'-9"	2,200	53'-9"	2,100	38
32	54'-4"	2,200	55'-9"	1,900	56'-5"	1,800	32
25	57'-8"	1,800	59'-0"	1,700			25
17	61'-1"	1,500	63'-0"	1,500			17
0	63'-3"	1,400					0

Notes for Jib Capacities.

RECOMMENDED TIRE PRESSURE

TIRE SIZE	STATIONARY	TRAVEL
15:00 X 22.5-16PR		90 PSI

MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS					
6X19 OR 6X37 IWRC					
BOOM HEAD					
BOOM BLOCK					