

Basic length .....	12.19 m (40')
Jib base section .....	6.10 m (20')
Jib tip section .....	6.10 m (20')

**JIB INSERT SECTIONS (OPTIONAL):**

Jib insert available for extension, tubular lattice type, high tensile steel chords, all welded, pin connections.  
Available in only 6.10 m (20').

**HOOK BLOCKS:**

- 100 metric ton block with five sheaves, swivel hook and safety latch — standard.
- 65 metric ton block with three sheaves, swivel hook and safety latch — optional.
- 25 metric ton block with single sheave, swivel hook and safety latch — optional.
- 12 metric ton weighted ball hook with safety latch for jib — optional.

**DIAMETER OF WIRE ROPE:**

Hoist wire rope — std. ....	28 mm (1.10")
Jib hoist wire rope — opt. ....	24 mm (0.94")
Boom hoist wire rope (12 part line) — std. ....	20 mm (0.79")
Boom suspension wire rope (4 part line) — std. ....	28 mm (1.10")
Jib suspension wire rope (2 part line) — opt. ....	22 mm (0.87")

Length in four sections .....	21.34 m (70')
Jib base section .....	6.10 m (20')
1 — jib insert .....	6.10 m (20')
1 — jib insert .....	3.05 m (10')
Jib tip section .....	6.10 m (20')

**JIB INSERT SECTIONS (OPTIONAL):**

Jib insert available for extension. Available in 6.10 m (20') and 9.14 m (30') long.

**HOOK BLOCK:**

25 metric ton block with single sheave, swivel hook and safety latch.

**DIAMETER OF WIRE ROPE:**

Hoist wire .....	28 mm (1.10")
Tower hoist wire rope .....	20 mm (0.79")
Jib boom hoist wire rope .....	24 mm (0.94")
Tower suspension wire rope .....	28 mm (1.10")
Jib suspension wire rope (upper) .....	32 mm (1.26")
Jib suspension wire rope (lower) .....	38 mm (1.50")

**TOWER CRANE ATTACHMENTS**



**TOWER BOOM:**

Lattice type tubular boom consisting of tapered base section, three inserts and cap section.  
Sections are pin connected. High tensile steel chords all welded. Tower extendible to 45.72 m (150').

Length in five sections .....	33.53 m (110')
Base section .....	7.62 m (25')
1 — insert .....	3.05 m (10')
1 — insert .....	6.10 m (20')
1 — insert .....	9.14 m (30')
Cap section .....	7.62 m (25')

**TOWER INSERT SECTIONS (OPTIONAL):**

Tower insert available for extension. Available in 3.05 m (10') and 9.14 m (30') long.

**JIB:**

Lattice type tubular boom consisting of two equal tapered base sections and two inserts, high tensile steel chords all welded, pin connections. Jib extendible to 36.58 m (120').

**CLAMSHELL ATTACHMENT**



**BASIC BOOM:**

Two piece, open throat lattice type tubular boom consisting of tapered base section and tapered tip section, high tensile steel chords all welded, pin connections. Boom extendible to 27.43 m (90').

Basic length .....	15.24 m (50')
Boom base section .....	7.62 m (25')
Boom tip section .....	7.62 m (25')

**BOOM INSERT SECTIONS (OPTIONAL):**

Tubular lattice type, high tensile steel chords, all welded, pin connections. Available in 3.05 m (10') and 6.10 m (20') long.

**TAGLINE WINDER:**

Spring type.

