



Daniel Smith Industries Ltd
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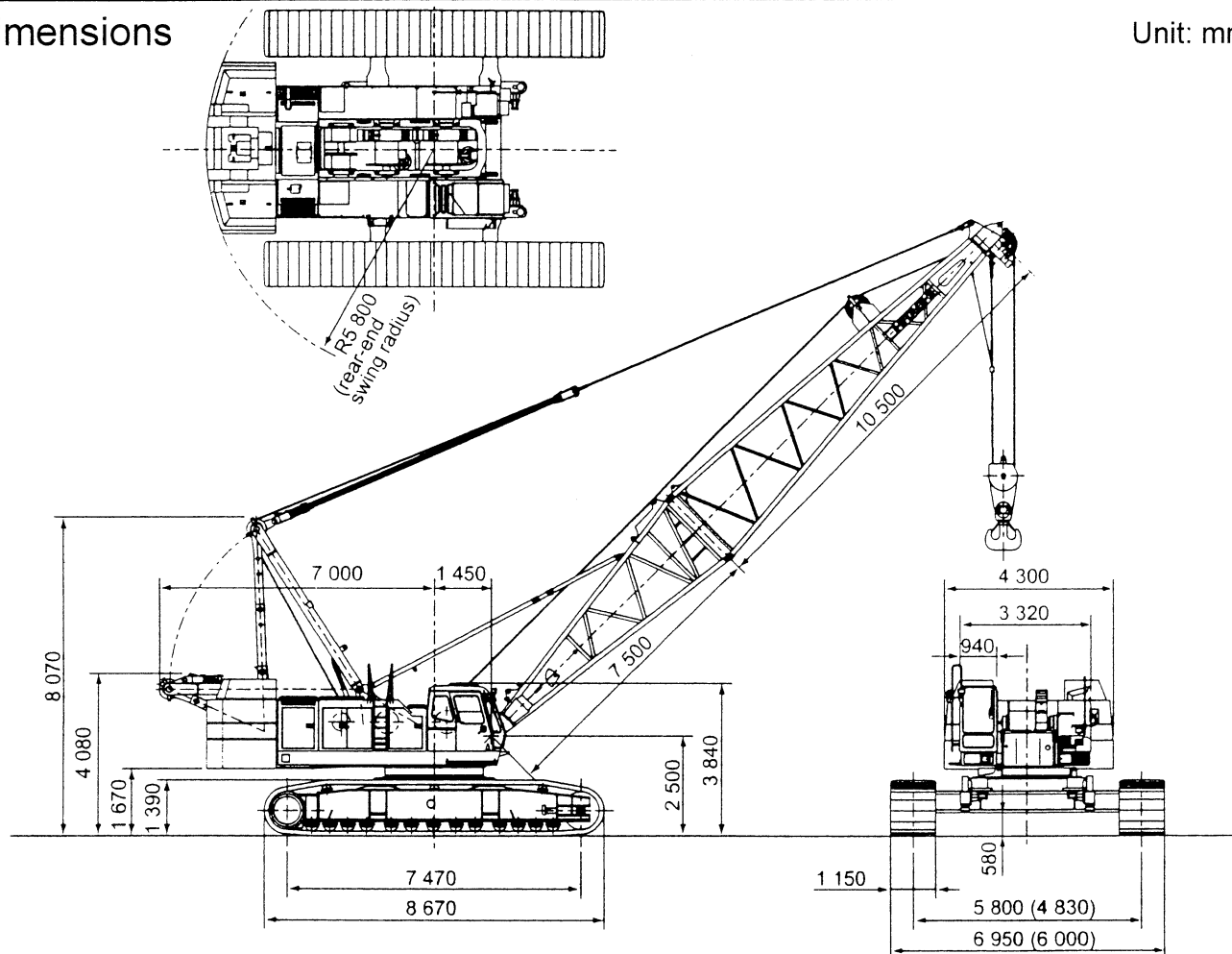
CX 1800

180 Ton Crawler

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Dimensions

Unit: mm



- Note : 1. Dimensions shown in () are with side frames fully retracted.
 2. Self-loading device is option.

Specifications

(1 ton = 1,000kg)

Maximum lift on main boom	ton x m	180 ton x 5 metres
Maximum lift on fly jib	ton x m	25 ton x 18 metres
Basic boom length	m	18 metres
Max. boom length	m	87 metres
Fly jib length	m	13-37
Max. boom with fly jib length	m	Boom 72 + Fly Jib 37
Line speeds		
Main hoist drum	m/min	110/62/31
Aux. hoist drum	m/min	110/62/31
Boom hoist drum	m/min	27x2
Swing speed	min-1 (rpm)	1.9/1.1
Travel speed	km/h	1.2/0.8
Gradeability	% (°)	30(16)
Engine model		Isuzu A-6RBIT
Rated horsepower	kw/min-1 (PS/rpm)	221/2,000 (300/2,000)
Ground pressure	kPa (kgf/cm ²)	89.2 (.091)
Operating weight	ton	168
Operating weight with extra counterweight		+12 ton counterweight + 12 ton carbody = 192 ton (Equipped with 18m boom and 180 ton capacity hook)



