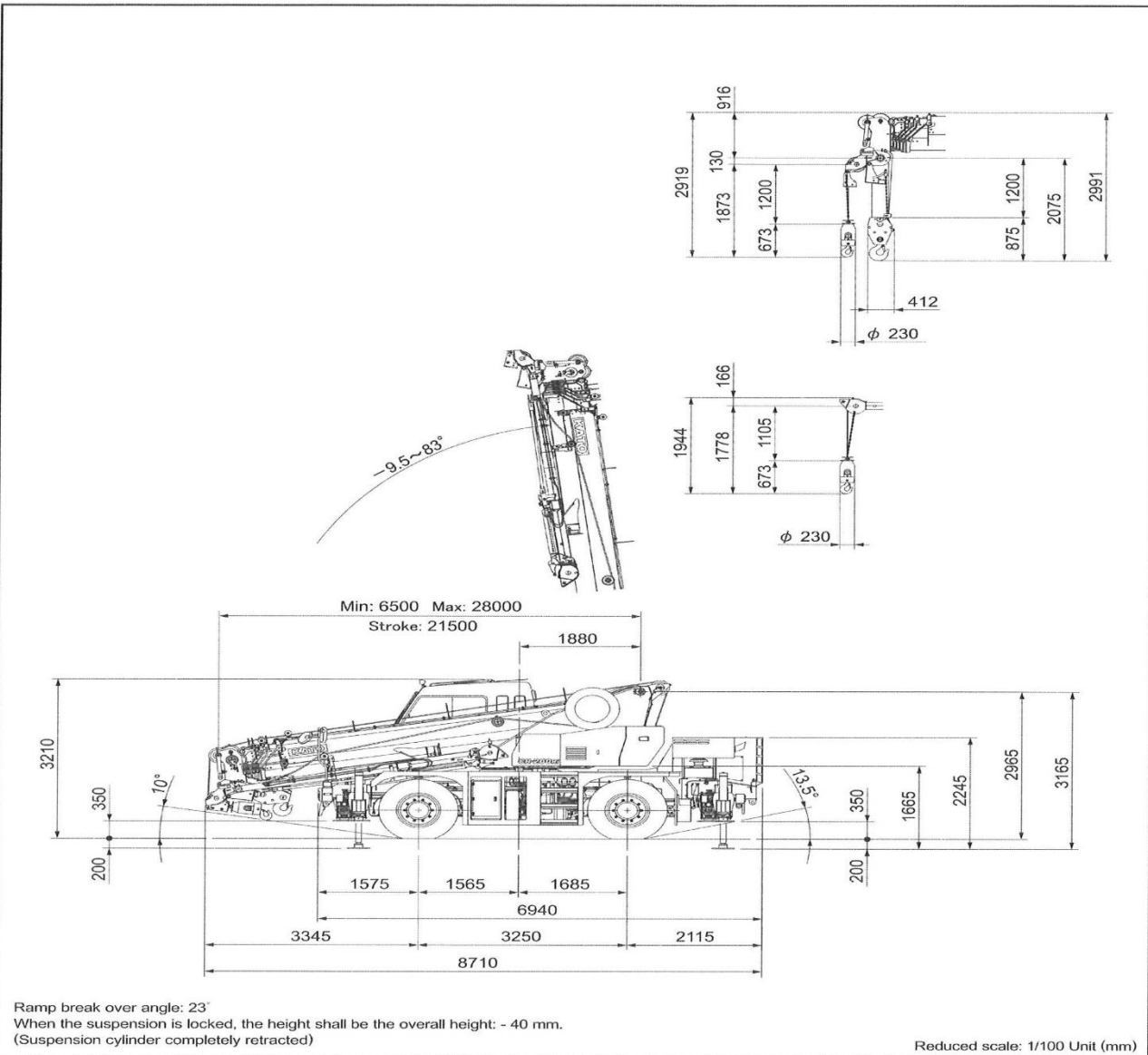


MARSH PLANT HIRE LTD

KATO CR200Ri



Overall view



* KATO products and specifications are subject to improvements and changes without notice.

Address inquiries to:

KATO KATO WORKS CO.,LTD.

9-37, Higashi-ohi 1-chome, Shinagawa-ku, Tokyo, 140-0011, Japan
 Tel. : Head Office Tokyo (03) 3458-1111
 : Overseas Marketing Department. Tokyo (03) 3458-1115
 Fax. : Tokyo (03) 3458-1152
 URL <http://www.kato-works.co.jp>

C03871
I.2015-1000 (T1) I








We acquired the "ISO 9001" certification which is an international standard for quality assurance.

