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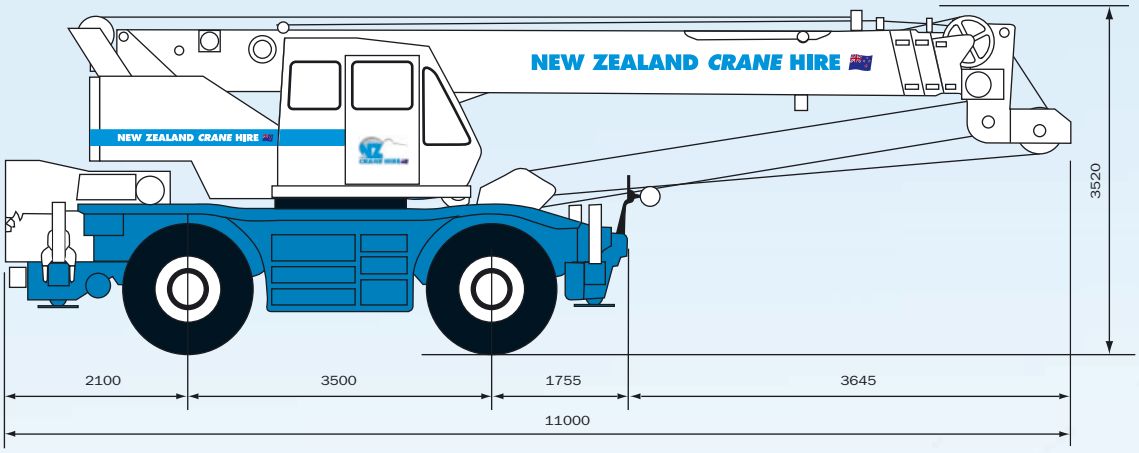
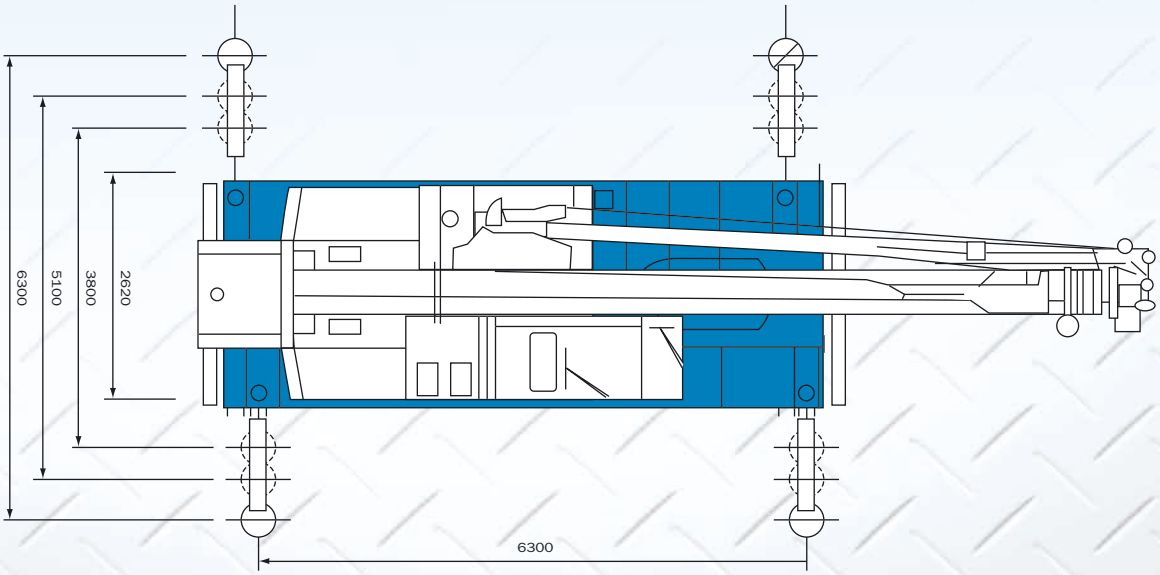
NZ CRANE HIRE