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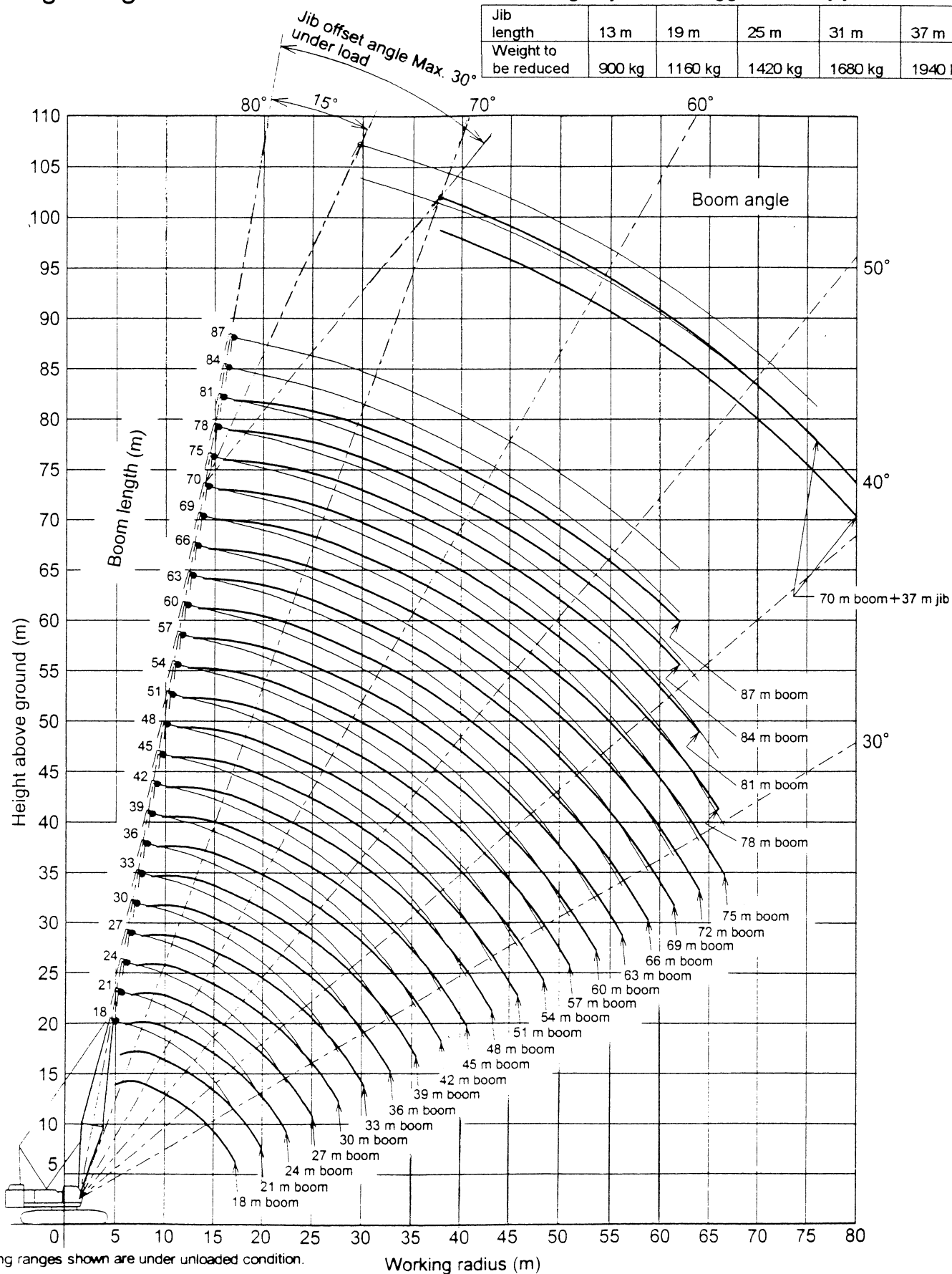
180 Ton Crawler

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Working Ranges

Main boom rating adjustment rigged with fly jib

Jib length	13 m	19 m	25 m	31 m	37 m
Weight to be reduced	900 kg	1160 kg	1420 kg	1680 kg	1940 kg



Note : Working ranges shown are under unloaded condition.

Working radius (m)



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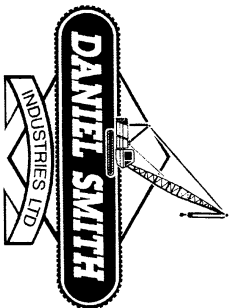
180 Ton Crawler

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Rated loads for main boom (with mast and 91,200kg counterweight)

