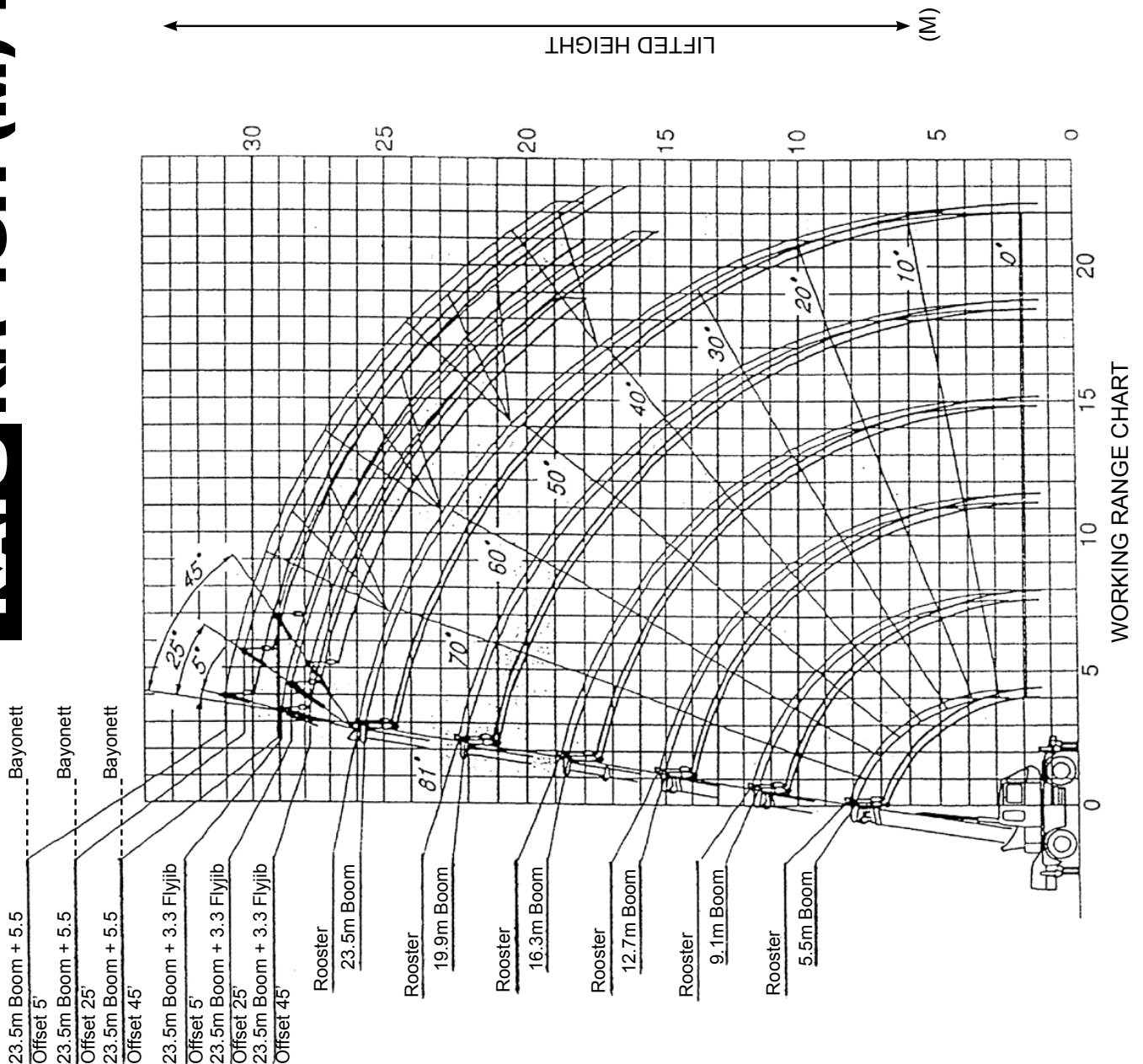


KATO KR10H-L II 10T BUBBLE CRANE

KATO KR-10H (M)-L II



Effects of boom deflection not included in the working range chart.

Working range outrigger fully extended 360°.