RATED LIFTING CAPACITY



Based on ISO 4305
Not exceed 75% of static tipping loads

6.5m — 28.0m Boom

Working radius (m)	 (5.4m)						 (4.8m)						 (4.3m)						 (3.2m)						 (1.93m)						
	Outriggers fully extended (5.4m) - 360° full range						Outriggers intermediately extended (4.8m) - over side						Outriggers intermediately extended (4.3m) - over side						Outriggers intermediately extended (3.2m) - over side						Outriggers completely retracted (1.93m) - over side (H-type outrigger only)						
	6.5m Boom	10.95m Boom	15.4m Boom	19.6m Boom	23.8m Boom	28.0m Boom	6.5m Boom	10.95m Boom	15.4m Boom	19.6m Boom	23.8m Boom	28.0m Boom	6.5m Boom	10.95m Boom	15.4m Boom	19.6m Boom	23.8m Boom	28.0m Boom	6.5m Boom	10.95m Boom	15.4m Boom	19.6m Boom	23.8m Boom	28.0m Boom	6.5m Boom	10.95m Boom	15.4m Boom	19.6m Boom	23.8m Boom	28.0m Boom	
2.5	20.00*	12.50	10.00	7.50		20.00*	12.50	10.00	7.50			20.00*	12.50	10.00	7.50			17.70	12.50	10.00	7.50			8.15	7.95	7.90	7.50				
3.0	18.50*	12.50	10.00	7.50		18.00*	12.50	10.00	7.50			17.45	12.50	10.00	7.50			15.20	12.50	10.00	7.50			5.80	5.65	5.60	6.00				
3.5	16.20	12.50	10.00	7.50	6.00	5.00	16.00	12.50	10.00	7.50	6.00	5.00	15.00	12.50	10.00	7.50	6.00	5.00	10.40	10.20	10.00	7.50	6.00	5.00	4.35	4.20	4.15	4.55	4.75	4.95	
4.0	14.00	12.50	10.00	7.50	6.00	5.00	14.00	12.50	10.00	7.50	6.00	5.00	13.00	12.50	10.00	7.50	6.00	5.00	7.95	7.75	7.70	7.50	6.00	5.00	3.40	3.25	3.20	3.55	3.75	3.90	
4.5	12.00	12.00	10.00	7.50	6.00	5.00	12.00	12.00	10.00	7.50	6.00	5.00	11.15	12.00	10.00	7.50	6.00	5.00	6.30	6.15	6.10	6.50	6.00	5.00	2.70	2.55	2.50	2.85	3.05	3.20	
5.0		11.05	10.00	7.50	6.00	5.00		10.90	10.00	7.50	6.00	5.00		8.75	8.70	7.50	6.00	5.00		5.00	4.95	5.30	5.55	5.00		2.00	2.00	2.30	2.50	2.65	
5.5		10.20	9.30	7.50	6.00	5.00		8.85	8.80	7.50	6.00	5.00		7.20	7.15	7.50	6.00	5.00		4.10	4.05	4.45	4.65	4.85		1.60	1.55	1.85	2.05	2.20	
6.0		9.30	8.55	7.50	6.00	5.00		7.40	7.35	7.50	6.00	5.00		6.05	6.00	6.40	6.00	5.00		3.45	3.40	3.75	3.95	4.15		1.25	1.20	1.55	1.70	1.85	
6.5		7.85	7.80	7.10	5.75	5.00		6.30	6.25	6.65	5.75	5.00		5.15	5.10	5.45	5.70	5.00		2.95	2.90	3.20	3.40	3.55		0.95	0.90	1.25	1.45	1.55	
7.0		6.75	6.70	6.55	5.40	4.65		5.40	5.35	5.75	5.40	4.65		4.45	4.35	4.75	4.95	4.65		2.50	2.45	2.75	2.95	3.10		0.70		1.00	1.20	1.30	
8.0		5.15	5.10	5.45	4.75	4.05		4.15	4.05	4.45	4.65	4.05		3.35	3.30	3.65	3.85	4.00		1.80	1.75	2.10	2.30	2.40							
9.0		4.05	4.00	4.35	4.25	3.60		3.25	3.15	3.50	3.75	3.60		2.60	2.50	2.90	3.10	3.25		1.30	1.20	1.55	1.75	1.90							
10.0			3.20	3.55	3.75	3.20			2.45	2.85	3.05	3.20			1.90	2.30	2.50	2.65			0.80	1.15	1.35	1.50							
11.0			2.55	2.90	3.10	2.90			1.95	2.30	2.50	2.65			1.45	1.80	2.00	2.15			0.50	0.80	1.00	1.15							
12.0			2.05	2.40	2.60	2.65			1.50	1.85	2.05	2.20			1.10	1.45	1.65	1.80				0.55	0.75	0.90							
13.0			1.65	2.00	2.20	2.35			1.15	1.50	1.70	1.85			0.80	1.10	1.30	1.45				0.35	0.55	0.70							
14.0			1.45(1.5m)	1.65	1.85	2.00			1.00(1.5m)	1.20	1.40	1.55			0.65(1.5m)	0.85	1.05	1.20				0.35	0.50	0.50							
15.0				1.35	1.55	1.70				0.95	1.15	1.30				0.65	0.85	1.00						0.35							
16.0				1.10	1.30	1.45				0.75	0.95	1.10				0.45	0.65	0.80													
17.0				0.90	1.10	1.25				0.60	0.75	0.90				0.30	0.50	0.65													
18.0				0.80(1.5m)	0.90	1.05				0.50(1.5m)	0.60	0.75					0.35	0.50													
19.0					0.75	0.90					0.45	0.60						0.35													
20.0					0.60	0.75					0.35	0.50																			
21.0					0.50	0.60						0.35																			
22.0					0.45(2.5m)	0.50																									
23.0						0.40																									
24.5						0.30																									
Critical boom angle	—	—	—	—	18°	—	—	—	—	22°	35°	—	—	—	12°	33°	42°	—	—	33°	41°	50°	56°	—	36°	59°	64°	69°	72°		
Standard hook	for 20 ton						for 20 ton						for 20 ton						for 20 ton						for 20 ton						
Hook mass	150kg						150kg						150kg						150kg						150kg						
Parts of line	7*,6	6			4	7*,6	6			4	7*,6	6			4	6			4	6			4	6			4	6			