25 TON

KATO KR-25H-V





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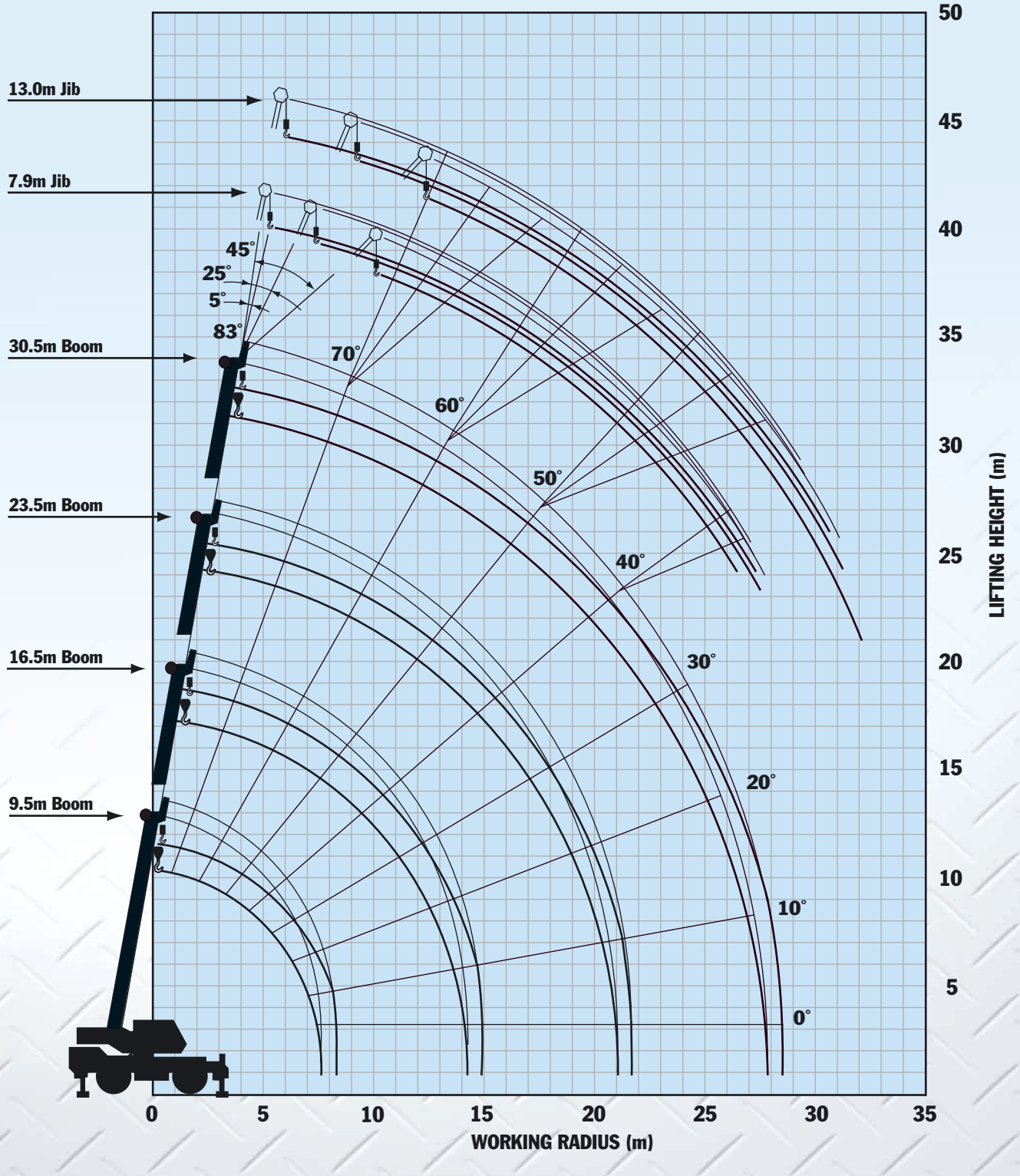
WORKING RADIUS – LIFTING HEIGHT