Kato: 39

KATO KR10H-L II

10T BUBBLE CRANE

KATO KR-10H -L II

Rated Lifting Capacity Chart (1) @ 75%
KATO: 391-75001001
UNIT METRIC TONNE

Working Radius (M)	Outriggers (4.5m)					Outriggers (3.5m)					Outriggers (2.5m)					Outriggers (1.64m)					Working Radius (M)			
	Fully extended 360°					at mid ext. over side					at mid ext. over side					at min ext. over side								
5.5m	9.1m	12.7m	16.3m	19.9m	23.5m	5.5m	9.1m	12.7m	16.3m	19.9m	23.5m	5.5m	9.1m	12.7m	16.3m	19.9m	23.5m	5.5m	9.1m	12.7m	16.3m	19.9m	23.5m	
1.5	10.00	5.00	5.00	5.00		10.00	5.00	5.00	5.00	4.00		10.00	5.00	5.00	5.00	4.00		8.00	5.00	5.00	5.00	4.00		1.5
2.0	10.00	5.00	5.00	5.00		10.00	5.00	5.00	5.00	4.00		10.00	5.00	5.00	5.00	4.00		5.53.7	5.00	5.00	5.00	4.00		2.0
2.5	10.00	5.00	5.00	5.00		10.00	5.00	5.00	5.00	4.00		10.00	5.00	5.00	5.00	4.00		2.70	3.50	3.50	3.50	3.20		2.5
3.0	8.00	5.00	5.00	5.00	4.00	8.00	5.00	5.00	5.00	4.00	4.00	5.40	5.00	5.00	5.00	4.00	4.00	2.10	2.60	2.60	2.60	2.55	2.55	3.0
3.5	6.10	5.00	5.00	5.00	2.30	6.10	5.00	5.00	5.00	4.00	2.30	4.10	4.00	4.00	3.80	4.00	4.00	1.60	1.95	1.95	2.05	2.05	2.00	3.5
4.0	5.20	5.00	5.00	5.00	2.30	5.20	5.00	5.00	5.00	4.00	2.30	3.20	3.10	3.00	3.20	3.30	2.30	1.50	1.50	1.50	1.60	1.65	1.70	4.0
4.5		5.00	4.55	4.00	3.70		4.80	4.55	4.00	3.70	2.30		2.50	2.40	2.60	2.75	2.30	1.15	1.15	1.15	1.25	1.35	1.40	4.5
5.0		4.40	4.10	3.70	3.40	2.30	3.85	3.80	3.70	3.40	2.30		2.05	1.95	2.15	2.30	2.30	0.90	0.90	0.90	1.00	1.10	1.20	5.0
5.5		3.95	3.70	3.40	3.10	2.30	3.20	3.15	3.40	3.10	2.30	1.70	1.60	1.70	1.60	1.80	1.90	0.70	0.70	0.70	0.80	0.90	1.00	5.5
6.0		3.55	3.35	3.15	2.85	2.30	2.70	2.70	2.90	2.85	2.30	1.40	1.35	1.50	1.50	1.65	1.70	0.55	0.50	0.55	0.65	0.75	0.85	6.0
6.5		3.15	3.05	2.90	2.60	2.15	2.30	2.30	2.50	2.60	2.15	1.20	1.15	1.30	1.130	1.42	1.50	0.40	0.30	0.40	0.50	0.60	0.70	6.5
7.0		2.80	2.80	2.65	2.40	2.00	2.00	2.00	1.95	2.15	2.30	1.00	0.95	1.10	1.10	1.25	1.30	0.25		0.25	0.40	0.50	0.55	7.0
8.0		2.50	2.30	2.25	2.05	1.75		1.75	1.45	1.65	1.80		0.85		0.85	0.95	1.00							8.0
9.0		1.90	1.90	1.95	1.80	1.55		(7.5m)	1.10	1.30	1.40		(7.5m)		0.40	0.60	0.70							9.0
10.0		1.55	1.70	1.60	1.40	1.40			0.80	1.00	1.15				0.20	0.40	0.50							10.0
11.0		1.20	1.45	1.40	1.25	1.25			0.60	0.80	0.95				0.25	0.35	0.45							11.0
12.0			1.20	1.25	1.15	1.15			0.60	0.75	0.85					0.20	0.30							12.0
13.0			0.95	1.05	1.05	1.05				0.45	0.60	0.70												13.0
14.0			0.80	0.90	0.95	0.95			0.25	0.30	0.45	0.55												14.0
15.0			(14.5m)	0.75	0.85	0.85			(14.5m)	0.35	0.45													15.0
16.0				0.65	0.70	0.70				0.25	0.34													16.0
17.0				0.55	0.60	0.60				0.17	0.25													17.0
18.0				0.45	0.50	0.50					0.17													18.0
19.0					0.42	0.42																		19.0
20.0					0.35	0.35																		20.0
21.0					0.30	0.30																		21.0
22.0					0.25	0.25																		22.0
Critical Boom 1	-	-	-	-	-	-	-	-	-	-	30°	-	-	-	40°	46°	54°	-	-	52°	59°	64°	68°	Critical Boom 1
Standard Hook 2																								Standard Hook 2
Hook Mass 3																								Hook Mass 3
Parts Line 4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	Parts Line 4

