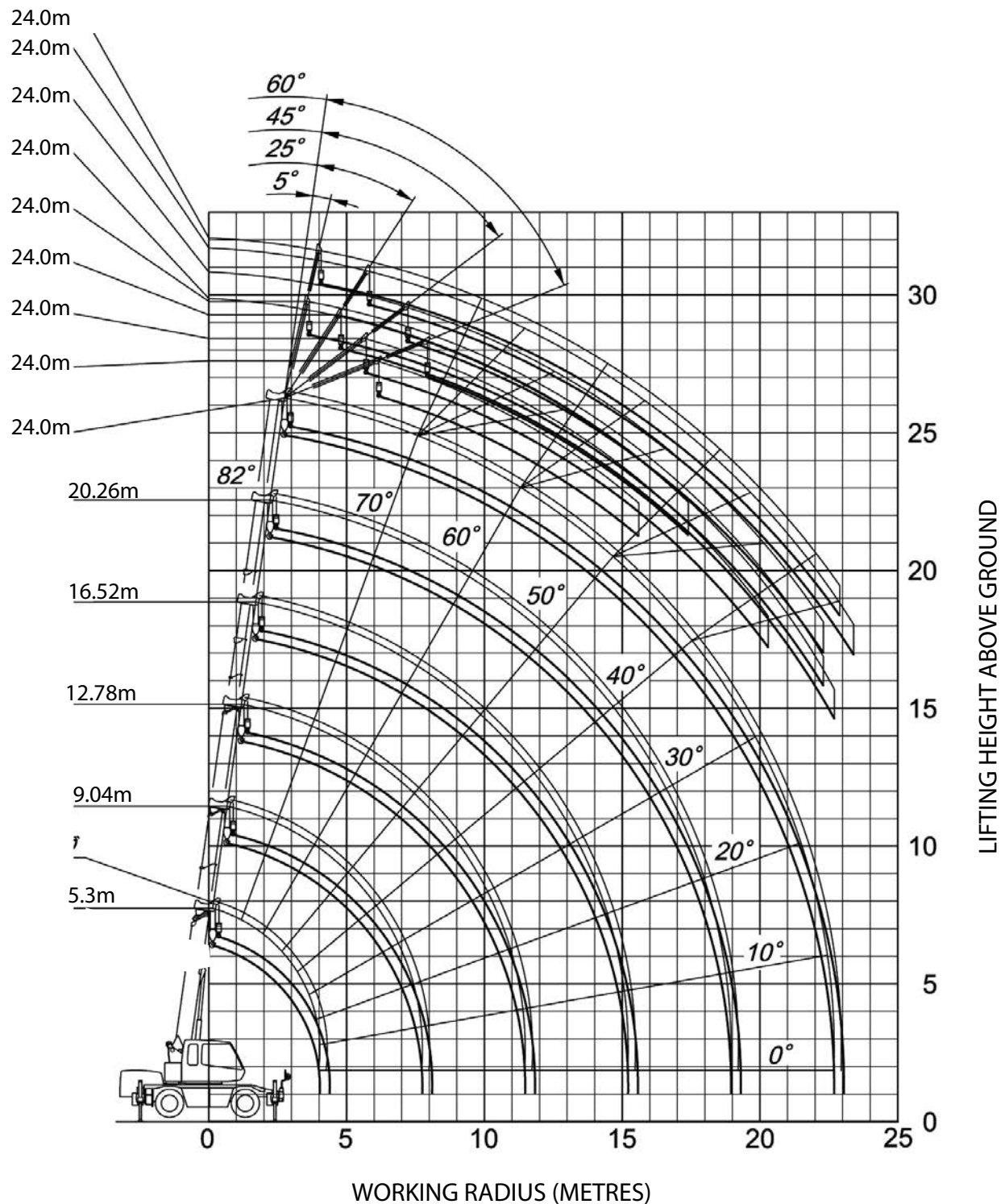


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13 TONNE


Kato MR-130R City Class All Terrain


WORKING RANGE





RATED LIFTING CAPACITY


	 (4.75m)					
Working radius (m)	Outriggers fully extended (360° full range)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	13.00	6.00	6.00			
1.7	13.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.50	5.40	5.00	4.50	3.20
5.0		5.00	4.90	4.60	4.05	3.20
5.5		4.50	4.40	4.20	3.70	3.20
6.0		4.10	4.00	3.80	3.40	3.00
6.5		3.70	3.65	3.50	3.15	2.80
7.0		3.35	3.30	3.20	2.90	2.60
8.0		2.70 (7.7m)	2.90	2.70	2.50	2.25
9.0			2.25	2.30	2.20	1.95
10.0			1.80	2.05	1.95	1.75
11.0			1.45	1.70	1.75	1.55
12.0			1.35 (11.4m)	1.40	1.50	1.40
13.0				1.15	1.30	1.25
14.0				0.95	1.10	1.15
15.0				0.80	0.90	1.00
16.0					0.79	0.85
17.0					0.68	0.74
18.0					0.58	0.64
19.0					0.51 (18.8m)	0.55
20.0						0.47
21.0						0.41
22.0						0.35
22.5						0.32
Critical boom angle	—	—	—	—	—	—
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4


	 (4.3m)					
Working radius (m)	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	13.00	6.00	6.00			
1.7	13.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.50	5.40	5.00	4.50	3.20
5.0		5.00	4.90	4.60	4.05	3.20
5.5		4.50	4.40	4.20	3.70	3.20
6.0		4.10	4.00	3.80	3.40	3.00
6.5		3.65	3.60	3.50	3.15	2.80
7.0		3.20	3.15	3.20	2.90	2.60
8.0		2.65 (7.7m)	2.45	2.60	2.50	2.25
9.0			1.90	2.10	2.20	1.95
10.0			1.50	1.70	1.85	1.75
11.0			1.20	1.40	1.55	1.55
12.0			1.10 (11.4m)	1.15	1.30	1.35
13.0				0.95	1.10	1.15
14.0				0.80	0.90	1.00
15.0				0.65	0.75	0.85
16.0					0.65	0.70
17.0					0.55	0.60
18.0					0.45	0.50
19.0					0.35 (18.8m)	0.40
20.0						0.35
21.0						0.30
22.0						0.25
22.5						