Working Radius (m)		Room Length (m)														
		45	48	51	54	57	60	63	66	69	72	75	78	81	84	87
9.7	87.5															
10.0	87.0	10.2mx75.0t	10.6mx74.3t	11.3mx62.5t	11.8mx62.3t											
12.0	75.3	75.0	71.3	62.5	62.1	12.3mx57.3t	12.9mx50.0t	13.4mx48.2t	13.9mx44.1t	14.4mx39.8t	14.9mx35.4t	15.5mx32.1t				
14.0	60.8	60.7	60.6	60.4	58.7	54.5	50.0	47.8	44.0	38.8	34.9	31.8	29.0	16.5mx26.3t	17.0mx23.4t	
16.0	50.7	50.6	50.5	50.3	50.2	50.0	48.5	44.9	42.8	36.6	33.9	30.9	28.1	25.7	23.0	
18.0	43.3	43.1	43.0	42.8	42.7	42.5	42.3	42.4	40.1	35.6	32.1	29.9	27.2	24.8	22.1	
20.0	37.5	37.4	37.3	37.1	37.0	36.8	36.5	36.6	36.4	35.6	32.1	29.9	27.2	24.8	22.1	
22.0	33.0	32.8	32.8	32.6	32.4	32.2	32.0	32.0	31.9	31.7	31.1	28.1	26.3	24.0	21.3	
24.0	29.4	29.2	29.1	28.9	28.7	28.5	28.3	28.3	28.1	28.0	27.9	26.3	24.0	21.1	20.6	
26.0	26.3	26.1	26.0	25.8	25.7	25.5	25.2	25.2	25.1	24.9	24.9	24.4	22.2	20.4	19.8	
28.0	23.8	23.6	23.5	23.3	23.1	22.9	22.6	22.6	22.5	22.3	22.2	22.0	20.6	18.7	18.1	
30.0	21.7	21.4	21.3	21.1	20.9	20.7	20.4	20.4	20.3	20.1	20.0	19.8	19.2	17.4	16.2	
32.0	19.8	19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.4	18.2	18.1	17.9	17.8	16.2	14.5	
34.0	18.2	17.9	17.8	17.6	17.4	17.1	16.9	16.8	16.7	16.5	16.4	16.2	16.1	15.1	13.1	
36.0	16.8	16.5	16.3	16.2	15.9	15.7	15.5	15.3	15.2	15.0	15.0	14.7	14.6	14.0	12.2	
38.0	13.9	13.5	13.9	14.9	14.6	14.4	14.2	14.0	14.0	13.7	13.7	13.4	13.3	13.1	11.4	
40.0	12.1	13.5	13.9	13.8	13.5	13.3	13.1	12.9	12.8	12.6	12.5	12.2	12.1	11.9	10.6	
42.0	40.6mx11.8t	11.0	12.9	12.8	12.5	12.2	12.0	11.8	11.8	11.5	11.5	11.2	11.1	10.8	9.9	
44.0		43.2mx10.5t	10.7	11.9	11.6	11.3	11.1	10.9	10.8	10.6	10.5	10.2	10.0	9.7	9.2	
46.0			45.8mx9.3t	10.4	10.7	10.5	10.3	10.1	10.0	9.7	9.6	9.2	9.1	8.8	8.6	
48.0				8.4	9.7	9.7	9.5	9.2	9.1	8.8	8.7	8.3	8.2	7.9	7.8	
50.0				48.4mx8.3t	8.0	8.8	8.6	8.5	8.3	8.0	7.9	7.6	7.4	7.1	7.0	
52.0						7.8	7.7	7.7	7.6	7.3	7.2	6.8	6.7	6.4	6.3	
54.0							6.9	7.1	7.0	6.7	6.5	6.2	6.0	5.7	5.6	
56.0							5.7	6.5	6.3	6.1	5.9	5.6	5.4	5.1	5.0	
58.0								5.7	5.6	5.5	5.4	5.0	4.9	4.6	4.4	
60.0								58.8mx5.2t	4.9	5.0	4.8	4.5	4.3	4.0	3.9	
62.0									61.4mx4.4t	4.4	4.4	4.0	3.8	3.5	3.4	
64.0										3.8	3.8	3.5	3.5	3.1	2.9	
66.0											3.2	3.1	2.9	2.7	2.5	
68.0												66.6mx3.0t	2.6	2.4	2.2	2.1

Hook Capacity (1000kg)	Hook Weight (1000kg)	Maximum Rated Load (1000kg)						
		7 fall	6 fall	5 fall	4 fall	3 fall	2 fall	1 fall
100	1.40	87.5	75.0	62.5	50.0	-	-	-
60	1.20	-	-	60.0	50.0	37.5	25.0	-
25	0.85	-	-	-	-	-	25.0	-
13	0.50	-	-	-	-	-	-	13.0



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GK 1800 180 Ton Crawler

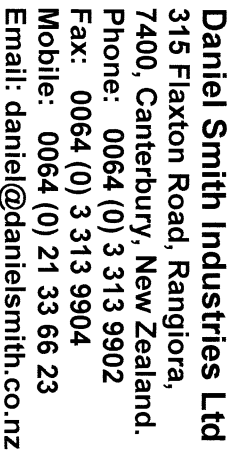
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Rated loads for main boom (with mast and 67,100kg counterweight)