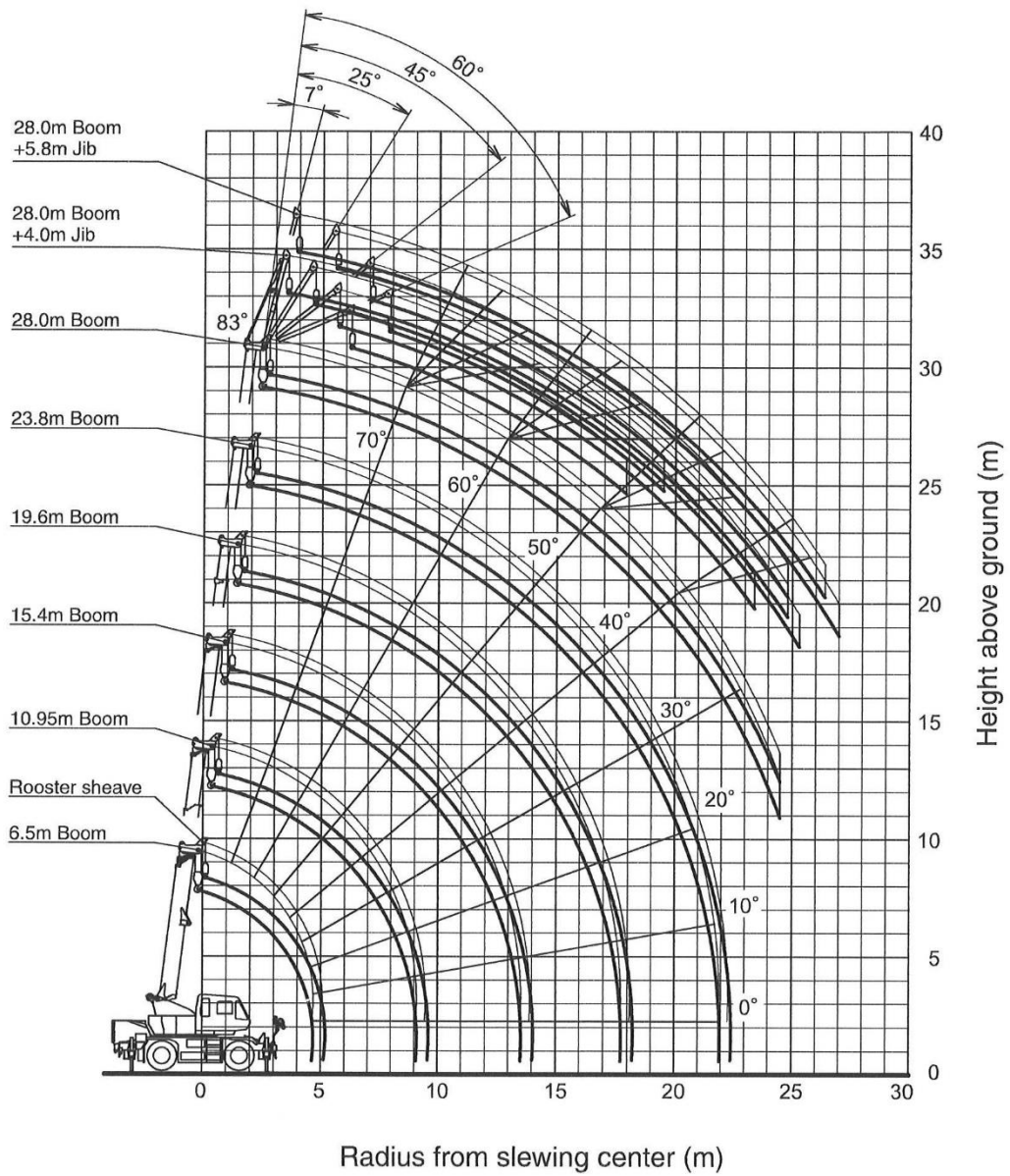
(Unit: Metric ton)