Critical boom angle	—	—	—	—	—	—
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4

13 TONNE

Kato MR-130R City Class All Terrain

RATED LIFTING CAPACITY


	 (3.7m)					
Working radius (m)	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	12.00	6.00	6.00			
1.7	12.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.10	5.10	5.00	4.50	3.20
5.0		4.40	4.40	4.50	4.05	3.20
5.5		3.80	3.70	3.90	3.70	3.20
6.0		3.20	3.20	3.40	3.40	3.00
6.5		2.80	2.75	2.95	3.05	2.75
7.0		2.40	2.35	2.55	2.70	2.50
8.0		1.95 (7.7m)	1.80	2.00	2.10	2.15
9.0			1.40	1.60	1.70	1.75
10.0			1.05	1.25	1.35	1.45
11.0			0.80	1.00	1.10	1.20
12.0			0.70 (11.4m)	0.80	0.90	1.00
13.0				0.65	0.75	0.85
14.0				0.50	0.60	0.70
15.0				0.40	0.50	0.55
16.0					0.40	0.45
17.0					0.30	0.35
18.0						0.30
19.0						
20.0						
21.0						
22.0						
22.5						
Critical boom angle	—	—	—	—	23°	36°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4


	 (2.7m)					
Working radius (m)	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	12.00	6.00	6.00			
1.7	12.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	8.50	6.00	6.00	5.00		
3.0	6.00	6.00	6.00	5.00	4.70	
3.5	4.70	4.70	4.60	4.50	4.40	3.20
4.0	3.70	3.70	3.70	3.70	3.70	3.20
4.5		3.00	3.00	3.10	3.10	3.00
5.0		2.40	2.40	2.60	2.70	2.70
5.5		2.00	2.00	2.20	2.30	2.30
6.0		1.70	1.70	1.85	2.00	2.05
6.5		1.40	1.40	1.60	1.70	1.75
7.0		1.20	1.20	1.40	1.50	1.55
8.0		0.90 (7.7m)	0.85	1.05	1.15	1.20
9.0			0.60	0.80	0.90	0.95
10.0			0.35	0.55	0.65	0.75
11.0				0.40	0.50	0.60
12.0				0.25	0.35	0.45
13.0					0.20	0.30
14.0						0.20
15.0						
16.0						
17.0						
18.0						
19.0						
20.0						
21.0						
22.0						
22.5						
Critical boom angle	—	—	19°	32°	44°	50°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4