Working Radius (m)	Boom Length (m)																
	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87		
9.7	87.5	10.2mx	10.8mx	11.3mx	11.8mx	12.3mx	12.9mx	13.4mx	13.9mx	14.4mx	14.9mx	15.5mx					
10.0	85.5	75.0	74.3	62.5	62.3	57.3	50.0	48.2	44.1	39.8	35.4	32.1					
12.0	65.7	65.6	65.4	62.5	62.1												
14.0	52.9	52.8	52.6	52.5	52.4	52.2	50.0	47.8	44.0								
16.0	44.0	43.9	43.7	43.5	43.4	43.2	43.0	43.0	42.8	38.8	34.9	31.8	29.0	26.3	23.4		
18.0	37.5	37.3	37.1	37.0	36.8	36.6	36.4	36.4	36.3	36.2	33.9	30.9	28.1	25.7	23.0		
20.0	32.5	32.3	32.1	31.9	31.8	31.6	31.3	31.3	31.2	31.1	31.1	29.9	27.2	24.8	22.1		
22.0	28.5	28.3	28.1	27.9	27.8	27.6	27.3	27.3	27.2	27.1	27.1	26.9	26.3	24.0	21.3		
24.0	25.3	25.1	24.9	24.7	24.5	24.3	24.0	24.0	23.9	23.8	23.8	23.6	23.4	23.1	20.6		
26.0	22.6	22.4	22.2	22.0	21.8	21.6	21.3	21.3	21.2	21.1	21.1	20.9	20.6	20.4	19.8		
28.0	20.4	20.2	19.9	19.7	19.6	19.4	19.1	19.1	19.0	18.8	18.8	18.6	18.4	18.1	18.1		
30.0	18.5	18.2	18.0	17.8	17.7	17.4	17.2	17.2	17.0	16.9	16.9	16.7	16.4	16.2	16.2		
32.0	16.8	16.6	16.4	16.2	16.0	15.8	15.5	15.5	15.4	15.2	15.2	15.0	14.7	14.5	14.5		
34.0	15.4	15.2	15.0	14.7	14.6	14.3	14.0	14.0	13.9	13.8	13.7	13.5	13.3	13.0	13.0		
36.0	14.2	13.9	13.7	13.5	13.3	13.1	12.8	12.8	12.6	12.5	12.4	12.2	12.0	11.8	11.8		
38.0	13.1	12.8	12.6	12.4	12.2	11.9	11.6	11.6	11.5	11.4	11.3	11.1	10.8	10.5	10.5		
40.0	12.1	11.8	11.6	11.4	11.2	11.0	10.6	10.6	10.5	10.4	10.3	10.0	9.7	9.4	9.4		
42.0	40.6mx 11.8	11.0	10.7	10.5	10.3	10.1	9.8	9.8	9.6	9.4	9.3	9.0	8.7	8.4	8.4		
44.0	43.2mx 11.8	9.9	9.7	9.5	9.3	9.3	8.9	8.9	8.7	8.5	8.4	8.1	7.8	7.5	7.4		
46.0	10.5	45.8mx 9.3	9.0	8.8	8.8	8.5	8.1	8.1	7.8	7.7	7.6	7.3	6.9	6.6	6.6		
48.0			8.4	8.1	7.8	7.8	7.4	7.4	7.1	6.9	6.8	6.5	6.2	5.9	5.8		
50.0				48.4mx 8.3	7.4	7.1	6.7	6.7	6.4	6.2	6.1	5.9	5.5	5.3	5.1		
52.0					51.0mx 7.1	6.5	6.1	6.1	5.8	5.6	5.5	5.2	4.9	4.6	4.5		
54.0						53.6mx 6.1	5.5	5.5	5.2	5.1	4.9	4.6	4.3	4.0	3.9		
56.0							5.0	5.0	4.7	4.5	4.4	4.1	3.8	3.5	3.4		
58.0								56.2mx 5.0	4.5	4.2	4.0	3.9	3.6	3.3	2.9		
60.0									58.8mx 4.3	3.8	3.6	3.4	3.2	2.8	2.4		
62.0										61.4mx 3.5	3.2	3.0	2.7	2.4	2.1		
64.0											2.8	2.6	2.3	2.0			
66.0												2.3	2.0				
66.6																	

UNIT : 1000kg

Hook Capacity (1000kg)	Hook Weight (1000kg)	Maximum Rated Load (1000kg)						
		7 fall	6 fall	5 fall	4 fall	3 fall	2 fall	1 fall
100	1.40	87.5	75.0	62.5	50.0	-	-	-
60	1.20	-	-	60.0	50.0	37.5	25.0	-
25	0.85	-	-	-	-	-	25.0	-
13	0.50	-	-	-	-	-	-	13.0



GX 1800 180 Ton Crawler

Rated loads for main boom (without mast and 67,100kg counterweight)

UNIT : 1000kg

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CX 1800

180 Ton Crawler

Rated loads for fly jib (with mast and 67,100kg counterweight) Unit: ton

Main Boom Length (m)	45											
Jib Boom Length (m)	13			19			25		31		37	
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving
14.9	25.00	15.1-13.00										
16.0	25.00	13.00		17.4-18.00	17.7-13.00							
18.0	25.00	13.00	13.00	18.00	13.00							
20.0	23.50	13.00	13.00	18.00	13.00	21.9-10.60	20.2-12.00					
22.0	22.10	13.00	13.00	17.45	13.00	10.60	11.80		22.7-6.90			
24.0	20.85	13.00	12.55	16.95	13.00	10.35	11.45	25.7-8.40	6.85		25.3-4.00	
26.0	19.75	13.00	12.10	16.45	13.00	9.95	11.10	8.40	6.60		4.00	
28.0	18.75	13.00	11.75	15.85	13.00	9.60	10.80	8.20	6.40	29.6-5.10	3.85	
30.0	17.70	13.00	11.35	15.05	13.00	9.30	10.50	7.90	6.20	5.10	3.70	
32.0	16.05	13.00	11.05	14.35	13.00	9.00	10.20	7.65	6.00	5.10	3.60	33.4-2.70
34.0	14.65	13.00	10.75	13.70	13.00	8.75	9.95	7.40	5.80	4.95	3.45	2.70
36.0	13.40	13.00	10.45	13.15	13.00	8.45	9.75	7.15	5.65	4.85	3.30	2.70
38.0	12.30	12.30	10.20	12.60	12.60	8.25	9.50	6.95	5.50	4.75	3.20	2.65
40.0	11.35	11.35	10.00	11.75	11.75	8.00	9.30	6.75	5.35	4.65	3.10	2.60
42.0	10.45	10.45	9.75	10.85	10.85	7.85	9.10	6.55	5.20	4.60	3.00	2.50
44.0	9.70	9.70	9.60	10.05	10.05	7.65	8.95	6.40	5.10	4.50	2.90	2.45
46.0	9.00	9.00	9.25	9.35	9.35	7.50	8.75	6.20	4.95	4.40	2.80	2.40
48.0	8.35	8.35	8.55	8.65	8.65	7.35	8.60	6.05	4.85	4.35	2.75	2.35
50.0	7.75	7.75	7.95	8.10	8.10	7.20	8.45	5.95	4.75	4.30	2.65	2.30
52.0	7.25	7.25	7.40	7.55	7.55	7.05	7.95	5.80	4.65	4.25	2.60	2.25
54.0	53.2-6.95	53.5-6.95	53.9-6.90	7.05	7.05	6.95	7.40	5.70	4.55	4.20	2.50	2.20
56.0				6.60	6.60	6.80	6.95	5.60	4.50	4.15	2.45	
58.0				6.15	6.15	6.35	6.50	5.50	4.40	4.10	2.40	
60.0				59.0-5.95	59.2-5.95	59.9-5.90	6.10	5.40	4.35	4.05	2.35	
62.0							5.70	5.35	4.25	4.05	2.30	
64.0							5.35	5.30	4.20	4.05	2.25	
66.0							65.0-5.20	65.9-5.10	4.15	4.05	2.20	
68.0									4.15	4.05		
70.0									4.10	4.05		
71.9									70.8-4.10	4.05		