When outriggers are not used

Working radius (m)	 Stationary on rubber								 Pick & carry (less than 2km/h)								Working radius (m)
	6.5m Boom		10.95m Boom		15.4m Boom		19.6m Boom		6.5m Boom		10.95m Boom		15.4m Boom		19.6m 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	Over front	360° full range	Over front	360° full range	
3.0	6.00	4.00	6.00	4.00	5.00	4.00	5.00	4.00	4.30	2.80	4.30	2.80	4.10	2.80	4.10	2.30	3.0
3.5	6.00	3.50	6.00	3.50	5.00	3.50	5.00	3.50	4.30	2.30	4.30	2.20	4.10	2.20	4.10	2.30	3.5
4.0	6.00	2.80	6.00	2.80	5.00	2.80	5.00	3.00	4.30	1.90	4.30	1.70	4.10	1.70	4.10	1.90	4.0
4.5	5.50	2.20	5.50	2.20	5.00	2.20	5.00	2.50	3.80	1.50	3.80	1.40	3.70	1.40	3.75	1.60	4.5
5.0			5.00	1.80	4.50	1.70	4.50	2.00			3.30	1.10	3.30	1.10	3.30	1.30	5.0
5.5			4.50	1.40	4.00	1.35	4.00	1.65			2.90	0.85	2.90	0.70	3.00	1.05	5.5
6.0			3.90	1.10	3.60	1.05	3.60	1.35			2.60	0.45	2.60	0.35	2.75	0.75	6.0
6.5			3.35	0.85	3.20	0.75	3.25	1.10			2.30		2.30		2.50	0.50	6.5
7.0			2.90	0.55	2.80		3.10				2.00		2.00		2.30		7.0
8.0			2.20		2.10		2.40				1.30		1.35		1.80		8.0
9.0					1.60		1.85						0.80		1.40		9.0
10.0					1.20		1.45						0.35		0.95		10.0
11.0					0.85		1.15							0.50			11.0
12.0					0.55		0.85										12.0
13.0							0.60										13.0
14.0							0.40										14.0
Critical boom angle	—	—	25°	37°	25°	60°	36°	66°	—	—	25°	46°	40°	61°	50°	66°	Critical boom angle
Standard hook	For 20 ton																Standard hook
Hook mass	150kg																Hook mass
Parts of line	4																Parts of line




(Unit: Metric ton)

WORKING RANGE




- Notes:
1. This diagram does not include deflection of Boom and Jib.
 2. The outriggers are fully extended.


19.6m Boom+4.0m Jib


 (5.4m)								 (4.8m)								 (4.3m)																				
Outriggers fully extended (5.4m) - 360° full range								Outriggers intermediately extended (4.8m) - over side								Outriggers intermediately extended (4.3m) - over side																				
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		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)										
83	2.7	2.50	3.9	2.00	4.9	1.50	5.4	1.20	83	2.7	2.50	3.9	2.00	4.9	1.50	5.4	1.20	83	2.7	2.50	3.9	2.00	4.9	1.50	5.4	1.20										
80	3.9	2.50	5.1	2.00	6.0	1.50	6.5	1.20	80	3.9	2.50	5.1	2.00	6.0	1.50	6.5	1.20	80	3.9	2.50	5.1	2.00	6.0	1.50	6.5	1.20										
75	6.0	2.50	7.1	2.00	7.9	1.50	8.3	1.20	75	6.0	2.50	7.1	2.00	7.9	1.50	8.3	1.20	75	6.0	2.50	7.1	2.00	7.9	1.50	8.3	1.20										
70	8.0	2.50	9.0	2.00	9.7	1.50	10.0	1.20	70	8.0	2.50	9.0	2.00	9.7	1.50	10.0	1.20	70	8.0	2.50	9.0	2.00	9.7	1.50	10.0	1.20										
65	9.9	2.50	10.8	2.00	11.3	1.50	11.6	1.20	65	9.9	2.50	10.8	2.00	11.3	1.50	11.6	1.20	65	9.9	2.50	10.8	2.00	11.3	1.50	11.6	1.20										
62	11.0	2.50	11.8	2.00	12.4	1.50	12.6	1.20	62	11.0	2.50	11.8	2.00	12.4	1.50	12.6	1.20	62	11.0	2.50	11.8	2.00	12.4	1.50	12.6	1.20										
60	11.7	2.50	12.5	1.95	13.0	1.50	13.2	1.20	60	11.7	2.23	12.5	1.90	13.0	1.50	13.2	1.20	60	11.7	1.78	12.5	1.64	13.0	1.50	13.2	1.20										
57	12.8	2.30	13.4	1.90	13.8	1.50			57	12.8	1.80	13.4	1.72	13.8	1.50			57	12.8	1.28	13.1	1.21	14.4	1.15												
55	13.4	2.07	14.1	1.85	14.4	1.50			55	13.3	1.63	14.1	1.45	14.4	1.43			55	13.3	0.91	15.4	0.85	15.7	0.84												
50	14.9	1.58	15.5	1.51	15.8	1.48			50	14.8	1.21	15.4	1.16	15.8	1.11			50	14.8	0.63	16.7	0.60	17.1	0.55												
45	16.2	1.25	16.8	1.19	17.1	1.15			45	16.1	0.92	16.7	0.87	17.1	0.82			45	16.1	0.43	17.8	0.41														
40	17.4	1.00	17.8	0.98					40	17.3	0.69	18.0	0.63					40	17.3	0.26	18.9	0.25														
35	18.6	0.78	18.8	0.77					35	18.5	0.50	18.9	0.49					35	18.5																	
30	19.5	0.64	19.8	0.62					30	19.5	0.36	19.8	0.35					30	19.5																	
25	20.3	0.53	20.8	0.47					27	20.1	0.29	20.4	0.27					27	20.1																	
20	21.0	0.43							Critical boom angle	26°		26°		44°		59°		Critical boom angle	34°		34°		44°		59°											
15	21.3	0.40							Standard hook	For 3.2 ton												Standard hook	For 3.2 ton													
7	21.7	0.30							Hook mass	60kg												Hook mass	60kg													
Critical boom angle	6°		24°		44°		59°		Parts of line	1												Parts of line	1													
Standard hook	For 3.2 ton																																			
Hook mass	60kg																																			
Parts of line	1																																			