RATED LIFTING CAPACITY

5.3m — 24.0m Boom

	 (1.64m)					
Working radius (m)	Outriggers completely retracted (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	8.00	6.00	6.00			
1.7	7.00	6.00	6.00			
2.0	5.60	5.40	5.00	4.70		
2.5	3.80	3.80	3.60	3.50		
3.0	2.80	2.80	2.70	2.70	2.60	
3.5	2.10	2.10	2.00	2.10	2.10	2.10
4.0	1.60	1.60	1.55	1.70	1.70	1.75
4.5		1.25	1.20	1.40	1.40	1.45
5.0		0.95	0.95	1.10	1.20	1.25
5.5		0.75	0.75	0.90	1.00	1.05
6.0		0.60	0.55	0.75	0.80	0.90
6.5		0.40	0.35	0.60	0.65	0.75
7.0		0.25		0.45	0.55	0.60
Critical boom angle	—	20°	54°	61°	66°	70°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4



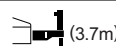
						
Working radius (m)	Stationary on rubber					
	5.3m Boom		9.04m Boom		12.78m Boom	
	Over front	360° full range	Over front	360° full range	Over front	360° full range
1.5	3.60	2.80	3.60	2.80	3.60	2.80
2.0	3.40	2.80	3.40	2.80	3.40	2.80
2.5	3.10	2.15	3.10	2.10	3.10	2.05
3.0	2.65	1.60	2.60	1.55	2.55	1.50
3.5	2.30	1.25	2.20	1.20	2.10	1.10
4.0	2.00	0.90	1.90	0.80	1.70	0.70
4.5			1.60	0.50	1.40	0.40
5.0			1.30		1.10	
5.5			1.10		0.95	
6.0			0.90		0.80	
7.0			0.50		0.50	
Critical boom angle	—	—	26°	54°	52°	66°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	4					


						
Working radius (m)	Pick & carry (less than 2 km/h)					
	5.3m Boom		9.04m Boom		12.78m Boom	
	Over front	360° full range	Over front	360° full range	Over front	360° full range
1.5	3.20	2.00	3.20	2.00	3.20	2.00
2.0	3.00	2.00	3.00	2.00	3.00	2.00
2.5	2.80	1.55	2.75	1.50	2.65	1.45
3.0	2.40	1.10	2.30	1.05	2.20	1.00
3.5	2.00	0.85	1.90	0.75	1.80	0.65
4.0	1.70	0.60	1.65	0.50	1.50	0.40
4.5			1.40	0.30	1.25	
5.0			1.15		1.00	
5.5			0.95		0.85	
6.0			0.80		0.70	
7.0			0.45		0.45	
Critical boom angle	—	—	26°	54°	52°	68°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	4					