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CX 1800

180 Ton Crawler

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Rated loads for fly jib (with mast and 67,100kg counterweight)

Unit: ton

Main Boom Length (m)	51											
Jib Boom Length (m)	13			19			25		31		37	
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving
15.9	25.00											
16.0	25.00	16.2-13.00										
18.0	25.00	13.00	19.0-13.00	18.4-18.00	18.7-13.00							
20.0	24.60	13.00	13.00	18.00	13.00		21.3-12.00					
22.0	23.15	13.00	13.00	17.75	13.00	22.9-10.60	12.00		23.8-6.90			
24.0	21.90	13.00	12.85	17.25	13.00	10.55	11.65		6.90			
26.0	20.80	13.00	12.45	16.80	13.00	10.20	11.30	26.8-8.40	6.75		26.3-4.00	
28.0	19.25	13.00	12.05	16.40	13.00	9.85	11.00	8.35	6.50		3.95	
30.0	17.35	13.00	11.70	15.85	13.00	9.55	10.70	8.10	6.30	30.6-5.10	3.80	
32.0	15.70	13.00	11.40	15.10	13.00	9.25	10.45	7.80	6.15	5.10	3.65	
34.0	14.30	13.00	11.10	14.45	13.00	9.00	10.20	7.60	5.95	5.00	3.55	34.5-2.70
36.0	13.05	13.00	10.80	13.50	13.00	8.75	10.00	7.35	5.80	4.90	3.40	2.70
38.0	11.95	11.95	10.55	12.35	12.35	8.50	9.75	7.15	5.65	4.80	3.30	2.70
40.0	10.95	10.95	10.30	11.35	11.35	8.30	9.55	6.95	5.50	4.75	3.20	2.60
42.0	10.05	10.05	10.10	10.45	10.45	8.10	9.35	6.75	5.35	4.65	3.10	2.55
44.0	9.30	9.30	9.65	9.65	9.65	7.90	9.20	6.60	5.25	4.55	3.00	2.50
46.0	8.55	8.55	8.90	8.95	8.95	7.75	9.00	6.40	5.10	4.50	2.90	2.45
48.0	7.90	7.90	8.25	8.25	8.25	7.55	8.75	6.25	5.00	4.40	2.80	2.40
50.0	7.30	7.30	7.60	7.65	7.65	7.40	8.15	6.10	4.90	4.35	2.75	2.35
52.0	6.80	6.80	7.05	7.10	7.10	7.30	7.55	6.00	4.80	4.30	2.65	2.30
54.0	6.30	6.30	6.50	6.60	6.60	6.95	7.05	5.85	4.70	4.25	2.60	2.25
56.0	5.85	5.85	6.00	6.15	6.15	6.45	6.55	5.75	4.60	4.20	2.55	2.20
58.0	5.35	5.35	5.50	5.70	5.70	6.00	6.10	5.65	4.55	4.15	2.50	
60.0	58.4x5.25	58.6x5.25	59.1x5.25	5.25	5.25	5.55	5.70	5.55	4.45	4.10	2.40	
62.0				4.85	4.85	5.10	5.30	5.50	4.40	4.10	2.35	
64.0				4.45	4.45	4.65	4.90	5.10	4.30	4.05	2.30	
66.0				64.2x4.40	64.4x4.40	65.1x4.40	4.50	4.70	4.25	4.05	2.25	
68.0							4.15	4.25	4.20	4.00	2.25	
70.0							3.80	3.90	4.05	4.00	2.20	
72.0							70.2-3.75	71.1-3.65	3.70	3.90		
74.0									3.40	3.55		
76.0									3.10	3.20		
77.1										3.05		