**BUCKET:**

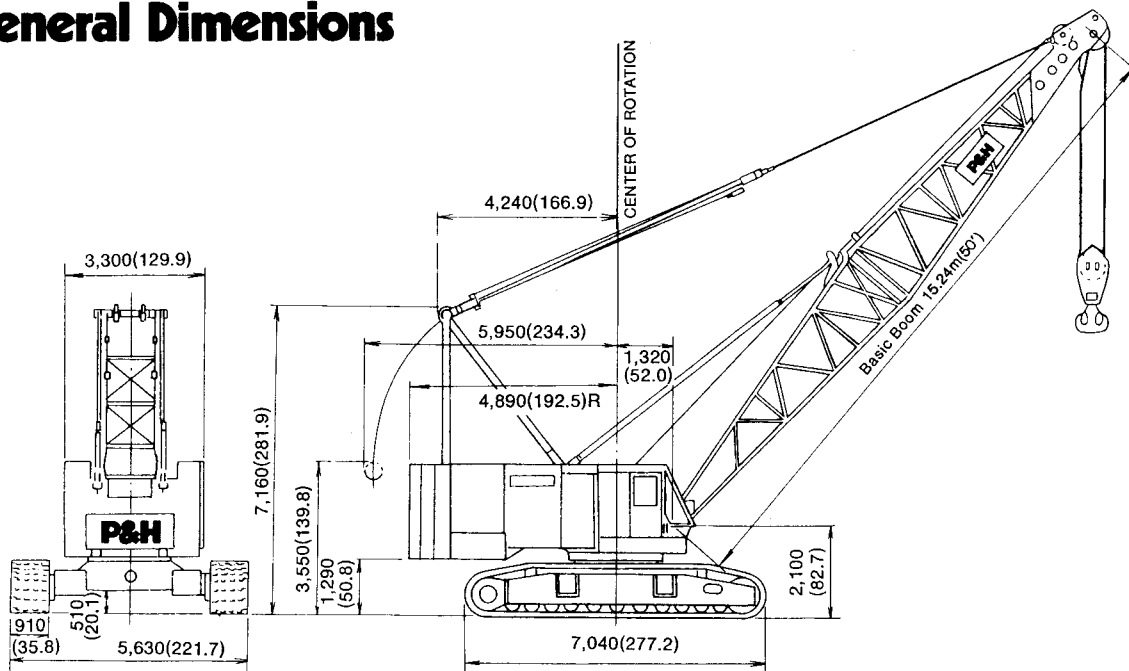
Max. allowable bucket size .....	3.0 m <sup>3</sup> (3.9 cu. yd.)
Max. allowable bucket weight (approx.) .....	5,500 kg (12,100 lbs.)

**DIAMETER OF WIRE ROPE:**

Boom hoist wire rope .....	20 mm (0.79")
Holding wire rope .....	28 mm (1.10")
Closing wire rope .....	28 mm (1.10")
Boom suspension wire rope (4 part line) .....	28 mm (1.10")

**General Dimensions**

Unit: mm(in.)