19.6m Boom+4.0m Jib


19.6m Boom+5.8m Jib


 (3.2m)								
Outriggers intermediately extended (3.2m) - over side								
Boom angle (°)	Offset 7°		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)
83	2.7	2.50	3.9	2.00	4.9	1.50	5.4	1.20
80	3.9	2.50	5.1	2.00	6.0	1.50	6.5	1.20
75	6.0	2.50	7.1	2.00	7.9	1.50	8.3	1.20
73	6.8	2.50	7.8	2.00	8.6	1.50	9.0	1.20
70	8.0	2.35	9.0	2.00	9.7	1.50	10.0	1.20
67	9.2	1.75	10.1	1.55	10.7	1.40	11.0	1.20
65	9.8	1.50	10.8	1.30	11.3	1.25	11.6	1.15
60	11.5	0.92	12.4	0.82	12.9	0.79	13.2	0.73
55	13.1	0.53	13.9	0.48	14.3	0.47		
52	14.2	0.32	14.8	0.32	15.2	0.30		
Critical boom angle	51°		51°		51°		59°	
Standard hook	For 3.2 ton							
Hook mass	60kg							
Parts of line	1							

 (5.4m)								
Outriggers fully extended (5.4m) - 360° full range								
Boom angle (°)	Offset 7°		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)
83	3.2	2.00	4.5	1.10	6.3	0.75	7.0	0.60
80	4.6	2.00	6.1	1.10	7.4	0.75	8.1	0.60
78	5.4	2.00	7.0	1.10	8.3	0.74	8.9	0.60
75	6.7	2.00	8.2	1.05	9.4	0.72	10.0	0.60
70	8.8	1.70	10.1	0.96	11.2	0.68	11.7	0.60
65	10.8	1.40	12.0	0.87	13.0	0.66	13.3	0.60
60	12.7	1.20	13.8	0.80	14.6	0.64	14.8	0.60
55	14.5	1.05	15.5	0.75	16.1	0.63		
50	16.1	0.96	17.1	0.72	17.5	0.62		
45	17.6	0.88	18.3	0.69	18.8	0.60		
40	18.9	0.81	19.5	0.68				
37	19.7	0.77	20.2	0.67				
35	20.2	0.70	20.7	0.65				
30	21.2	0.57	21.6	0.55				
25	21.9	0.48	22.4	0.45				
20	22.7	0.39						
15	23.1	0.35						
7	23.5	0.23						
Critical boom angle	6°		24°		44°		59°	
Standard hook	For 3.2 ton							
Hook mass	60kg							
Parts of line	1							



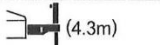
 (4.8m)								
Outriggers intermediately extended (4.8m) - over side								
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
83	3.2	2.00	4.5	1.10	6.3	0.75	7.0	0.60
80	4.6	2.00	6.1	1.10	7.4	0.75	8.1	0.60
78	5.4	2.00	7.0	1.10	8.3	0.74	8.9	0.60
75	6.7	2.00	8.2	1.05	9.4	0.72	10.0	0.60
70	8.8	1.70	10.1	0.96	11.2	0.68	11.7	0.60
65	10.8	1.40	12.0	0.87	13.0	0.66	13.3	0.60
60	12.7	1.20	13.8	0.80	14.6	0.64	14.8	0.60
55	14.5	1.05	15.5	0.75	16.1	0.63		
50	16.1	0.96	17.1	0.72	17.5	0.62		
48	16.8	0.90	17.6	0.71	18.0	0.61		
45	17.6	0.81	18.3	0.68	18.8	0.60		
40	18.9	0.61	19.6	0.58				
35	20.2	0.43	20.6	0.43				
30	21.2	0.32	21.5	0.32				
27	21.5	0.28	22.0	0.26				
Critical boom angle	26°		26°		44°		59°	
Standard hook	For 3.2 ton							
Hook mass	60kg							
Parts of line	1							

19.6m Boom+5.8m Jib

 (4.3m)								
Outriggers intermediately extended (4.3m) - over side								
Boom angle (°)	Offset 7°		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)
83	3.2	2.00	4.5	1.10	6.3	0.75	7.0	0.60
80	4.6	2.00	6.1	1.10	7.4	0.75	8.1	0.60
78	5.4	2.00	7.0	1.10	8.3	0.74	8.9	0.60
75	6.7	2.00	8.2	1.05	9.4	0.72	10.0	0.60
70	8.8	1.70	10.1	0.96	11.2	0.68	11.7	0.60
65	10.8	1.40	12.0	0.87	13.0	0.66	13.3	0.60
60	12.7	1.20	13.8	0.80	14.6	0.64	14.8	0.60
55	14.5	1.05	15.5	0.75	16.1	0.63		
54	14.8	1.00	15.8	0.74	16.4	0.63		
50	16.1	0.80	17.1	0.71	17.5	0.62		
45	17.6	0.55	18.4	0.52	18.8	0.50		
40	18.9	0.37	19.6	0.35				
36	19.9	0.25	20.4	0.25				
Critical boom angle	35°		35°		44°		59°	
Standard hook	For 3.2 ton							
Hook mass	60kg							
Parts of line	1							



