



Daniel Smith Industries Ltd
 315 Flaxton Road, Rangiora, 7400
 Canterbury, New Zealand.
 Phone: 0064 (0) 3 313 9902
 Fax: 0064 (0) 3 313 9904
 Mobile 0064 (0) 21 33 66 23
 Email: daniel@danielsmith.co.nz

KOBELCO

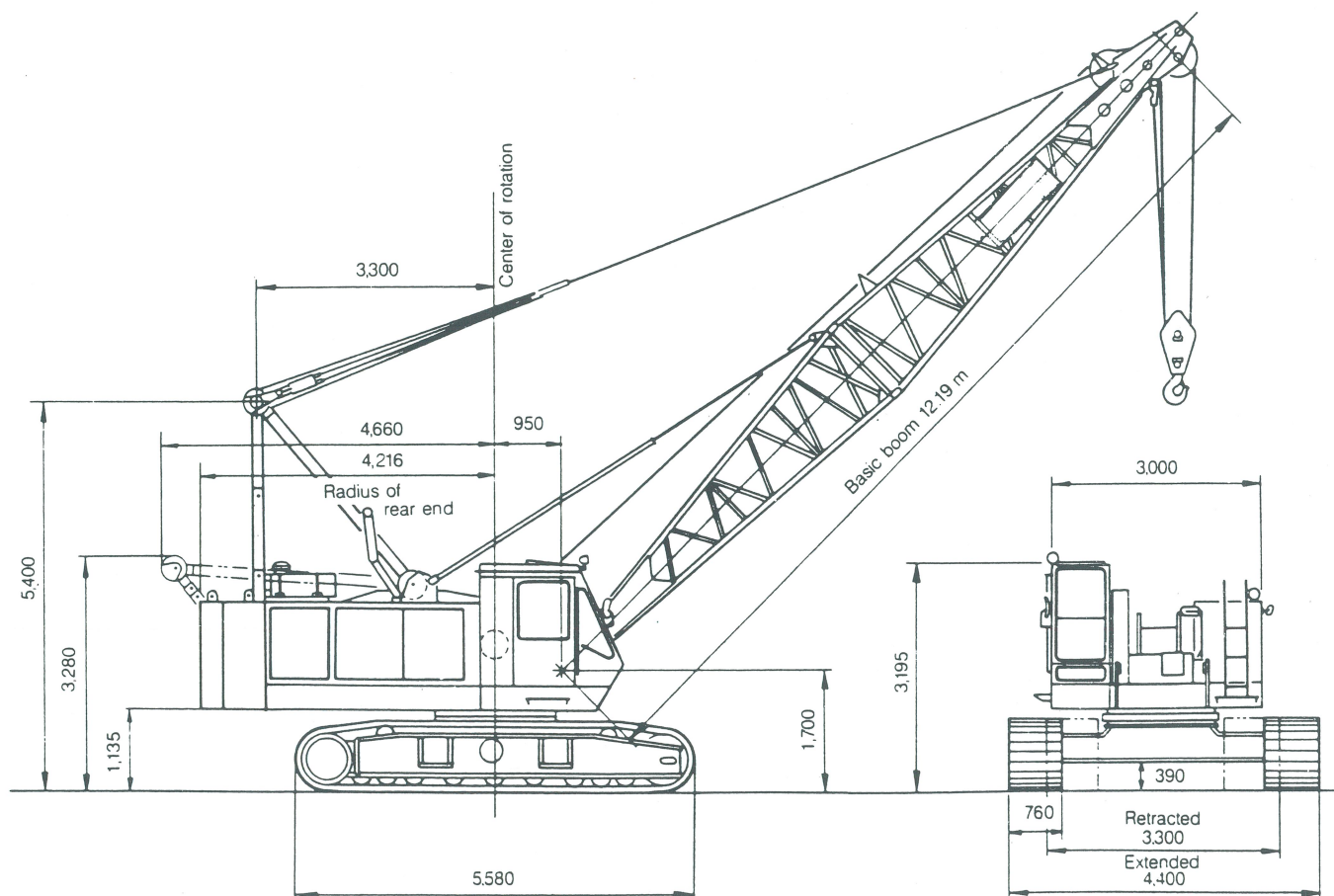
7055

55 ton crawler crane

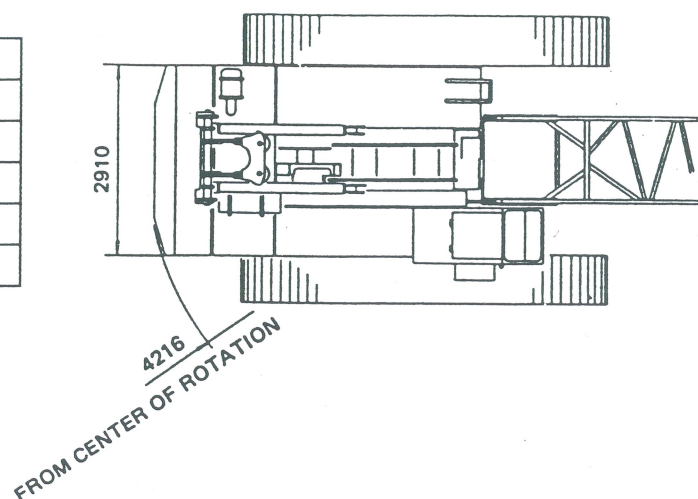
Page 1 of 4

- GENERAL DIMENSIONS -

Unit: mm



Maximum lift capacity	55,000kg
Maximum boom	51.82m
Maximum boom & jib	42.67m + 15.24m
Maximum tower height	41.76m + jib
Maximum tower luffing jib	25.9m
Maximum tower under hook	70 m





Daniel Smith Industries Ltd
 315 Flaxton Road, Rangiora, 7400
 Canterbury, New Zealand.
 Phone: 0064 (0) 3 313 9902
 Fax: 0064 (0) 3 313 9904
 Mobile 0064 (0) 21 33 66 23
 Email: daniel@danielsmith.co.nz