Main Boom Length (m)	54											
Jib Boom Length (m)	13			19			25		31		37	
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving
16.4	25.00	16.7-13.00										
18.0	25.00	13.00	19.6-13.00	19.0-18.00	19.2-13.00							
20.0	25.00	13.00	13.00	18.00	13.00		21.8-12.00					
22.0	23.65	13.00	13.00	17.90	13.00	23.4-10.60	12.00					
24.0	22.40	13.00	13.00	17.40	13.00	10.60	11.70		24.3-6.90			
26.0	21.25	13.00	12.60	17.00	13.00	10.30	11.40	27.3-8.40	6.80		26.8-4.00	
28.0	19.05	13.00	12.20	16.55	13.00	9.95	11.10	8.40	6.60		3.95	
30.0	17.15	13.00	11.90	16.20	13.00	9.65	10.85	8.15	6.40	31.1x5.10	3.85	
32.0	15.50	13.00	11.55	15.45	13.00	9.35	10.55	7.90	6.20	5.10	3.70	
34.0	14.05	13.00	11.25	14.55	13.00	9.10	10.30	7.65	6.00	5.05	3.55	35.0-2.70
36.0	12.80	12.80	11.00	13.30	13.00	8.85	10.10	7.45	5.85	4.95	3.45	2.70
38.0	11.70	11.70	10.70	12.15	12.15	8.60	9.85	7.20	5.70	4.85	3.35	2.70
40.0	10.75	10.75	10.50	11.15	11.15	8.40	9.65	7.05	5.55	4.75	3.25	2.65
42.0	9.85	9.85	10.25	10.25	10.25	8.20	9.45	6.85	5.45	4.65	3.15	2.55
44.0	9.05	9.05	9.50	9.45	9.45	8.00	9.30	6.65	5.30	4.60	3.05	2.50
46.0	8.35	8.35	8.70	8.70	8.70	7.85	9.10	6.50	5.20	4.50	2.95	2.45
48.0	7.70	7.70	8.05	8.05	8.05	7.70	8.55	6.35	5.05	4.45	2.85	2.40
50.0	7.10	7.10	7.40	7.45	7.45	7.55	7.95	6.20	4.95	4.40	2.80	2.35
52.0	6.55	6.55	6.85	6.90	6.90	7.30	7.35	6.10	4.85	4.30	2.70	2.30
54.0	6.05	6.05	6.30	6.35	6.35	6.80	6.85	5.95	4.75	4.25	2.65	2.25
56.0	5.50	5.50	5.80	5.90	5.90	6.25	6.35	5.85	4.70	4.20	2.60	2.20
58.0	5.05	5.05	5.25	5.45	5.45	5.80	5.90	5.75	4.60	4.15	2.50	2.20
60.0	4.60	4.60	4.80	4.95	4.95	5.35	5.50	5.65	4.50	4.15	2.45	
62.0	61.0-4.40	61.2-4.40	61.7-4.40	4.55	4.55	4.85	5.05	5.35	4.45	4.10	2.40	
64.0				4.15	4.15	4.40	4.60	4.90	4.40	4.05	2.35	
66.0				3.75	3.75	4.00	4.20	4.45	4.30	4.05	2.30	
68.0				66.8-3.60	67.0-3.60	67.7-3.65	3.85	4.05	4.15	4.05	2.25	
70.0							3.50	3.65	3.80	4.00	2.25	
72.0							3.20	3.30	3.45	3.70	2.20	
74.0							72.8-3.05	73.7-3.00	3.15	3.35		
76.0									2.85	3.00		
78.0									2.55	2.70		
79.7									78.6-2.50	2.40		



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HITACHI

CX 1800

180 Ton Crawler

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Rated loads for fly jib (with mast and 67,100kg counterweight)

Unit: ton

Main Boom Length (m)	57											
Jib Boom Length (m)	13			19			25		31		37	
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving
16.0	25.00	17.2, 13.00										
18.0	25.00	13.00		19.5, 18.00	19.8, 13.00							
20.0	25.00	13.00	20.1, 13.00	18.00	13.00							
22.0	24.15	13.00	13.00	18.00	13.00	23.9, 10.60	22.3, 12.00					
24.0	22.90	13.00	13.00	17.55	13.00	10.60	11.80		24.8, 6.90			
26.0	21.10	13.00	12.75	17.15	13.00	10.35	11.50	27.6, 8.40	6.85		27.4, 4.00	
28.0	18.85	13.00	12.35	16.70	13.00	10.05	11.20	8.40	6.65		4.00	
30.0	16.95	13.00	12.00	16.35	13.00	9.75	10.95	8.25	6.45	31.7, 5.10	3.85	
32.0	15.35	13.00	11.70	15.80	13.00	9.45	10.65	7.95	6.25	5.10	3.75	
34.0	13.90	13.00	11.40	14.40	13.00	9.20	10.45	7.75	6.10	5.05	3.60	35.5, 2.70
36.0	12.65	12.65	11.15	13.10	13.00	8.95	10.20	7.50	5.90	4.95	3.50	2.70
38.0	11.55	11.55	10.90	12.00	12.00	8.75	10.00	7.30	5.75	4.85	3.35	2.70
40.0	10.55	10.55	10.65	11.00	11.00	8.50	9.80	7.10	5.65	4.80	3.25	2.65
42.0	9.65	9.65	10.15	10.05	10.05	8.30	9.60	6.95	5.50	4.70	3.15	2.60
44.0	8.85	8.85	9.30	9.25	9.25	8.15	9.40	6.75	5.35	4.60	3.10	2.50
46.0	8.15	8.15	8.55	8.50	8.50	7.95	9.10	6.60	5.25	4.55	3.00	2.45
48.0	7.45	7.45	7.85	7.85	7.85	7.80	8.40	6.45	5.15	4.50	2.90	2.40
50.0	6.85	6.85	7.25	7.25	7.25	7.65	7.75	6.30	5.00	4.40	2.85	2.35
52.0	6.30	6.30	6.65	6.70	6.70	7.15	7.20	6.15	4.90	4.35	2.75	2.30
54.0	5.75	5.75	6.10	6.15	6.15	6.60	6.65	6.05	4.85	4.30	2.70	2.25
56.0	5.20	5.20	5.55	5.65	5.65	6.10	6.15	5.95	4.75	4.25	2.60	2.25
58.0	4.70	4.70	5.00	5.15	5.15	5.60	5.70	5.85	4.65	4.20	2.55	2.20
60.0	4.25	4.25	4.50	4.65	4.65	5.10	5.25	5.60	4.55	4.15	2.50	
62.0	3.80	3.80	4.05	4.20	4.20	4.60	4.75	5.15	4.50	4.10	2.45	
64.0	63.6, 3.50	63.8, 3.50	3.60	3.80	3.80	4.15	4.35	4.65	4.45	4.10	2.40	
66.0			64.3, 3.55	3.45	3.45	3.70	3.95	4.20	4.25	4.05	2.35	
68.0				3.05	3.05	3.30	3.55	3.80	3.85	4.05	2.30	
70.0				69.4, 2.85	69.6, 2.85	2.95	3.20	3.40	3.50	3.85	2.25	
72.0						70.3, 2.90	2.90	3.05	3.15	3.45	2.20	
74.0							2.55	2.70	2.85	3.10	2.20	
76.0							75.4, 2.35	2.35	2.55	2.75		
78.0								76.3, 2.30	2.25	2.45		
79.6									78.4, 2.20	2.20		