KATO KR10H-L II

10T BUBBLE CRANE

KATO KR-10H (M) - L II

Rated Lifting Capacity FLY-JIB @ 75%

Rated Lifting Capacity @ 75%	
Without outriggers stat rubber Pick & Carry less 2 km	
Work Radius (m)	1 Load overfront (ton)
1.5	5.5m Boom 9.1m Boom
3.0	1.00
4.0	1.00
7.5	1.00
Critical Boom	-
Stand Hook	10t
Hook Mass	75kg
Parts Line	4
KR-10HM-L II	

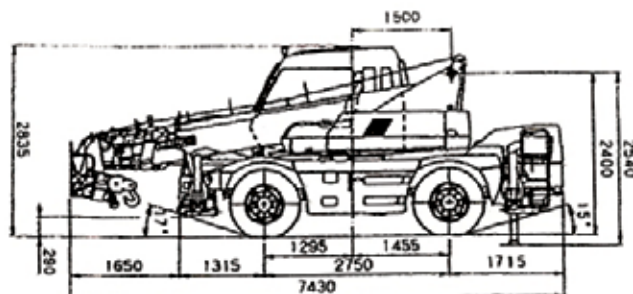
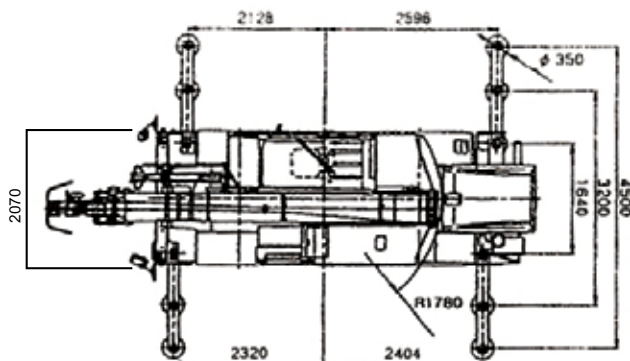
KATO: 391-7500 1001