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Total rated loads for main boom

Operating radius (m)	Outriggers fully extended (6.3m) 360° full range				Outriggers intermediately extended (5.1m) over side			
	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom
2.5	25.00	18.00			25.00	18.00		
3.0	25.00	18.00	12.50		25.00	18.00	12.50	
3.5	25.00	18.00	12.50		25.00	18.00	12.50	
4.0	23.00	18.00	12.50	7.00	23.00	18.00	12.50	7.00
4.5	21.20	18.00	12.50	7.00	21.20	18.00	12.50	7.00
5.0	19.40	16.70	12.50	7.00	18.40	16.70	12.50	7.00
5.5	17.80	15.50	11.75	7.00	15.40	15.00	11.75	7.00
6.0	16.30	14.40	11.10	7.00	13.00	12.60	11.10	7.00
6.5	15.10	13.45	10.40	7.00	11.20	10.80	10.40	7.00
7.0		12.65	9.80	7.00		9.40	9.80	7.00
7.5		11.90	9.25	7.00		8.25	8.90	7.00
8.0		10.55	8.75	6.75		7.30	8.00	6.75
9.0		8.40	7.85	6.15		5.80	6.50	6.15
10.0		6.90	7.10	5.60		4.70	5.40	5.60
11.0		5.70	6.40	5.15		3.90	4.55	4.80
12.0		4.80	5.45	4.70		3.25	3.85	4.15
13.0		4.10	4.70	4.35		2.70	3.25	3.55
13.5		3.80	4.40	4.20		2.50	3.05	3.30
14.0			4.10	4.05			2.85	3.10
15.0			3.60	3.80			2.45	2.70
15.5			3.40	3.65			2.25	2.50
16.0			3.15	3.45			2.10	2.35
17.0			2.80	3.05			1.80	2.10
18.0			2.45	2.70			1.50	1.80
19.0			2.15	2.45			1.25	1.60
20.0			1.90	2.20			1.05	1.40
20.5			1.80	2.05				1.30
21.0				1.95				1.20
22.0				1.75				1.00
24.0				1.40				0.70
26.0				1.15				0.45
27.5				0.95				
Critical boom angle	-	-	-	-	-	-	-	-
Standard hook	for 25 ton (hook weight 230kg)				for 25 ton (hook weight 230kg)			
Parts of line	8	6	4	4	8	6	4	4

(Unit: Metric ton)

Operating radius (m)	Outriggers intermediately extended (3.8m) over side				Outriggers fully retracted (2.21m) over side			
	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom
2.5	25.00	18.00			12.00	11.60		
3.0	25.00	18.00	12.50		12.00	11.60	9.70	
3.5	20.00	18.00	12.50		9.35	8.95	9.70	
4.0	15.70	15.60	12.50	7.00	7.55	7.15	7.80	5.50
4.5	12.60	12.60	12.50	7.00	6.20	5.80	6.45	5.50
5.0	10.60	10.40	10.70	7.00	5.15	4.80	5.40	5.50
5.5	9.05	8.80	9.30	7.00	4.35	4.00	4.60	4.75
6.0	7.70	7.60	8.20	7.00	3.70	3.40	3.95	4.15
6.5	6.60	6.50	7.25	7.00	3.15	2.85	3.40	3.65
7.0		5.60	6.40	6.55		2.40	2.95	3.20
7.5		4.90	5.70	5.90		2.05	2.55	2.80
8.0		4.40	5.05	5.30		1.70	2.25	2.50
9.0		3.50	4.05	4.35		1.10	1.75	1.95
10.0		2.80	3.30	3.65		0.65	1.35	1.55
11.0		2.15	2.75	3.05			0.95	1.20
12.0		1.65	2.30	2.60				0.90
13.0		1.30	1.90	2.20				
13.5		1.10	1.75	2.00				
14.0			1.55	1.85				
15.0			1.30	1.55				
15.5			1.15	1.45				
16.0			1.00	1.30				
17.0			0.75	1.10				
18.0			0.55	0.90				
19.0			0.40	0.70				
20.0				0.55				
Critical boom angle	-	-	20°	40°	-	40°	53°	60°
Standard hook	for 25 ton (hook weight 230kg)				for 25 ton (hook weight 230kg)			
Parts of line	8	6	4	4	8	6	4	4

