

OPER. RAD IN METRES	12-2		15-2		18-3		21-3		24-4		27-4		30-5		33-5		36-6		39-6		42-7		45-7		48-8		51-8		OPER. RAD IN METRES	
	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE	BOOM PT. EL.	RATINGS	ANGLE		BOOM PT. EL.
3-50	79	14-55	36 290																										3-50	
4-00	76	14-44	34 470																										4-00	
4-50	74	14-30	32 200	77	17-45	28 870																							4-50	
5-00	71	14-15	29 570	75	17-33	27 170																							5-00	
6-00	66	13-76	24 300	71	17-03	23 860	75	20-21	23 170	77	23-36	22 450																	6-00	
7-00	61	13-27	20 370	67	16-65	20 280	71	19-91	20 180	74	23-10	19 870																	7-00	
8-00	56	12-65	17 330	63	16-19	17 240	68	19-53	17 150	71	22-78	17 060	74	25-98	16 970	75	29-14	16 880	77	32-28	16 430								8-00	
9-00	50	11-89	14 780	59	15-63	14 690	64	19-09	14 620	68	22-42	14 560	71	25-56	14 470	73	28-86	14 380	75	32-03	14 240	76							9-00	
10-00	43	10-94	12 610	54	14-97	12 520	61	18-58	12 430	65	21-99	12 340	69	25-30	12 250	71	28-54	12 160	73	31-75	12 070	75							10-00	
12-00																														12-00
14-00																														14-00
16-00																														16-00
18-00																														18-00
20-00																														20-00
22-00																														22-00
24-00																														24-00
26-00																														26-00
28-00																														28-00
30-00																														30-00
32-00																														32-00
34-00																														34-00
36-00																														36-00
36-50																														36-50

ON RUBBER OVER SIDE BOOM LENGTHS IN METRES							
OPER. RAD. m	12-2	15-2	18-3	21-3	24-4	27-4	30-5
3-50	18 140						
4-00	16 240						
4-50	12 930	12 940					
5-00	11 290	11 160					
6-00	8 750	8 660	8 570	8 500			
7-00	7 080	6 990	6 920	6 870			
8-00	5 870	5 780	5 750	5 670	5 620	5 470	5 490
9-00	5 010	4 920	4 880	4 810	4 720	4 670	4 580
10-00	4 350	4 300	4 220	4 170	4 080	3 990	3 950
12-00	3 350	3 240	3 170	3 120	3 040	2 970	2 900
14-00		2 650	2 540	2 470	2 380	2 310	2 270
16-00			2 040	1 970	1 910	1 830	1 750
18-00			1 670	1 610	1 540	1 450	1 390
20-00				1 310	1 270	1 160	1 130
22-00				1 090	1 000	920	860
24-00					770	700	660
26-00						540	520
28-00							390
30-00							290
30-50							260

ON RUBBER OVER REAR BOOM LENGTHS IN METRES							
OPER. RAD. m	12-2	15-2	18-3	21-3	24-4	27-4	30-5
3-50	21 320						
4-00	19 280						
4-50	16 030						
5-00	13 740	13 650					
6-00	10 950	10 890					
7-00	9 030	8 960	8 870	8 810			
8-00	7 640	7 550	7 480	7 470	7 350	7 320	7 260
9-00	6 580	6 510	6 440	6 390	6 300	6 250	6 180
10-00	5 760	5 670	5 620	5 540	5 470	5 400	5 330
12-00	4 570	4 470	4 400	4 350	4 260	4 210	4 120
14-00		3 640	3 550	3 490	3 440	3 360	3 290
16-00			2 960	2 900	2 810	2 760	2 690
18-00			2 490	2 420	2 360	2 270	2 220
20-00				2 040	1 990	1 900	1 860
22-00					1 680	1 590	1 540
24-00					1 430	1 340	1 290
26-00						1 180	1 070
28-00							990
30-00							750
30-50							720

HOIST REEVING WIRE ROPE 19mm DIA. BREAKING STRENGTH 266 KN								
NO. OF PARTS OF LINE	1	2	3	4	5	6	7	8
MAXIMUM LOAD KG.	4536	9073	13609	18145	22681	27218	31754	36290

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM THE CENTRELINE OF ROTATION TO A VERTICAL LINE THROUGH THE GRAVITY CENTRE OF THE LOAD. GROSS CRANE RATINGS SHOWN ARE FOR UNITS WITH 7456 KG. CAST COUNTERWEIGHT MOUNTED ON P & H CARRIER WITH TANDEM FRONT AND REAR AXLES AND COMPLY WITH THE REQUIREMENTS OF CB 2-1960, AMDT 1, 2 & 3. THE CRANE RATINGS INCLUDE WEIGHT OF HOOKBLOCK, SLINGS AND ALL OTHER LOAD HANDLING ACCESSORIES.

RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS EXTENDED TO A FULCRUM POINT OF 2.3 m. FROM CENTRE OF CARRIER. RATINGS ON RUBBER DEPEND UPON PROPER INFLATION CAPACITY AND CONDITION OF TYRES. GANTRY MUST BE IN RAISED POSITION WHEN MACHINE IS WORKING WITH CRANE BOOM ATTACHMENT. NOT MORE THAN ONE 3.0 m. INSERT PERMITTED IN BOOMS LONGER THAN 30.5 m. WHEN BOOM IS EQUIPPED WITH JIB, MAIN HOOK RATINGS SHOULD BE REDUCED BY 680 KG. FOR 6-1 m. OR 9-1 m. 907 KG. FOR 12-2 m. AND 1134 KG. FOR 15-2 m. JIB.

JIB ANGLE OFFSET UNDER FULL LOAD	JIB RATINGS (KG.)			
	6-1	9-1	12-2	15-
10°	6350	4536	3630	2720
20°	5900	4310	3400	2490
30°	5440	4080	3175	2270

JIB CRANE RATINGS AT ANY RADIUS FROM CENTRE OF ROTATION, THE SAME AS CRANE RATING SHOWN IN TABLE FOR MAIN BOOM WHEN OPERATED AT THAT RADIUS, BUT NOT TO EXCEED MAXIMUM JIB RATINGS SHOWN. FOR BUCKET RATINGS ON JIB, DEDUCT 20% FROM JIB RATINGS. MAXIMUM JIB OPERATING RADIUS IS NOT TO EXCEED LENGTH OF MAIN BOOM ON WHICH IT IS BEING USED. USE OF OUTRIGGERS RECOMMENDED WHEN BOOM IS EQUIPPED WITH JIB. TWO PART LINE REQUIRED FOR JIB WHEN LOAD IS IN EXCESS OF 4535 KG.

BACKSTOPS RECOMMENDED FOR ALL BOOM LENGTHS AT RADIUS AND BOOM LENGTHS WHERE NO RATINGS ARE SHOWN. OPERATION IS NOT INTENDED OR APPROVED. RATINGS ARE BASED UPON FREELY SUSPENDED LOADS AND MACHINE STANDING ON FIRM, LEVEL, UNIFORM SURFACE. SAFE LOADS DEPEND UPON GROUND CONDITION, BOOM LENGTH, RADIUS OF OPERATION AND PROPER HANDLING. ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR. RATINGS ARE CONTINGENT UPON MACHINE BEING EQUIPPED WITH PROPER BOOM, CENTRE HITCH REQUIRED FOR BOOM LENGTHS 36.6 m. AND OVER.

RATINGS ON OUTRIGGERS APPLY TO LIFTS OVER SIDES AND REAR ONLY.

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND				
	WITH OUTRIGGERS		WITHOUT OUTRIGGERS	
	BOOM ONLY	BOOM & JIB	BOOM ONLY	BOOM & JIB
SIDE	51-8	42-7+15-2	30-5	24-4+6-10
REAR	51-8	45-7+15-2	33-5	27-4+6-10

FRONT BUMPER COUNTERWEIGHT REQUIRED TO LIFT 45-7 m & 12-2 m BOOM OFF GROUND.

OPER. RAD. IN METRES	CLAMSHELL		DRAGLINE	
	12-2m BOOM	15-2m BOOM	12-2m BOOM	15-2m BOOM
7-60	3855	3855		
9-10	3855	3855		
10-70	3855	3765	3400	
12-20		3130	3400	
13-70				2995
15-20				2585

CLAMSHELL RATINGS SHOWN ALSO APPLY TO MAGNET, GRAPPLE AND ALL OTHER MATERIAL HANDLING BUCKETS, EXCEPT DRAGLINE WHICH IS RATED SEPARATELY. FOR CLAMSHELL, DRAGLINE AND MAGNET OPERATIONS, THE WEIGHT OF BUCKET OR MAGNET IS CONSIDERED A PART OF THE LOAD AND THE TOTAL WEIGHT OF BUCKET PLUS CONTENTS OR MAGNET, PLUS LOAD MUST NOT EXCEED THE CORRESPONDING RATINGS SHOWN. MAXIMUM ALLOWABLE SIZE OF DRAGLINE OR CLAMSHELL BUCKET IS ONE CUBIC YARD (0-7646 m³).

* MACHINE MAY BE OPERATED WITH HIGH GANTRY LOWERED FOR RATED CRANE LOADS, PROVIDED BOOM LENGTH IS NO GREATER THAN 21-3 m. AND BOOM ANGLE IS NO LESS THAN 30°.

4/40 TC

WEIGHT OF LOAD HANDLING DEVICES	
SINGLE SHEAVE HOOK BLOCK	143 KG.
2 SHEAVE HOOK BLOCK	281 KG.
4 SHEAVE HOOK BLOCK	703 KG.
SINGLE LINE JIB HOOK	141 KG.