23.5m Boom + 3.3m FLY JIB											
Outriggers Fully (4.5m) ext - 360°						1.4t Hook (20kg) Hook Mass					
Outriggers Mid (3.5m) ext - 480°						Outriggers Mid (2.5m) Ext Overside					
5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)	5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)
81	3.60	1.20	4.70	1.00	0.80	81	3.6	1.20	4.7	1	5.4
75	6.50	1.20	7.50	1.00	0.80	75	6.5	1.20	7.5	1	8.0
70	8.80	1.20	9.70	1.00	0.80	70	8.8	1.20	9.7	1	8.9
65	11.10	1.00	11.80	0.88	12.20	65	11.5	0.95	12.2	0.85	12.6
60	13.20	0.88	13.80	0.78	14.10	60	13.2	0.81	13.0	0.74	13.4
57	14.30	0.81	15.00	0.73	15.30	57	14.3	0.68	13.7	0.63	14.1
53	15.80	0.72	16.40	0.64	16.60	53	15.8	0.41	15.5	0.39	15.8
51	16.50	0.63	17.10	0.60	17.30	51	16.6	0.22	17.2	0.21	17.4
46	18.10	0.45	18.60	0.42	18.80	46	18.1	0.22	17.2	0.21	17.4
40	19.90	0.28	20.30	0.27		40	19.9	0.28	20.30	0.27	
36	21.00	0.20	21.30	0.20		36	21.0	0.20	21.30	0.20	
Critical Boom	340					Critical Boom	480				
23.5m Boom + 5.5m FLY-JIB + BAYONETT 1.4t						14.t Hook (20kg) Hook Mass					
Outriggers Fully (4.5m) ext - 360°						Outriggers Mid (3.5m) ext - 480°					
5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)	5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)
81	4.10	0.75	5.90	0.60	0.50	81	4.1	0.75	5.9	0.60	7.1
75	7.40	0.75	9.00	0.60	10.00	75	7.4	0.75	9.0	0.60	10.0
68	11.00	0.75	12.20	0.53	13.10	68	11	0.75	12.2	0.53	13.1
65	12.30	0.68	13.50	0.51	14.30	65	12.3	0.68	13.5	0.51	14.3
60	14.50	0.58	15.70	0.47	16.30	60	14.1	0.60	15.2	0.48	15.9
55	16.60	0.50	17.60	0.43	18.20	55	14.9	0.51	16.1	0.46	16.7
50	18.50	0.44	19.40	0.39	19.80	50	16.4	0.35	17.5	0.32	18.1
48	19.20	0.42	20.10	0.37	20.40	48	17.6	0.24	18.6	0.23	19.0
46	20.00	0.36	20.80	0.36	21.00	46	20.0	0.36	20.80	0.36	21.00
43	20.90	0.30	21.70	0.29		43	20.9	0.30	21.70	0.29	
38	22.40	0.20	23.00	0.20		38	22.4	0.20	23.00	0.20	
Critical Boom	360					Critical Boom	500				
23.5m Boom + 3.3m FLY JIB						1.4t Hook (20kg) Hook Mass					
Outriggers Fully (4.5m) ext - 360°						Outriggers Mid (3.5m) ext - 480°					
5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)	5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)
81	3.60	1.20	4.70	1.00	0.80	81	3.6	1.20	4.7	1	5.4
75	6.50	1.20	7.50	1.00	0.80	75	6.5	1.20	7.5	1	8.0
70	8.80	1.20	9.70	1.00	0.80	70	8.8	1.20	9.7	1	8.9
65	11.10	1.00	11.80	0.88	12.20	65	11.5	0.95	12.2	0.85	12.6
60	13.20	0.88	13.80	0.78	14.10	60	13.2	0.81	13.0	0.74	13.4
57	14.30	0.81	15.00	0.73	15.30	57	14.3	0.68	13.7	0.63	14.1
53	15.80	0.72	16.40	0.64	16.60	53	15.8	0.41	15.5	0.39	15.8
51	16.50	0.63	17.10	0.60	17.30	51	16.6	0.22	17.2	0.21	17.4
46	18.10	0.45	18.60	0.42	18.80	46	18.1	0.22	17.2	0.21	17.4
40	19.90	0.28	20.30	0.27		40	19.9	0.28	20.30	0.27	
36	21.00	0.20	21.30	0.20		36	21.0	0.20	21.30	0.20	
Critical Boom	340					Critical Boom	480				
23.5m Boom + 5.5m FLY-JIB + BAYONETT 1.4t						14.t Hook (20kg) Hook Mass					
Outriggers Fully (4.5m) ext - 360°						Outriggers Mid (3.5m) ext - 480°					
5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)	5° offset	25° offset	45° offset	WR (m)	Load (ton)	Boom (<)
81	4.10	0.75	5.90	0.60	0.50	81	4.1	0.75	5.9	0.60	7.1
75	7.40	0.75	9.00	0.60	10.00	75	7.4	0.75	9.0	0.60	10.0
68	11.00	0.75	12.20	0.53	13.10	68	11	0.75	12.2	0.53	13.1
65	12.30	0.68	13.50	0.51	14.30	65	12.3	0.68	13.5	0.51	14.3
60	14.50	0.58	15.70	0.47	16.30	60	14.1	0.60	15.2	0.48	15.9
55	16.60	0.50	17.60	0.43	18.20	55	14.9	0.51	16.1	0.46	16.7
50	18.50	0.44	19.40	0.39	19.80	50	16.4	0.35	17.5	0.32	18.1
48	19.20	0.42	20.10	0.37	20.40	48	17.6	0.24	18.6	0.23	19.0
46	20.00	0.36	20.80	0.36	21.00	46	20.0	0.36	20.80	0.36	21.00
43	20.90	0.30	21.70	0.29		43	20.9	0.30	21.70	0.29	
38	22.40	0.20	23.00	0.20		38	22.4	0.20	23.00	0.20	
Critical Boom	360					Critical Boom	500				