13 TONNE

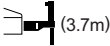

Kato MR-130R City Class All Terrain

RATED LIFTING CAPACITY

24.0m Boom+3.6m Jib																													
 (4.75m)									 (4.3m)									 (3.7m)											
Outriggers fully extended (360° full range)									Outriggers intermediately extended (over side)									Outriggers intermediately extended (over side)											
Boom angle (°)	Offset 5°	Offset 25°	Offset 45°	Offset 60°					Boom angle (°)	Offset 5°	Offset 25°	Offset 45°	Offset 60°					Boom angle (°)	Offset 5°	Offset 25°	Offset 45°	Offset 60°							
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)			
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65			
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65			
75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65			
70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65			
65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.2	0.90	13.1	0.77	13.6	0.77	13.8	0.65			
60	14.3	0.90	15.1	0.76	15.6	0.70	15.6	0.65	60	14.3	0.87	15.1	0.76	15.6	0.70	15.6	0.65	60	14.2	0.59	15.0	0.54	15.5	0.54	15.5	0.54			
55	16.3	0.72	17.0	0.64	17.4	0.64			55	16.2	0.60	16.9	0.55	17.3	0.53			55	16.0	0.37	16.8	0.33	17.2	0.33					
50	18.1	0.57	18.7	0.51	18.9	0.53			50	18.0	0.43	18.6	0.41	18.8	0.40			50	17.8	0.20	18.5	0.18	18.7	0.18					
45	19.7	0.42	20.4	0.40	20.3	0.40			45	19.6	0.30	20.2	0.27	20.3	0.27			Critical boom angle	49°		49°		49°		59°				
40	21.1	0.30	21.6	0.29					40	21.0	0.19	21.5	0.18					Standard hook	for 1.8 ton										
35	22.3	0.22	22.7	0.20					Critical boom angle	39°		39°		44°		59°		Hook mass	25kg										
Critical boom angle	34°		34°		44°		59°		Standard hook	for 1.8 ton									Parts of line	1									
Standard hook	for 1.8 ton								Hook mass	25kg									Parts of line	1									
Hook mass	25kg								Parts of line	1																			
Parts of line	1																												

24.0m Boom+3.6m Jib									
									
Outriggers intermediately extended (over side)									
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	
75	7.8	1.20	8.7	1.05	9.5	0.93	9.6	0.65	
70	10.0	0.72	10.9	0.65	11.5	0.62	11.7	0.56	
65	11.9	0.41	12.9	0.35	13.4	0.34	13.6	0.33	
Critical boom angle	64°		64°		64°		64°		
Standard hook	for 1.8 ton								
Hook mass	25kg								
Parts of line	1								

24.0m Boom+5.5m Jib																	
																	
Outriggers fully extended (360° full range)								Outriggers intermediately extended (over side)									
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40
65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40	65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40
60	15.6	0.69	16.8	0.55	17.5	0.48	17.4	0.40	60	15.5	0.69	16.8	0.55	17.5	0.48	17.4	0.40
55	17.7	0.58	18.8	0.49	19.3	0.45			55	17.6	0.54	18.7	0.49	19.2	0.45		
50	19.6	0.49	20.5	0.44	20.8	0.41			50	19.5	0.38	20.4	0.36	20.7	0.35		
45	21.2	0.38	22.0	0.36	22.3	0.36			45	21.0	0.27	21.8	0.25	22.1	0.25		
40	22.9	0.26	23.4	0.26					Critical boom angle	44°		44°		44°		59°	
Critical boom angle	39°		39°		44°		59°		Standard hook	for 1.8 ton							
Standard hook	for 1.8 ton								Hook mass	25kg							
Hook mass	25kg								Parts of line	1							
Parts of line	1																

24.0m Boom+5.5m Jib															
 (3.7m)									 (2.7m)						
Outriggers intermediately extended (over side)									Outriggers intermediately extended (over side)						
Boom angle (°)	Offset 5° Working radius (m)	Offset 25° Load (ton)	Offset 25° Working radius (m)	Offset 25° Load (ton)	Offset 45° Working radius (m)	Offset 45° Load (ton)	Offset 60° Working radius (m)	Offset 60° Load (ton)	Boom angle (°)	Offset 5° Working radius (m)	Offset 25° Load (ton)	Offset 25° Working radius (m)	Offset 25° Load (ton)	Offset 45° Working radius (m)	Offset 45° Load (ton)
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	10.8	0.66	12.3	0.55	13.3	0.48
65	13.4	0.75	14.7	0.61	15.6	0.52	15.6	0.40	65	12.9	0.36	14.4	0.30	15.3	0.26
60	15.4	0.52	16.7	0.45	17.5	0.42	17.4	0.40	Critical boom angle		64°	64°	64°	64°	69°
55	17.4	0.31	18.6	0.28	19.1	0.28			Standard hook		for 1.8 ton				
52	18.5	0.22	19.5	0.21	20.0	0.20			Hook mass		25kg				
Critical boom angle		51°		51°		59°		Parts of line		1					
Standard hook		for 1.8 ton													
Hook mass		25kg													
Parts of line		1													