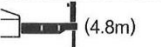
 (3.2m)								
Outriggers intermediately extended (3.2m) - over side								
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
83	3.2	2.00	4.5	1.10	6.3	0.75	7.0	0.60
80	4.6	2.00	6.1	1.10	7.4	0.75	8.1	0.60
78	5.4	2.00	7.0	1.10	8.3	0.74	8.9	0.60
75	6.7	2.00	8.2	1.05	9.4	0.72	10.0	0.60
70	8.8	1.70	10.1	0.96	11.2	0.68	11.7	0.60
68	9.7	1.50	10.9	0.92	12.0	0.67	12.4	0.60
65	10.8	1.30	12.0	0.87	13.0	0.66	13.3	0.60
60	12.7	0.79	13.9	0.70	14.6	0.63	14.8	0.60
55	14.4	0.45	15.5	0.41	16.1	0.40		
52	15.5	0.28	16.4	0.27	17.0	0.25		
Critical boom angle	51°		51°		51°		59°	
Standard hook	For 3.2 ton							
Hook mass	60kg							
Parts of line	1							

28.0m Boom + 4.0m Jib



 (5.4m)								 (4.8m)								 (4.3m)														
Outriggers fully extended (5.4m) - 360° full range								Outriggers intermediately extended (4.8m) - over side								Outriggers intermediately extended (4.3m) - over side														
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		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)				
83	4.2	2.50	5.4	2.00	6.4	1.50	6.8	1.20	83	4.2	2.50	5.4	2.00	6.4	1.50	6.8	1.20	83	4.2	2.50	5.4	2.00	6.4	1.50	6.8	1.20				
80	6.0	2.50	7.2	2.00	8.0	1.50	8.4	1.20	80	6.0	2.50	7.2	2.00	8.0	1.50	8.4	1.20	80	6.0	2.50	7.2	2.00	8.0	1.50	8.4	1.20				
77	7.8	2.50	8.9	2.00	9.6	1.50	10.0	1.20	77	7.8	2.50	8.9	2.00	9.6	1.50	10.0	1.20	77	7.8	2.50	8.9	2.00	9.6	1.50	10.0	1.20				
75	9.0	2.50	9.9	1.90	10.7	1.50	11.0	1.20	75	9.0	2.50	9.9	1.90	10.7	1.50	11.0	1.20	75	9.0	2.50	9.9	1.90	10.7	1.50	11.0	1.20				
70	11.6	2.05	12.5	1.65	13.2	1.35	13.4	1.20	70	11.6	2.05	12.5	1.65	13.2	1.35	13.4	1.20	70	11.6	2.05	12.5	1.65	13.2	1.35	13.4	1.20				
65	14.2	1.65	15.0	1.40	15.6	1.20	15.7	1.20	67	13.1	1.80	14.0	1.50	14.7	1.25	14.8	1.20	70	11.6	1.95	12.5	1.60	13.2	1.35	13.4	1.20				
60	16.5	1.30	17.3	1.20	17.7	1.10	17.9	1.10	65	14.2	1.56	15.0	1.40	15.6	1.20	15.7	1.20	67	13.2	1.48	14.1	1.36	14.7	1.23	14.8	1.20				
57	17.9	1.10	18.6	1.05	18.9	1.02			63	15.1	1.33	16.0	1.23	16.5	1.15	16.6	1.15	65	14.0	1.27	15.0	1.14	15.6	1.09	15.7	1.08				
55	18.7	0.96	19.5	0.90	19.7	0.89			60	16.4	1.05	17.2	0.99	17.7	0.96	17.9	0.93	60	16.3	0.79	17.2	0.72	17.6	0.71	17.9	0.65				
50	20.7	0.66	21.3	0.64	21.6	0.63			55	18.6	0.68	19.3	0.65	19.7	0.63			55	18.4	0.47	19.2	0.43	19.5	0.43						
45	22.5	0.45	23.0	0.44	23.4	0.41			50	20.5	0.43	21.2	0.40	21.5	0.40			52	19.7	0.31	20.4	0.29	20.7	0.29						
40	24.2	0.28	24.6	0.28					47	21.7	0.30	22.2	0.30	22.5	0.29															
38	24.8	0.23	25.3	0.22																										
									Critical boom angle	46°	46°	46°	59°					Critical boom angle	51°	51°	51°	59°								
									Standard hook	For 3.2 ton												Standard hook	For 3.2 ton							
									Hook mass	60kg												Hook mass	60kg							
									Parts of line	1												Parts of line	1							