KATO KR10H-L II 10T BUBBLE CRANE

9 - 1 - 3 Dimensions

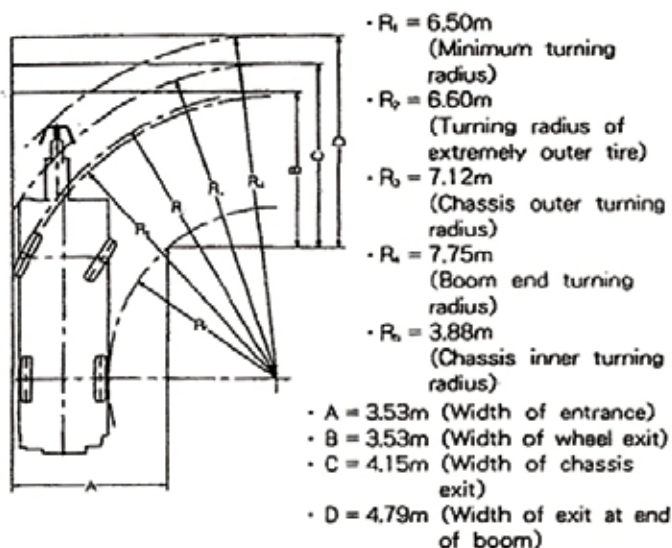
(1) Exterior



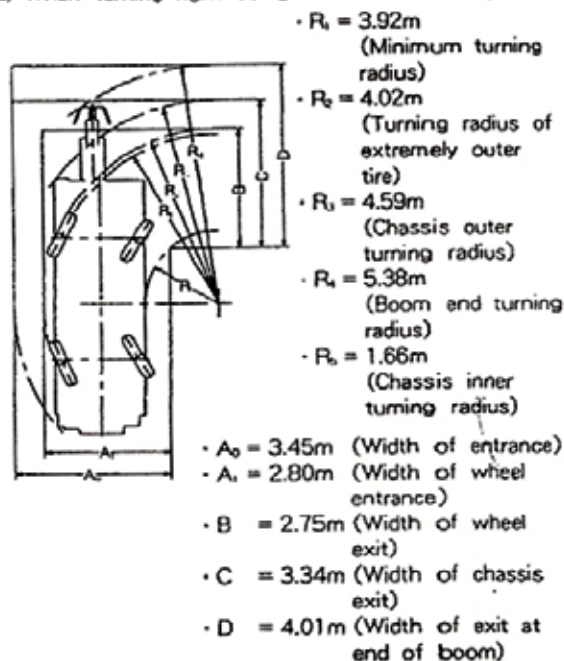
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(2) Minimum path width for 90° turns

1) When turning right using two-wheel steering



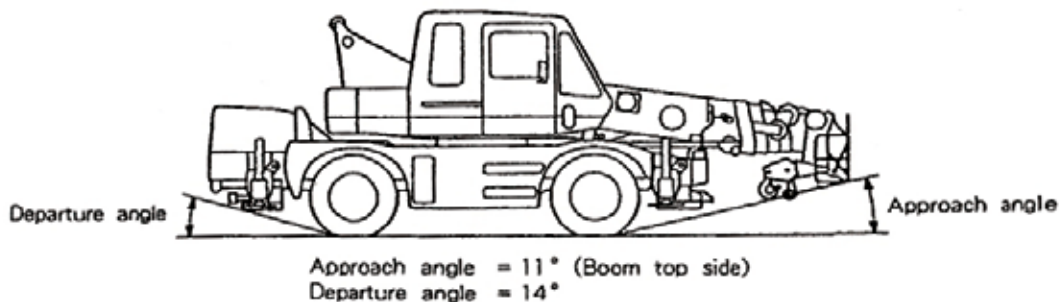
2) When turning right using four-wheel steering



(Note) The above values are based on calculations.

[431A-0022E-0]

(3) Approach angle and departure angle



[431D-0050E-0]

Allow 800mm for c/weights when slewing
Allow 600mm for front cab when slewing