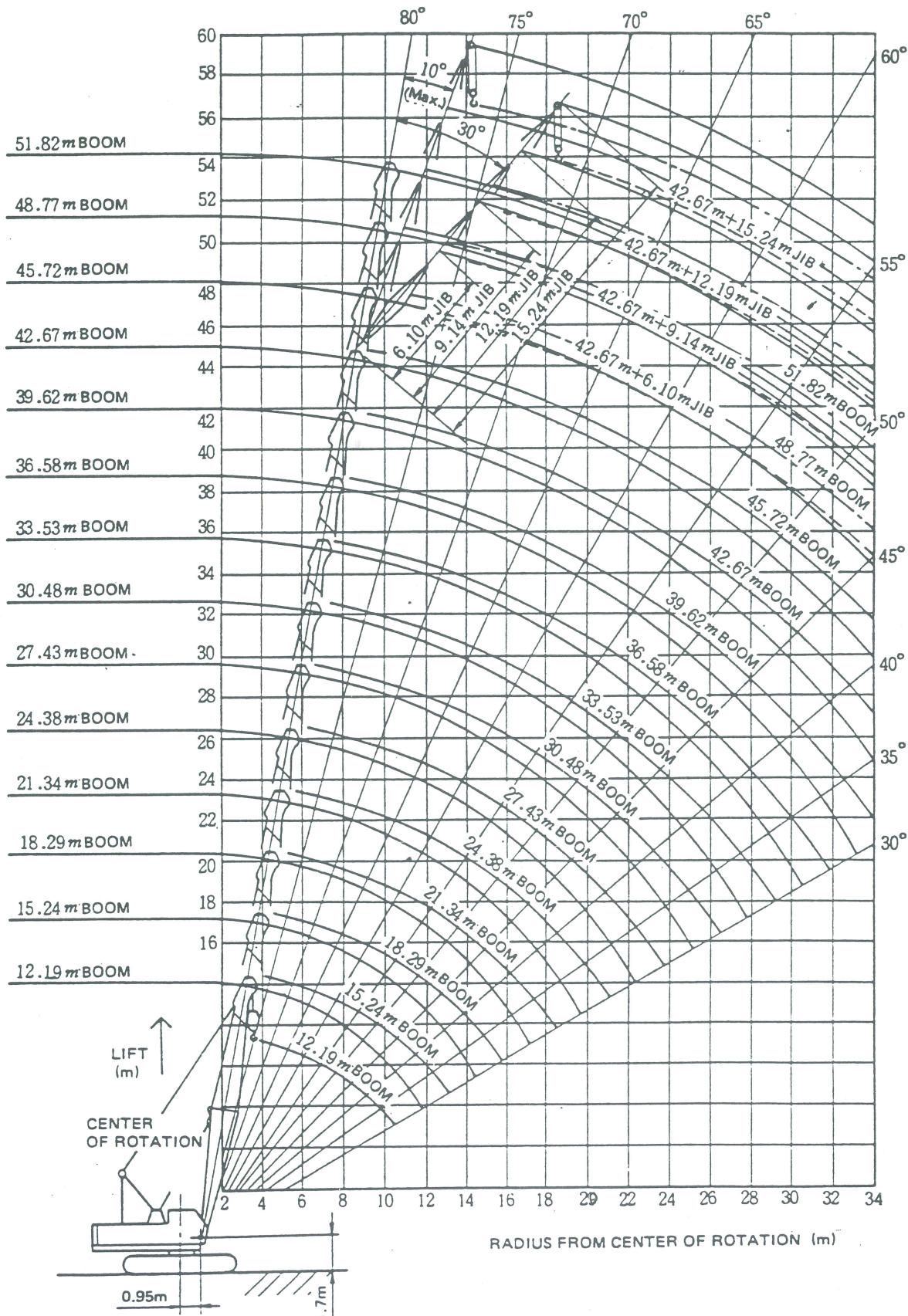
KOBELCO

7055

55 ton crawler crane

Page 2 of 4

- WORKING RANGES - (with Crane Boom)





Daniel Smith Industries Ltd
 315 Flaxton Road, Rangiora, 7400
 Canterbury, New Zealand.
 Phone: 0064 (0) 3 313 9902
 Fax: 0064 (0) 3 313 9904
 Mobile 0064 (0) 21 33 66 23
 Email: daniel@danielsmith.co.nz

KOBELCO

7055

55 ton crawler crane

Page 3 of 4

- RATED LOADS FOR MAIN BOOM -

Boom length m Operating radius (m)															Boom length m Operating radius (m)
	12.19	15.24	18.29	21.34	24.38	27.43	30.48	33.53	36.58	39.62	42.67	45.77	48.77	51.82	
3.7	55.0														3.7
4	50.7	50.6													4
4.5	42.0	41.9	41.9												4.5
5	35.2	35.1	35.1	35.0											5
5.5	30.3	30.2	30.1	30.1	30.0										5.5
6	26.5	26.4	26.4	26.3	26.2	26.1									6
7	21.2	21.1	21.0	20.9	20.8	20.8	20.7	20.6							7
8	17.6	17.5	17.4	17.3	17.3	17.2	17.1	17.0	17.0	16.7					8
9	15.0	14.9	14.8	14.7	14.6	14.5	14.5	14.4	14.3	14.3	14.2				9
10	13.1	12.9	12.8	12.7	12.7	12.6	12.5	12.4	12.4	12.3	12.2	12.1	12.1		10
12	10.7*	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.3	9.2	12
14		8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	14
16			6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.2	6.1	6.1	5.9	16
18				5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.1	5.0	4.9	18
20				5.2	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.3	4.2	4.1	20
22					4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.6	3.5	22
24						3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.1	3.0	24
26							3.2	3.0	3.0	2.9	2.8	2.7	2.6	2.5	26
28								2.7	2.6	2.5	2.4	2.3	2.3	2.2	28
30								2.4	2.3	2.2	2.1	2.0	1.9	1.8	30
32									2.0	1.9	1.8	1.7	1.6	1.5	32
34										1.7	1.6	1.5	1.4	1.2	34