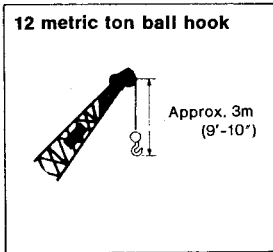
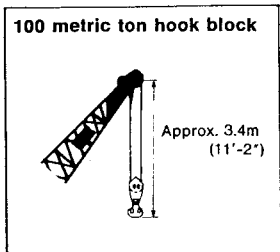
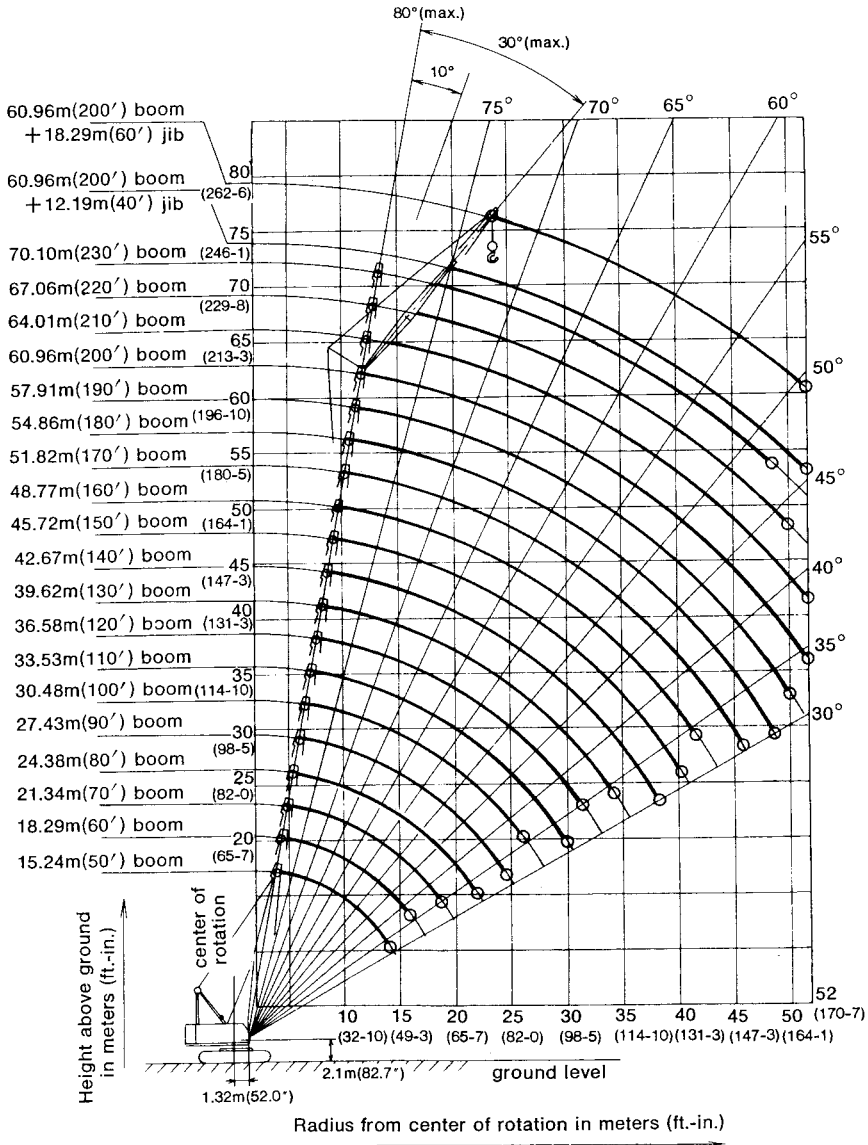


