

LOAD CHART "W"

● LIFTING CAPACITIES

RATED CRANE LOADS IN KG (LBS.)—MAIN BOOM IN 360° WORK AREA

Operating Radius In Meters (Ft.-In.)	9.14m (30) Boom			12.19m (40) Boom			15.24m (50) Boom			18.29m (60) Boom			21.34m (70) Boom			24.38m (80) Boom			27.43m (90) Boom			30.48m (100) Boom		
	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating	Angle (°)	Boom Pt. EL	Rating
3.0 (9-10)	78	10.4 (34-0)	22,000 (48,500)																					
3.5 (11-6)	74	10.2 (33-7)	18,130 (39,970)	78	13.4 (43-11)	18,050 (39,790)																		
4.0 (13-1)	71	10.1 (33-1)	14,750 (32,520)	76	13.3 (43-6)	14,670 (32,340)	79	16.4 (53-9)	14,590 (32,170)															
4.5 (14-9)	68	9.9 (32-6)	12,400 (27,340)	74	13.1 (43-1)	12,320 (27,160)	77	16.3 (53-5)	12,240 (26,980)	79	19.4 (63-8)	12,160 (26,810)												
5.0 (16-5)	64	9.7 (31-9)	10,670 (23,520)	71	13.0 (42-7)	10,590 (23,350)	75	16.2 (53-0)	10,510 (23,170)	78	19.3 (63-4)	10,430 (22,990)	79	22.4 (73-6)	10,350 (22,820)									
6.0 (19-8)	57	9.1 (29-10)	8,300 (18,300)	66	12.6 (41-3)	8,220 (18,120)	71	15.8 (52-0)	8,140 (17,950)	74	19.0 (62-6)	8,060 (17,770)	77	22.2 (72-10)	7,980 (17,590)	78	25.3 (83-1)	7,900 (17,420)						
7.0 (23-0)	49	8.3 (27-5)	6,750 (14,880)	61	12.1 (39-7)	6,670 (14,700)	67	15.5 (50-9)	6,590 (14,530)	71	18.7 (61-5)	6,510 (14,350)	74	21.9 (71-11)	6,430 (14,180)	76	25.1 (82-4)	6,350 (14,000)	78	28.2 (92-7)	6,270 (13,820)	79	31.3 (102-10)	6,190 (13,650)
8.0 (26-3)	40	7.3 (24-0)	5,650 (12,460)	55	11.4 (37-6)	5,570 (12,280)	63	15.0 (49-2)	5,490 (12,100)	68	18.3 (60-2)	5,410 (11,930)	71	21.6 (70-11)	5,330 (11,750)	74	24.8 (81-5)	5,250 (11,570)	75	28.0 (91-9)	5,170 (11,400)	77	31.1 (102-1)	5,090 (11,220)
9.0 (29-6)	29	5.9 (19-3)	4,840 (10,670)	49	10.7 (34-11)	4,760 (10,490)	59	14.4 (47-4)	4,680 (10,320)	64	17.9 (58-9)	4,600 (10,140)	68	21.2 (69-8)	4,520 (9,960)	71	24.5 (80-4)	4,440 (9,790)	73	27.7 (90-10)	4,360 (9,610)	75	30.9 (101-3)	4,280 (9,440)
10.0 (32-10)				43	9.7 (31-9)	4,140 (9,130)	54	13.7 (45-1)	4,060 (8,950)	61	17.4 (57-0)	3,980 (8,770)	65	20.8 (68-3)	3,900 (8,600)	69	24.1 (79-1)	3,820 (8,420)	71	27.4 (89-9)	3,740 (8,250)	73	30.6 (100-4)	3,660 (8,070)
12.0 (39-4)				26	6.7 (22-0)	3,230 (7,120)	44	12.0 (39-4)	3,150 (6,940)	53	16.1 (52-8)	3,070 (6,770)	59	19.7 (64-9)	2,990 (6,590)	63	23.2 (76-1)	2,910 (6,420)	67	26.6 (87-7)	2,830 (6,240)	69	29.9 (98-0)	2,750 (6,060)
14.0 (45-11)							32	9.4 (30-10)	2,530 (5,580)	45	14.3 (46-11)	2,450 (5,400)	53	18.4 (60-3)	2,370 (5,220)	58	22.1 (72-5)	2,290 (5,050)	62	25.6 (84-0)	2,210 (4,870)	65	29.0 (95-2)	2,130 (4,700)
16.0 (52-6)										35	11.9 (39-1)	2,000 (4,410)	46	16.6 (54-6)	1,920 (4,230)	52	20.7 (67-10)	1,840 (4,060)	57	24.4 (80-1)	1,760 (3,880)	61	28.0 (91-10)	1,680 (3,700)
18.0 (59-1)													37	14.3 (47-1)	1,570 (3,460)	46	18.9 (62-1)	1,490 (3,280)	52	23.0 (75-5)	1,410 (3,110)	56	26.7 (87-9)	1,330 (2,930)
20.0 (65-7)													27	11.1 (36-7)	1,300 (2,870)	39	16.7 (54-11)	1,220 (2,690)	46	21.2 (69-8)	1,140 (2,510)	52	25.3 (82-11)	1,060 (2,340)
25.0 (82-0)																			29	14.7 (48-4)	700 (1,540)	38	20.2 (66-5)	620 (1,370)

- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the centerline of gravity of the load.
- Ratings shown are only for combination of manufactured upper, crawler, boom, jib and counterweights.
- Ratings shown do not exceed 75% of tipping load. Deduct weight of hook, block (s), slings and all other load handling accessories from the main boom or jib rating shown.
- Boom backstops are required for all boom lengths. Boom inserts must be arranged as shown in the "Owner and Operator's Manual".
- Gantry must be in raised position for all operating conditions.
- When boom is equipped with jib, main hook ratings must be reduced by 700 kg (1,540 lbs.).
- Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.

HOIST REEVING							
Wire rope: 13mm Dia. minimum breaking strength 118kn.							
Permissible line loads in kilograms							
Parts line	1	2	3	4	5	6	7
Main	3,000	6,000	9,000	12,000	15,000	18,000	20,000

WEIGHT OF HOOK BLOCKS IN KILOGRAMS	
Single line hook	45
3 Sheave Hook Block	215