- RATED LOADS FOR FLY JIB -

Unit: ton																										
Operating radius in meters	30.48m Boom								33.53m Boom								36.58m Boom								Operating radius in metres	
	6.10 Jib		9.14 Jib		12.19 Jib		15.24 Jib		6.10 Jib		9.14 Jib		12.19 Jib		15.24 Jib		6.10 Jib		9.14 Jib		12.19 Jib		15.24 Jib			
	Offset Angle								Offset Angle								Offset Angle									
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
8	6.5																								8	
10	6.5	6.5	6.5						6.5*		6.5						6.5*		6.5							10
12	6.5	6.5	6.5	6.0	6.0		5.2		6.5	6.5	6.5		6.0		5.2		6.5	6.5	6.5		6.0		5.2			12
16	6.5	6.5	6.5	6.0	6.0	43**	5.2	3.7	6.4	6.4	6.4	60**	6.0	4.3	5.2	3.7	6.3	6.3	6.3	60**	6.0	4.3	5.2			16
18	5.5	5.5	5.5	5.5	5.5	4.3	5.2	3.7	5.4	5.4	5.4	5.4	5.4	4.3	5.2	3.7	5.3	5.3	5.3	5.3	5.3	4.3	5.2	3.7		18
20	4.7	4.7	4.7	4.7	4.7	4.3	4.7	3.7	4.6	4.6	4.6	4.6	4.6	4.3	4.6	3.7	4.5	4.5	4.5	4.5	4.5	4.3	4.5	3.7		20
22	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.7		22
24	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		24
26	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		26
28									2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		28
30									2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		30
32																	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		32

Operating radius in meters	39.62m Boom								42.67m Boom								Operating radius in metres
	6.10 Jib		9.14 Jib		12.19 Jib		15.24 Jib		6.10 Jib		9.14 Jib		12.19 Jib		15.24 Jib		
	Offset Angle								Offset Angle								
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
10	6.5								6.5								10
12	6.5	6.5	6.5		6.0				6.5	6.5	6.5		6.0				12
16	6.2	6.2	6.2	60**	6.0	4.3	5.2**		6.2	6.2	6.2	60**	6.0	4.3	5.2**		16
18	5.2	5.2	5.2	5.2	5.2	4.3	5.2	3.7	5.1	5.1	5.1	5.1	5.1	4.3	5.1	3.7	18
20	4.4	4.4	4.4	4.4	4.4	4.3	4.4	3.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.7	20
22	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	22
24	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	24
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	26
28	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	28
30	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	30
32	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	32
34	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	34

* This figure applies to an operating radius of 9m.

** This figure applies to an operating radius of 14m.

* This figure applies to an operating radius of 9m.