(Unit: Metric ton)

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Total rated loads for fly jib

30.5m Boom +7.9m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers fully extended (6.3m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	4.5	3.00	7.0	2.10	9.0	1.60
72.5	11.8	3.00	13.9	2.10	15.9	1.60
71.5	12.6	3.00	14.6	2.10	16.4	1.55
70.0	13.4	2.80	15.5	2.00	17.1	1.50
65.0	16.5	2.30	18.4	1.70	19.6	1.35
60.0	19.4	1.90	21.1	1.50	22.0	1.20
57.0	21.0	1.75	22.6	1.40	23.3	1.15
54.0	22.5	1.40	24.0	1.30	24.6	1.10
51.5	23.7	1.15	25.2	1.05	25.7	1.05
50.0	24.4	1.05	25.9	0.95	26.3	0.95
45.0	26.6	0.70	27.8	0.65	28.1	0.65
40.0	28.6	0.40	29.6	0.40		
Critical Boom Angle	37°		37°		42°	

(Unit: Metric ton)

30.5m Boom +7.9m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers intermediately extended (5.1m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	4.5	3.00	7.0	2.10	9.0	1.60
72.5	11.8	3.00	13.9	2.10	15.9	1.60
71.5	12.6	3.00	14.6	2.10	16.4	1.55
70.0	13.4	2.80	15.5	2.00	17.1	1.50
67.0	15.3	2.45	17.3	1.80	18.6	1.40
64.0	17.0	1.95	19.0	1.65	20.1	1.30
61.5	18.3	1.60	20.2	1.35	21.4	1.25
60.0	19.1	1.40	20.9	1.20	22.0	1.10
55.0	21.7	0.85	23.3	0.75	24.1	0.70
50.0	24.1	0.45	25.5	0.40	26.0	0.40
Critical Boom Angle	48°		48°		48°	

(Unit: Metric ton)

30.5m Boom +7.9m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers intermediately extended (3.8m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	4.5	3.00	7.0	2.10	9.0	1.60
74.0	10.8	3.00	12.9	2.10	14.9	1.60
72.5	11.7	2.60	13.9	2.10	15.9	1.60
71.5	12.3	2.35	14.5	1.90	16.4	1.55
70.0	13.2	2.00	15.3	1.65	17.0	1.40
65.0	15.9	1.20	18.0	0.95	19.2	0.90
60.0	18.7	0.55	20.5	0.45	21.7	0.40
Critical Boom Angle	58°		58°		58°	

(Unit: Metric ton)

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Total rated loads for fly jib

30.5m Boom +13.0m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers fully extended (6.3m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	5.8	2.00	10.3	1.25	13.3	0.80
77.5	10.4	2.00	14.4	1.25	17.1	0.80
76.0	11.6	2.00	15.5	1.20	18.0	0.80
69.0	16.8	1.55	20.2	1.00	22.3	0.80
65.0	19.5	1.35	22.7	0.95	24.5	0.77
60.0	22.8	1.05	25.7	0.90	27.0	0.73
55.0	25.8	0.95	28.5	0.85	29.4	0.67
52.0	27.6	0.85	30.0	0.80	30.7	0.64
50.0	28.6	0.75	31.0	0.65	31.5	0.62
47.5	29.8	0.60	32.0	0.55	32.4	0.60
45.0	31.0	0.50	33.0	0.45	33.2	0.45
Critical Boom Angle	42°		42°		42°	

(Unit: Metric ton)