# 100-M ton Crawler Crane

70.10m Boom

60.96m Boom + 18.29m Jib

## Working Ranges



# Lifting Capacities

## RATED CRANE LOADS IN KGS (LBS.) – MAIN BOOM IN 360° WORK AREAS

Operating Radius in Meters (Ft.-In.)	15.24 m (50') Boom	18.29 m (60') Boom	21.34 m (70') Boom	24.38 m (80') Boom	27.43 m (90') Boom	30.48 m (100') Boom	33.53 m (110') Boom	36.58 m (120') Boom	39.62 m (130') Boom	42.67 m (140') Boom
4.5 (14-9)	100,000 (220,000)									
5.0 (16-5)	100,000 (220,000)	100,000 (220,000)								
5.3 (17-5)	100,000 (220,000)	92,000 (202,800)								
6.0 (19-8)	76,000 (167,600)	76,400 (168,400)	73,800 (162,700)	69,600 (153,400)						
7.0 (23-0)	59,700 (131,600)	59,500 (131,200)	59,500 (131,200)	59,300 (130,700)	58,800 (129,600)	50,600 (111,600)				
8.0 (26-3)	48,800 (107,600)	48,600 (107,100)	48,500 (106,900)	48,400 (106,700)	48,300 (106,500)	48,300 (106,500)	45,600 (100,500)	41,100 (90,600)		
9.0 (29-6)	41,100 (90,600)	40,900 (90,200)	40,900 (90,200)	40,700 (89,700)	40,700 (89,700)	40,600 (89,500)	40,400 (89,100)	39,500 (87,100)	35,500 (78,300)	32,700 (72,100)
10.0 (32-10)	35,500 (78,300)	35,300 (77,800)	35,200 (77,600)	35,100 (77,400)	35,000 (77,200)	35,000 (77,200)	34,800 (76,700)	34,700 (76,500)	34,400 (75,800)	31,600 (69,700)
12.0 (39-4)	27,800 (61,300)	27,600 (60,800)	27,500 (60,600)	27,300 (60,200)	27,200 (60,000)	27,200 (60,000)	27,000 (59,500)	26,900 (59,300)	26,800 (59,100)	26,600 (58,600)
14.0 (45-11)	22,800 (50,300)	22,500 (49,600)	22,400 (49,400)	22,200 (48,900)	22,200 (48,900)	22,100 (48,700)	21,900 (48,300)	21,800 (48,100)	21,700 (47,800)	21,500 (47,400)
16.0 (52-6)		19,000 (41,900)	18,800 (41,400)	18,700 (41,200)	18,600 (41,000)	18,500 (40,800)	18,300 (40,300)	18,200 (40,100)	18,100 (39,900)	17,900 (39,500)
18.0 (59-1)			16,200 (35,700)	16,000 (35,300)	15,900 (35,100)	15,800 (34,800)	15,600 (34,400)	15,500 (34,200)	15,400 (34,000)	15,200 (33,500)
20.0 (65-7)				14,000 (30,900)	13,800 (30,400)	13,700 (30,200)	13,500 (29,800)	13,500 (29,800)	13,300 (29,300)	13,100 (28,900)
22.0 (72-2)				12,400 (27,300)	12,200 (26,900)	12,100 (26,700)	11,900 (26,200)	11,800 (26,000)	11,700 (25,800)	11,500 (25,400)
24.0 (78-9)					10,900 (24,000)	10,800 (23,800)	10,600 (23,400)	10,500 (23,100)	10,400 (22,900)	10,200 (22,500)
26.0 (85-4)						9,700 (21,400)	9,500 (20,900)	9,400 (20,700)	9,200 (20,300)	9,100 (20,100)
28.0 (91-10)							8,600 (19,000)	8,500 (18,700)	8,300 (18,300)	8,100 (17,900)
30.0 (98-5)							7,800 (17,200)	7,700 (17,000)	7,500 (16,500)	7,300 (16,500)
32.0 (105-0)								7,000 (15,400)	6,900 (15,200)	6,600 (14,600)
34.0 (111-7)									6,300 (13,900)	6,100 (13,400)
36.0 (118-1)										5,500 (12,100)
38.0 (124-8)										5,100 (11,200)
40.0 (131-3)										
42.0 (137-10)										
44.0 (144-4)										
46.0 (150-11)										
48.0 (157-6)										
50.0 (164-1)										
52.0 (170-7)										

NOTE: Ratings inside of box are limited by strength of materials.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATED LOADS AND DISREGARD OF INSTRUCTIONS VOIDS THE WARRANTY.