** This figure applies to an operating radius of 14m.



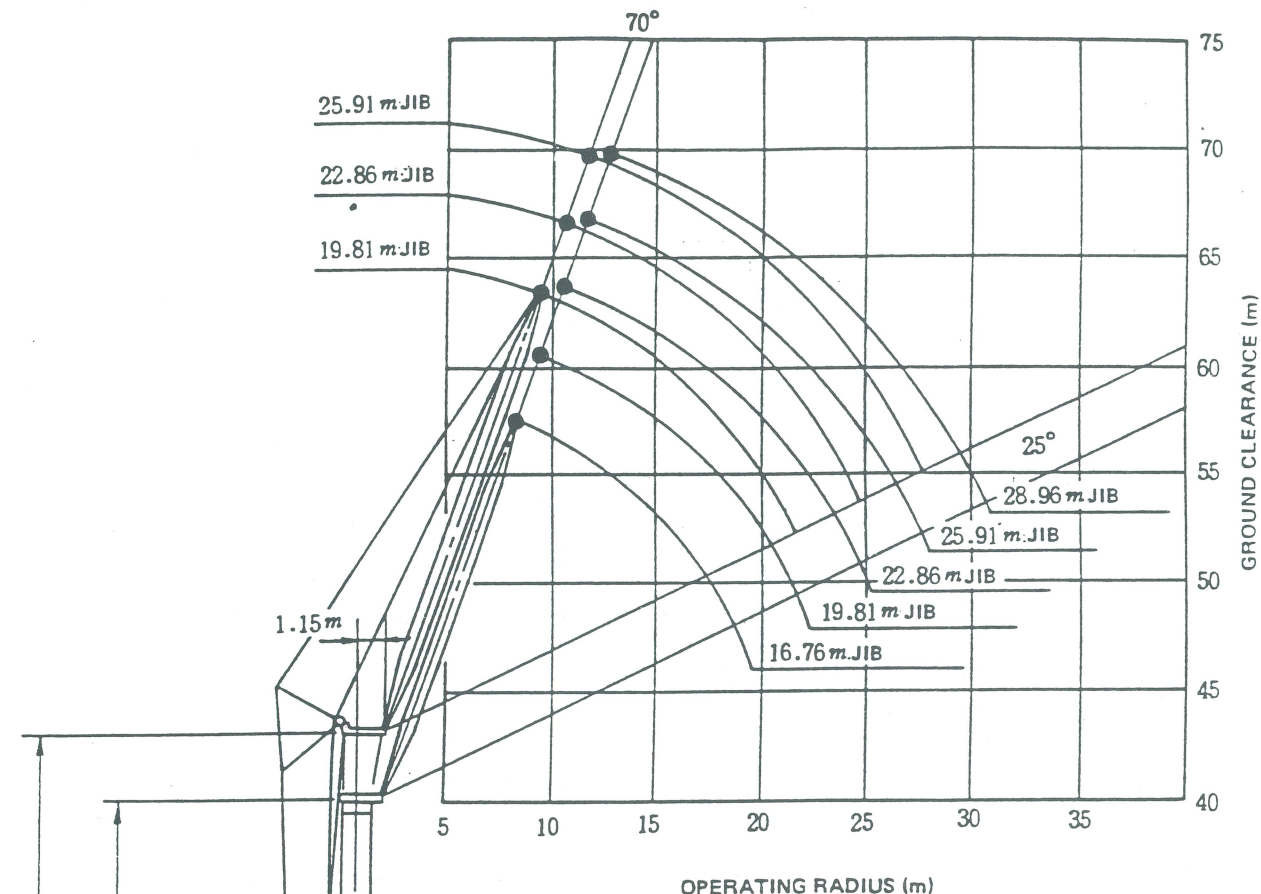
Daniel Smith Industries Ltd
 315 Flaxton Road, Rangiora, 7400
 Canterbury, New Zealand.
 Phone: 0064 (0) 3 313 9902
 Fax: 0064 (0) 3 313 9904
 Mobile 0064 (0) 21 33 66 23
 Email: daniel@danielsmith.co.nz

KOBELCO

7055 55 ton crawler crane

Page 4 of 4

TOWER CRANE WORKING RANGES at (90 degrees)



NOTE: Each working range is of no-load condition.

Rated loads in metric tons for 360 degrees working area

Tower boom length in metres	20.42 - 38.71		23.47 - 38.71	26.52 - 38.71	29.57 - 38.71	41.76		
Jib length → Operating Radius ↓	16.76	19.81	22.86	25.91	28.96	19.81	22.86	25.91
9	11.0							
10	11.0	9.5				8.2		
11	10.2	9.5	8.1			8.2	7.7	
12	9.5	9.5	8.1	6.7		8.2	7.7	6.2
13	8.8	8.8	8.1	6.7	5.5	8.2	7.7	6.2
14	8.1	8.1	8.1	6.7	5.5	7.7	7.7	6.2
16	7.0	7.0	7.0	6.7	5.5	6.7	6.7	6.2
18		6.0	6.0	6.0	5.0	5.8	5.8	5.8
20		5.1	5.1	5.1	4.5	5.0	5.0	5.0
22			4.4	4.4	4.0		4.3	4.3
24				3.7	3.6			3.6
26				3.1	3.1			3.0
28					2.5			

NOTE: 7055 TOWER MAIN BOOM CAN BE OPERATED FROM 90 to 60 degrees.