Main Boom Length (m)	60													
Jib Boom Length (m)	13			19			25		31		37			
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30		
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving		
17.5	25.00	17.7	13.00											
18.0	25.00		13.00											
20.0	25.00	13.00	20.6×13.00	18.00	20.3×13.00									
22.0	24.60	13.00	13.00	18.00	13.00			22.6	12.00					
24.0	23.35	13.00	13.00	17.70	13.00	24.5	10.60	11.90		25.3	6.90			
26.0	20.90	13.00	12.85	17.25	13.00	10.45	11.60			6.90		27.9	4.00	
28.0	18.65	13.00	12.50	16.85	13.00	10.15	11.30	28.3	8.40	6.70		4.00		
30.0	16.75	13.00	12.15	16.50	13.00	9.85	11.00	8.30	6.50			3.90		
32.0	15.10	13.00	11.85	15.65	13.00	9.55	10.75	8.05	6.30		32.2	5.10	3.75	
34.0	13.65	13.00	11.55	14.15	13.00	9.30	10.55	7.80	6.15		5.10		3.65	
36.0	12.40	12.40	11.30	12.90	12.90	9.05	10.30	7.60	6.00		5.00		3.50	2.70
38.0	11.30	11.30	11.00	11.75	11.75	8.85	10.10	7.40	5.85		4.90		3.40	2.70
40.0	10.30	10.30	10.80	10.75	10.75	8.65	9.90	7.20	5.70		4.80		3.30	2.65
42.0	9.40	9.40	9.95	9.85	9.85	8.45	9.70	7.00	5.55		4.75		3.20	2.60
44.0	8.60	8.60	9.10	9.05	9.05	8.25	9.50	6.85	5.45		4.65		3.10	2.55
46.0	7.90	7.90	8.35	8.30	8.30	8.05	8.85	6.70	5.30		4.55		3.05	2.50
48.0	7.25	7.25	7.65	7.60	7.60	7.90	8.20	6.55	5.20		4.50		2.95	2.45
50.0	6.65	6.65	7.00	7.00	7.00	7.55	7.55	6.40	5.10		4.45		2.85	2.40
52.0	6.00	6.00	6.45	6.45	6.45	6.95	6.95	6.25	5.00		4.40		2.80	2.35
54.0	5.45	5.45	5.85	5.90	5.90	6.40	6.45	6.15	4.90		4.30		2.70	2.30
56.0	4.90	4.90	5.25	5.35	5.35	5.90	5.95	6.00	4.80		4.25		2.65	2.25
58.0	4.40	4.40	4.75	4.80	4.80	5.35	5.45	5.85	4.70		4.20		2.60	2.20
60.0	3.90	3.90	4.25	4.35	4.35	4.85	4.95	5.40	4.65		4.20		2.55	2.20
62.0	3.50	3.50	3.75	3.90	3.90	4.35	4.50	4.90	4.55		4.15		2.50	
64.0	3.10	3.10	3.35	3.50	3.50	3.90	4.05	4.40	4.40		4.10		2.45	
66.0	2.75	2.75	2.90	3.10	3.10	3.45	3.65	3.95	3.95		4.05		2.40	
68.0	66.2×2.70	66.4×2.70	66.9×2.75	2.75	2.75	3.05	3.25	3.55	3.60		4.00		2.35	
70.0				69.6×2.50	2.60	2.70	2.90	3.15	3.20		3.60		2.30	
72.0					2.25	2.35	2.60	2.80	2.90		3.25		2.25	
74.0					72.2×2.25	72.6×2.20	2.30	2.45	2.55		2.90		2.20	
76.0							74.6×2.20	75.4×2.20	2.25		2.55		2.20	
78.0									76.4×2.20	2.20				