28.0m Boom + 4.0m Jib

28.0m Boom + 5.8m Jib

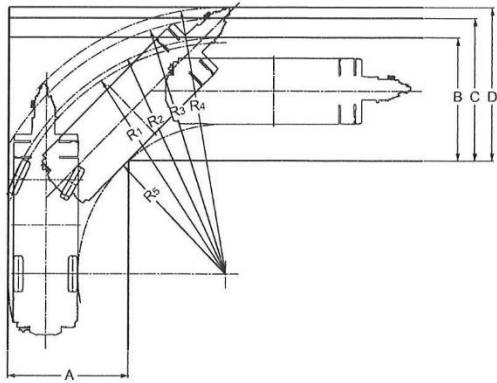
 (3.2m)								 (5.4m)								 (4.8m)														
Outriggers intermediately extended (3.2m) - over side								Outriggers fully extended (5.4m) - 360° full range								Outriggers intermediately extended (4.8m) - over side														
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		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)				
83	4.2	2.50	5.4	2.00	6.4	1.50	6.8	1.20	83	4.7	2.00	6.3	1.10	7.7	0.75	8.4	0.60	83	4.7	2.00	6.3	1.10	7.7	0.75	8.4	0.60				
80	6.0	2.50	7.2	2.00	8.0	1.50	8.4	1.20	80	6.6	2.00	8.1	1.10	9.3	0.74	10.0	0.60	80	6.6	2.00	8.1	1.10	9.3	0.74	10.0	0.60				
77	7.8	2.50	8.9	2.00	9.6	1.50	10.0	1.20	75	9.7	2.00	11.0	1.05	12.1	0.71	12.6	0.60	75	9.7	2.00	11.0	1.05	12.1	0.71	12.6	0.60				
75	8.8	2.10	9.9	1.80	10.7	1.50	11.0	1.20	70	12.6	1.65	13.7	0.93	14.6	0.68	15.1	0.60	70	12.6	1.65	13.7	0.93	14.6	0.68	15.1	0.60				
73	10.0	1.60	10.9	1.45	11.7	1.30	12.0	1.20	65	15.2	1.35	16.3	0.85	17.0	0.65	17.3	0.60	65	15.2	1.33	16.3	0.85	17.0	0.65	17.3	0.60				
70	11.3	1.17	12.3	1.04	13.1	0.95	13.4	0.92	60	17.6	1.15	18.7	0.78	19.4	0.63	19.5	0.60	63	16.2	1.21	17.2	0.82	18.0	0.64	18.2	0.60				
65	13.7	0.60	14.7	0.53	15.3	0.51	15.5	0.50	58	18.7	1.05	19.6	0.77	20.2	0.62			60	17.6	0.95	18.7	0.78	19.4	0.63	19.5	0.60				
									55	20.0	0.87	20.9	0.74	21.4	0.62			57	19.1	0.72	20.0	0.70	20.6	0.62						
									50	22.0	0.61	23.0	0.57	23.4	0.57			55	19.9	0.61	20.9	0.58	21.4	0.57						
									45	24.0	0.41	24.7	0.40	24.8	0.40			50	21.9	0.38	22.8	0.37	23.3	0.35						
									40	25.7	0.26	26.3	0.25					47	23.1	0.27	24.0	0.25	24.3	0.25						
									38	26.4	0.20	27.0	0.20																	
									Critical boom angle	37°	37°	44°	59°					Critical boom angle	46°	46°	46°	59°								
									Standard hook	For 3.2 ton												Standard hook	For 3.2 ton							
									Hook mass	60kg												Hook mass	60kg							
									Parts of line	1												Parts of line	1							

28.0m Boom + 5.8m Jib

 (4.3m)								 (3.2m)													
Outriggers intermediately extended (4.3m) - over side								Outriggers intermediately extended (3.2m) - over side													
Boom angle (°)	Offset 7°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 7°		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)				
83	4.7	2.00	6.3	1.10	7.7	0.75	8.4	0.60	83	4.7	2.00	6.3	1.10	7.7	0.75	8.4	0.60				
80	6.6	2.00	8.1	1.10	9.3	0.74	10.0	0.60	80	6.6	2.00	8.1	1.10	9.3	0.74	10.0	0.60				
75	9.7	2.00	11.0	1.05	12.1	0.71	12.6	0.60	77	8.5	2.00	9.9	1.07	11.0	0.72	11.6	0.60				
70	12.6	1.65	13.7	0.93	14.6	0.68	15.1	0.60	75	10.0	1.73	11.0	1.05	12.1	0.71	12.6	0.60				
68	13.7	1.45	14.8	0.89	15.6	0.66	16.0	0.60	72	11.3	1.30	12.6	0.96	13.6	0.69	14.1	0.60				
65	15.1	1.14	16.3	0.85	17.0	0.65	17.3	0.60	70	12.3	1.03	13.7	0.89	14.6	0.68	15.1	0.60				
62	16.1	0.94	17.8	0.78	18.5	0.64	18.7	0.60	68	13.3	0.80	14.7	0.70	15.6	0.66	16.0	0.60				
60	17.4	0.72	18.7	0.65	19.4	0.62	19.5	0.60	65	14.7	0.54	16.3	0.44	17.0	0.44	17.3	0.43				
55	19.7	0.42	20.9	0.37	21.4	0.37															
52	21.0	0.28	22.0	0.26	22.5	0.25			Critical boom angle	64°	64°	64°	64°								
									Standard hook	For 3.2 ton											
									Hook mass	60kg											
									Parts of line	1											