30.5m Boom +13.0m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers intermediately extended (5.1m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	5.8	2.00	10.3	1.25	13.3	0.80
77.5	10.4	2.00	14.4	1.25	17.1	0.80
76.0	11.6	2.00	15.5	1.20	18.0	0.80
69.0	16.8	1.55	20.2	1.00	22.3	0.80
65.0	19.5	1.35	22.7	0.95	24.5	0.77
61.5	21.8	1.15	24.9	0.90	26.3	0.75
58.5	23.5	0.90	26.4	0.75	27.7	0.70
55.0	25.4	0.60	28.2	0.50	29.2	0.50
53.0	26.5	0.45	29.1	0.40	30.1	0.40
Critical Boom Angle	51°		51°		51°	

(Unit: Metric ton)

30.5m Boom +13.0m Jib Standard Hook: for 3.0 ton (Hook Weight 60kg), Parts of Line: 1						
Outriggers intermediately extended (3.8m)						
	5° Offset		25° Offset		45° Offset	
Boom angle (°)	Radius (m)	Load (ton)	Radius (m)	Load (ton)	Radius (m)	Load (ton)
83.0	5.8	2.00	10.3	1.25	13.3	0.80
77.5	10.4	2.00	14.4	1.25	17.1	0.80
76.0	11.6	2.00	15.5	1.20	18.0	0.80
71.0	15.4	1.65	18.9	1.05	21.0	0.80
69.0	16.6	1.40	20.2	1.00	22.3	0.80
67.5	17.6	1.15	21.0	0.85	23.1	0.78
65.0	19.2	0.80	22.5	0.60	24.4	0.55
62.0	21.0	0.50	24.1	0.40		
Critical Boom Angle	60°		60°		63°	

(Unit: Metric ton)

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Total rated loads on rubber

Operating radius (m)	Stationary on Rubber (Without Outriggers)						Pick & Carry (Less than 2km/hr) (Without Outriggers)					
	9.5m Boom		16.5m Boom		23.5m Boom		9.5m Boom		16.5m Boom		23.5m Boom	
	Over Front	360° Full range	Over Front	360° Full range	Over Front	360° Full range	Over Front	360° Full range	Over Front	360° Full range	Over Front	360° Full range
3.0	14.00	9.00	9.00	7.30			10.50	7.00	7.50	5.10		
3.5	14.00	7.60	9.00	7.30	6.50	4.50	10.50	6.20	7.50	5.10	5.50	3.20
4.0	12.50	6.30	9.00	5.85	6.50	4.50	9.50	5.30	7.50	4.90	5.50	3.20
4.5	10.90	5.20	9.00	4.75	6.50	4.50	8.70	4.40	7.50	3.95	5.50	3.20
5.0	9.55	4.30	8.20	4.00	6.50	4.30	7.70	3.60	7.00	3.30	5.50	3.20
5.5	8.30	3.60	7.40	3.30	6.05	3.70	6.80	3.00	6.20	2.70	5.15	3.10
6.0	7.20	3.00	6.60	2.80	5.65	3.20	5.90	2.50	5.50	2.30	4.80	2.70
6.5	6.25	2.50	5.90	2.35	5.25	2.75	5.10	2.10	4.90	1.90	4.45	2.30
7.0			5.25	1.95	4.85	2.40			4.35	1.60	4.15	2.00
8.0			4.10	1.35	4.10	1.80			3.40	1.00	3.50	1.50
9.0			3.25	0.85	3.50	1.40			2.70	0.60	2.95	1.10
10.0			2.60	0.45	3.00	1.05			2.10		2.45	0.75
11.0			2.10		2.55	0.75			1.65		2.05	0.55
12.0			1.70		2.20				1.30		1.70	
13.0			1.35		1.85				1.00		1.40	
14.0					1.50						1.15	
15.0					1.25						0.95	
16.0					1.00						0.75	
17.0					0.80						0.60	
18.0					0.60							
Critical boom angle	-	-	-	40°	-	53°	-	-	-	45°	30°	54°
Standard hook	for 25 ton (hook weight 230kg)						for 25 ton (hook weight 230kg)					
Parts of line	8	8	6	6	4	4	8	8	6	6	4	4

(Unit: Metric ton)

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