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Unit: ton

Main Boom Length (m)	66														
Jib Boom Length (m)	13			19			25			31		37			
Offset Angle (°)	15		30	15		30	15		30	15		30	15		30
Working Radius (m)	2 rope reewings	1 rope reewinc	1 rope reewing	2 rope reewings	1 rope reewinc	1 rope reewing	1 rope reewing	1 rope reewing	1 rope reewinc	1 rope reewinc	1 rope reewing	1 rope reewing	1 rope reewing	1 rope reewing	
18.5	25.00	18.6, 13.00													
20.0	24.35	13.00	21.6x13.00	21.0x18.00	21.3x13.00										
22.0	22.50	13.00	13.00	18.00	13.00		23.9, 12.00								
24.0	20.85	13.00	13.00	17.95	13.00	25.5, 10.60	12.00								
26.0	19.35	13.00	13.00	17.55	13.00	10.60	11.75		26.4, 6.90						
28.0	18.05	13.00	12.75	17.15	13.00	10.30	11.45	29.4, 6.40	6.75			28.9, 4.00			
30.0	16.55	13.00	12.40	16.75	13.00	10.00	11.20	8.40	6.60	33.2, 3.95					
32.0	14.90	13.00	12.10	15.40	13.00	9.75	10.95	8.15	6.40	5.10	3.80				
34.0	13.45	13.00	11.80	13.95	13.00	9.50	10.70	7.95	6.25	5.10	3.70				
36.0	12.20	12.20	11.55	12.65	12.65	9.25	10.50	7.75	6.10	5.05	3.60	37.0, 2.70			
38.0	11.05	11.05	11.30	11.50	11.50	9.05	10.30	7.55	5.95	4.95	3.45	2.70			
40.0	10.05	10.05	10.70	10.50	10.50	8.85	10.10	7.35	5.80	4.85	3.35	2.65			
42.0	9.15	9.15	9.75	9.60	9.60	8.65	9.90	7.15	5.65	4.75	3.30	2.60			
44.0	8.35	8.35	8.90	8.80	8.80	8.45	9.40	7.00	5.55	4.70	3.20	2.55			
46.0	7.65	7.65	8.15	8.05	8.05	8.25	8.65	6.85	5.45	4.60	3.10	2.50			
48.0	6.95	6.95	7.45	7.35	7.35	8.05	7.95	6.70	5.30	4.55	3.00	2.45			
50.0	6.30	6.30	6.80	6.75	6.75	7.35	7.30	6.55	5.20	4.50	2.95	2.40			
52.0	5.65	5.65	6.20	6.15	6.15	6.75	6.75	6.40	5.10	4.45	2.85	2.35			
54.0	5.05	5.05	5.55	5.55	5.55	6.20	6.20	6.30	5.00	4.35	2.80	2.30			
56.0	4.50	4.50	4.95	4.95	4.95	5.65	5.65	6.15	4.90	4.30	2.75	2.25			
58.0	4.00	4.00	4.40	4.45	4.45	5.05	5.10	5.65	4.85	4.25	2.65	2.20			
60.0	3.55	3.55	3.90	3.95	3.95	4.55	4.60	5.10	4.75	4.20	2.60	2.20			
62.0	3.10	3.10	3.45	3.50	3.50	4.05	4.15	4.60	4.45	4.20	2.55				
64.0	2.70	2.70	3.00	3.10	3.10	3.60	3.70	4.15	4.05	4.15	2.50				
66.0	65.0, 2.50	2.50	2.60	2.70	2.70	3.15	3.30	3.70	3.60	4.10	2.45				
68.0		67.7, 2.20	2.20	67.1, 2.50	2.55	2.75	2.90	3.25	3.25	3.75	2.40				
70.0					2.20	2.35	2.55	2.85	2.85	3.35	2.35				
72.0						70.8, 2.20	2.20	2.50	2.50	2.95	2.30				
74.0								73.7, 2.20	2.20	2.60	2.25				
76.0										2.25	75.0, 2.20				
76.2										2.20					



CX 1800

180 Ton Crawler

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Unit: ton

Main Boom Length (m)	72													
Jib Boom Length (m)	13			19			25		31		37			
Offset Angle (°)	15		30	15		30	15	30	15	30	15	30		
Working Radius (m)	2 rope reevings	1 rope reeving	1 rope reeving	2 rope reevings	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving	1 rope reeving		
19.5	20.3C	19.8	13.00											
20.0	19.85	13.00												
22.0	18.2C	13.0C	22.7	13.00	22.1	18.00	22.4	13.0C						
24.0	16.75	13.0C	13.00	16.85	13.0C		24.9	12.00						
26.0	15.45	13.0C	13.00	15.55	13.0C	26.5	10.60	11.90		27.4	6.90			
28.0	14.3C	13.0C	12.95	14.40	13.0C	10.45	11.60		6.85					
30.0	13.25	12.75	12.65	13.40	12.90	10.15	11.35	30.4	8.40	6.70		4.00		
32.0	12.25	11.85	12.20	12.45	12.05	9.90	11.10	6.30	6.50			3.85		
34.0	11.4C	11.05	11.35	11.55	11.25	9.65	10.90	6.05	6.35	34.3	5.10	3.75		
36.0	10.6C	10.3C	10.60	10.75	10.5C	9.45	10.65	7.85	6.20	5.05		3.65		
38.0	9.85	9.6C	9.90	10.00	9.8C	9.20	9.95	7.65	6.05	5.00	3.55	38.1	2.75	
40.0	9.15	8.95	9.25	9.35	9.15	9.00	9.30	7.45	5.90	4.90	3.45		2.70	
42.0	8.50	8.35	8.60	8.70	8.55	8.80	8.70	7.30	5.80	4.80	3.35		2.65	
44.0	7.90	7.75	8.05	8.10	8.0C	8.40	8.15	7.15	5.65	4.75	3.25		2.55	
46.0	7.3C	7.25	7.50	7.55	7.45	7.85	7.65	7.00	5.55	4.65	3.15		2.5C	
48.0	6.6C	6.6C	7.00	7.00	7.0C	7.35	7.15	6.85	5.40	4.60	3.10		2.45	
50.0	5.90	5.90	6.50	6.40	6.40	6.85	6.70	6.70	5.30	4.55	3.00		2.40	
52.0	5.2C	5.2C	5.85	5.70	5.70	6.40	6.25	6.55	5.20	4.50	2.95		2.4C	
54.0	4.6C	4.6C	5.20	5.10	5.1C	5.90	5.85	6.25	5.10	4.40	2.85		2.35	
56.0	4.05	4.05	4.60	4.55	4.55	5.30	5.25	5.85	5.00	4.35	2.8C		2.3C	
58.0	3.55	3.55	4.05	4.0C	4.0C	4.70	4.70	5.30	4.95	4.30	2.75		2.25	
60.0	3.05	3.05	3.55	3.50	3.50	4.20	4.20	4.75	4.55	4.25	2.65		2.20	
62.0	2.65	2.65	3.05	3.05	3.05	3.70	3.70	4.25	4.10	4.20	2.60		2.2C	
64.0	62.6	2.5C	2.45	2.60	2.65	2.65	3.20	3.30	3.80	3.65	4.20		2.55	
66.0		65.2	2.2C	2.20	64.7	2.5C	2.5C	2.85	3.35	3.20	3.85		2.50	
68.0					67.5	2.2C	2.40	2.50	2.90	2.80	3.40		2.45	
70.0						69.0	2.2C	69.5	2.2C	2.50	2.45		3.00	2.40
72.0								71.7	2.2C	71.4	2.2C		2.60	2.35
74.0											2.25		73.0	2.2C
74.2											2.20			