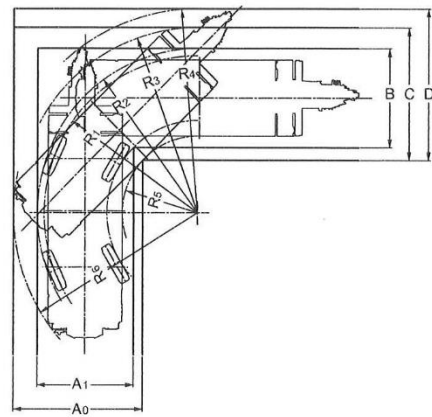
Minimum path width

● Right turn in two-wheel steering mode



- $R_1=8.00\text{m}$
(Minimum turning radius)
- $R_2=8.18\text{m}$
(Turning radius of extremely outer tire)
- $R_3=8.85\text{m}$
(Chassis turning radius)
- $R_4=9.23\text{m}$
(Boom end turning radius)
- $R_5=5.19\text{m}$
(Turning radius extremely chassis inner)
- $A=4.26\text{m}$ (Width of entrance)
- $B=4.26\text{m}$ (Width of wheel exit)
- $C=4.93\text{m}$ (Width of chassis exit)
- $D=5.31\text{m}$ (Width of exit at end of boom)

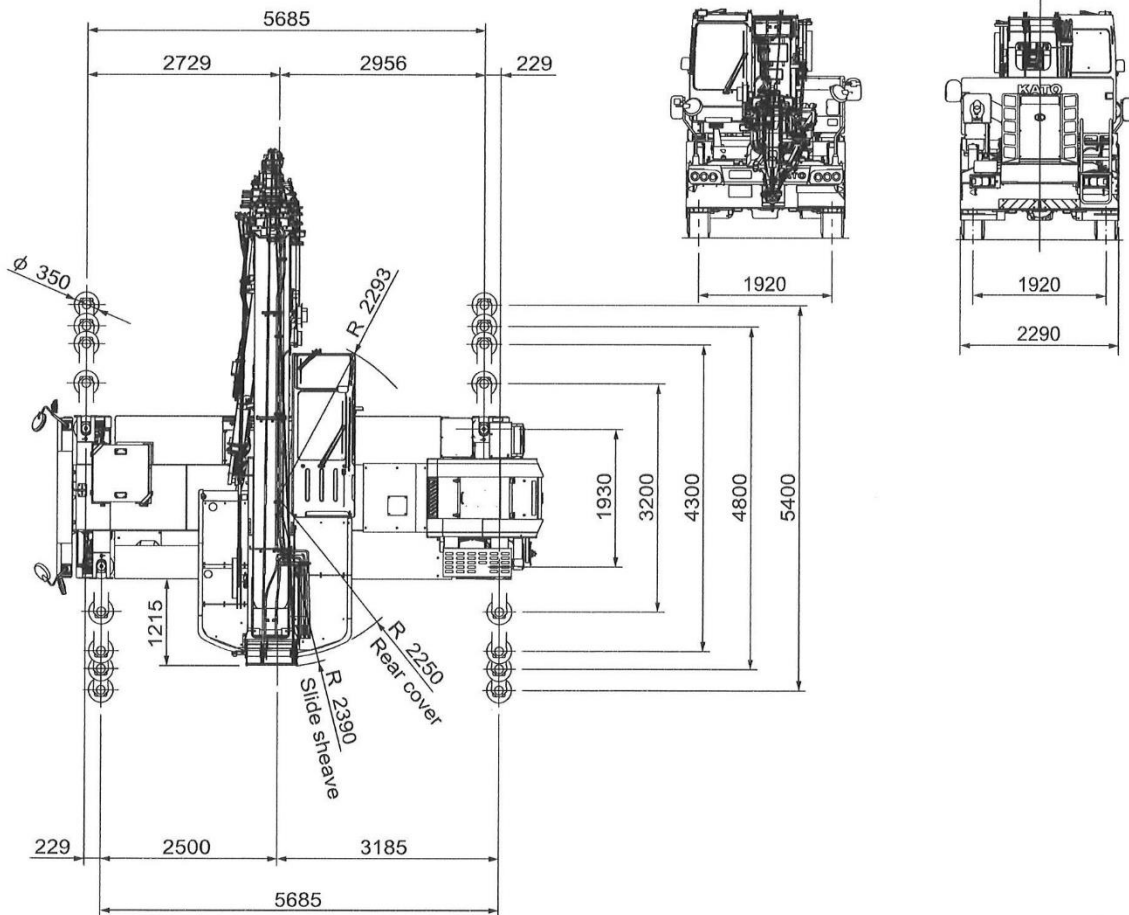
● Right turn in 4-wheel steering mode



- $R_1=4.70\text{m}$
(Minimum turning radius)
- $R_2=4.91\text{m}$
(Turning radius of extremely outer tire)
- $R_3=5.54\text{m}$
(Chassis turning radius)
- $R_4=6.11\text{m}$
(Boom end turning radius)
- $R_5=2.30\text{m}$
(Turning radius extremely chassis inner)
- $R_5=5.64\text{m}$
(Turning radius at the rear end of the chassis)
- $A_0=3.97\text{m}$ (Width of chassis entrance)
- $A_1=2.96\text{m}$ (Width of wheel entrance)
- $B=2.96\text{m}$ (Width of wheel exit)
- $C=3.97\text{m}$ (Width of chassis exit)
- $D=4.54\text{m}$ (Width of exit at end of boom)

Note: The above values are based on calculations.

Overall view



Reduced scale: 1/100 Unit (mm)