45.72 m (150') Boom	48.77 m (160') Boom	51.82 m (170') Boom	54.86 m (180') Boom	57.91 m (190') Boom	60.96 m (200') Boom	64.01 m (210') Boom	67.06 m (220') Boom	70.10 m (230') Boom	Operating Radius in Meters (Ft.-In.)
									4.5 (14-9)
									5.0 (16-5)
									5.3 (17-5)
									6.0 (19-8)
									7.0 (23-0)
									8.0 (26-3)
									9.0 (29-6)
									10.0 (32-10)
28,300 (62,400)	25,500 (56,200)								12.0 (39-4)
26,500 (58,400)	24,100 (53,100)	21,900 (48,300)	19,400 (42,800)	19,100 (42,100)					14.0 (45-11)
21,500 (47,400)	21,400 (47,200)	20,600 (45,400)	18,300 (40,300)	18,100 (39,900)	16,800 (37,000)	15,200 (33,500)	13,500 (29,800)	12,200 (26,900)	16.0 (52-6)
17,900 (39,500)	17,700 (39,000)	17,600 (38,800)	17,300 (38,100)	17,100 (37,700)	16,100 (35,500)	14,600 (32,200)	12,900 (28,400)	11,600 (25,600)	18.0 (59-1)
15,200 (33,500)	15,100 (33,300)	14,900 (32,800)	14,900 (32,800)	14,700 (32,400)	14,600 (32,200)	14,000 (30,900)	12,400 (27,300)	11,100 (24,500)	20.0 (65-7)
13,100 (28,900)	13,000 (28,700)	12,800 (28,200)	12,800 (28,200)	12,600 (27,800)	12,500 (27,600)	12,400 (27,300)	11,900 (26,200)	10,500 (23,100)	22.0 (72-2)
11,500 (25,400)	11,300 (24,900)	11,100 (24,500)	11,100 (24,500)	11,000 (24,300)	10,800 (23,800)	10,700 (23,600)	10,600 (23,400)	10,100 (22,300)	24.0 (78-9)
10,100 (22,300)	10,000 (22,000)	9,800 (21,600)	9,800 (21,600)	9,600 (21,200)	9,500 (20,900)	9,300 (20,500)	9,200 (20,300)	9,000 (19,800)	26.0 (85-4)
9,000 (19,800)	8,900 (19,600)	8,700 (19,200)	8,700 (19,200)	8,500 (18,700)	8,300 (18,300)	8,200 (18,100)	8,100 (17,900)	7,900 (17,400)	28.0 (91-10)
8,100 (17,900)	7,900 (17,400)	7,700 (17,000)	7,700 (17,000)	7,600 (16,800)	7,400 (16,300)	7,300 (16,100)	7,100 (15,700)	7,000 (15,400)	30.0 (98-5)
7,300 (16,100)	7,100 (15,700)	6,900 (15,200)	6,900 (15,200)	6,800 (15,000)	6,600 (14,600)	6,500 (14,300)	6,300 (13,900)	6,200 (13,700)	32.0 (105-0)
6,600 (14,600)	6,400 (14,100)	6,300 (13,900)	6,200 (13,700)	6,100 (13,400)	5,900 (13,000)	5,800 (12,800)	5,600 (12,300)	5,500 (12,100)	34.0 (111-7)
6,000 (13,200)	5,800 (12,800)	5,700 (12,600)	5,600 (12,300)	5,500 (12,100)	5,300 (11,700)	5,200 (11,500)	5,000 (11,000)	4,800 (10,600)	36.0 (118-1)
5,500 (12,100)	5,300 (11,700)	5,100 (11,200)	5,100 (11,200)	4,900 (10,800)	4,700 (10,400)	4,600 (10,100)	4,500 (9,900)	4,300 (9,500)	38.0 (124-8)
5,000 (11,000)	4,800 (10,600)	4,700 (10,400)	4,600 (10,100)	4,500 (9,900)	4,300 (9,500)	4,100 (9,000)	4,000 (8,800)	3,700 (8,200)	40.0 (131-3)
4,600 (10,100)	4,400 (9,700)	4,200 (9,300)	4,200 (9,300)	4,000 (8,800)	3,800 (8,400)	3,700 (8,200)	3,500 (7,700)	3,200 (7,100)	42.0 (137-10)
	4,100 (9,000)	3,900 (8,600)	3,800 (8,400)	3,600 (7,900)	3,400 (7,500)	3,200 (7,100)	3,000 (6,600)	2,800 (6,200)	44.0 (144-4)
		3,600 (7,900)	3,500 (7,700)	3,200 (7,100)	3,000 (6,600)	2,800 (6,200)	2,600 (5,700)	2,400 (5,300)	46.0 (150-11)
		3,200 (7,100)	3,100 (6,800)	2,900 (6,400)	2,600 (5,700)	2,500 (5,500)	2,300 (5,100)	2,000 (4,400)	48.0 (157-6)
			2,800 (6,200)	2,600 (5,700)	2,300 (5,100)	2,200 (4,900)	2,000 (4,400)	1,700 (3,700)	50.0 (164-1)
				2,300 (5,100)	2,000 (4,400)	1,900 (4,200)	1,700 (3,700)		52.0 (170-7)
					1,800 (4,000)	1,600 (3,500)			