



T.S.K. CRANE SERVICE CO.,LTD.

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Load Chart

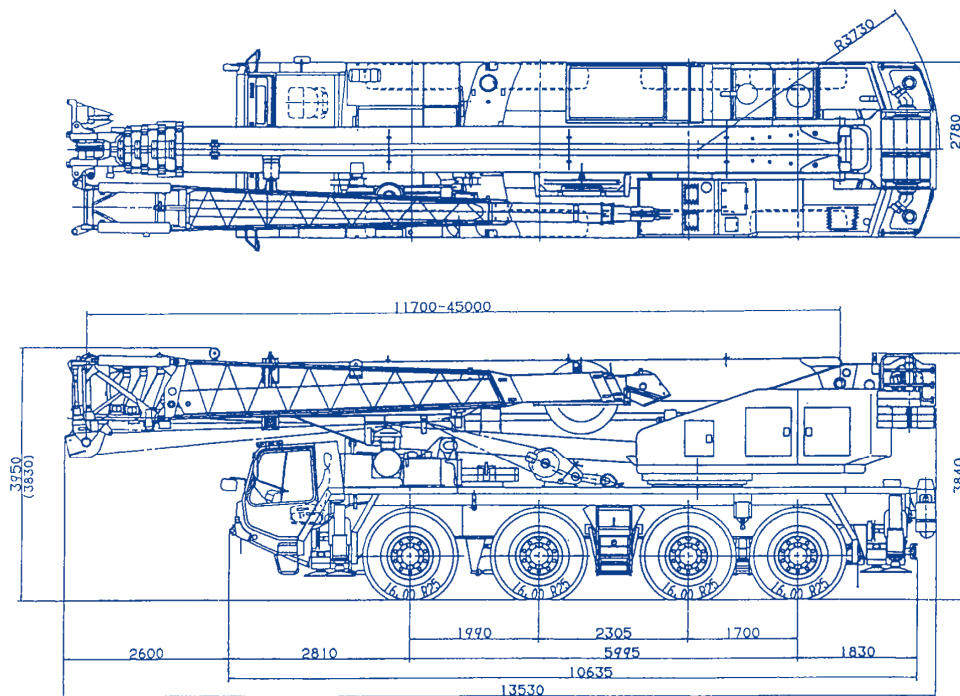


**FOR ALL TERRAIN CRANE 100 TONS
MODEL : TADANO AR - 1000M**

CRANE SPECIFICATIONS

Max. Lifting Height	100 ton (100,000 kg.)	Working Radius 2.8 m.
Boom	Boom Section	5 Sections
	Length	11.7 / 20.0 / 28.3 / 36.7 / 45.0 m.
	Jib 3	9.0 / 14.0 / 19.0 m.
Dimensions	Length	10.635 m.
	Width	2.78 m.
	Height	2.765 m.
Wire Rope	Main Winch	20 mm. X 245 m. (Diameter x Length) Spin - resistant wire rope
	Auxiliary Winch	20 mm. X 140 m. (Diameter x Length) Spin - resistant wire rope
Outriggers Tires	2 Stages	Full extended width 7.2 m. Middle extended width 6.36 m., 4.9 m., 3.6 m.
	Front	16.00 R25 (all wheels)
	Rear	11.00 - 25 (all wheels)
Weights	Gross Weight	Total 28,100 kg.
		Front 16,100 kg.
		Rear 12,000 kg.

DIMENSIONS (1/100)



TOTAL RATED LOADS								
Unit : ton								
A \ B (m)	11.7 m	20.0 m		28.3 m		36.7 m		45.0 m
2.8	100.0	45.0	17.0					
3.0	93.0	45.0	17.0					
3.5	80.0	45.0	17.0	30.0	17.0			
4.0	70.0	45.0	17.0	30.0	17.0			
4.5	61.6	45.0	17.0	30.0	17.0	17.0	17.0	
5.0	55.2	45.0	17.0	30.0	17.0	17.0	17.0	11.5
5.5	49.3	45.0	17.0	28.5	17.0	17.0	17.0	11.5
6.0	45.1	43.8	17.0	26.9	17.0	17.0	17.0	11.5
6.5	41.0	40.7	17.0	25.5	17.0	17.0	17.0	11.5
7.0	37.8	38.0	17.0	24.0	17.0	17.0	16.6	11.5
8.0	32.2	32.5	17.0	21.3	17.0	17.0	15.3	11.5
9.0	27.8	28.1	17.0	19.1	17.0	17.0	14.2	11.5
10.0		24.5	17.0	17.2	17.0	15.4	13.2	11.5
11.0		21.5	17.0	15.5	16.2	14.1	12.2	11.5
12.0		18.4	17.0	14.2	15.4	13.1	11.4	11.0
14.0		13.9	15.1	12.0	13.6	11.2	10.0	9.7
16.0		10.8	11.9	10.2	12.1	9.6	8.9	8.4
18.0				8.6	10.1	8.2	8.0	7.4
20.0				6.8	8.3	7.1	7.3	6.5
22.0				5.2	6.9	6.2	6.5	5.7
24.0				4.0	5.8	5.4	5.8	5.1
26.0				3.0	4.8	4.3	5.0	4.6
28.0						3.4	4.1	4.0
30.0						2.7	3.4	3.5
32.0						2.1	2.8	2.9
34.0						1.6	2.2	2.3
36.0								1.8
38.0								1.4
40.0								1.1
42.0								0.8
$\theta(^{\circ})$	0 ~ 82	0 ~ 82	0 ~ 82	0 ~ 82	0 ~ 82	0 ~ 82	0 ~ 82	10 ~ 82
Boom stage telescoping condition (%)								
Telescoping method	I, II	I	II	I	II	I	II	I, II
2nd boom	0	50	25	100	50	100	75	100
3rd boom	0	50	25	100	50	100	75	100
4th boom	0	0	25	0	50	50	75	100
5th boom	0	0	25	0	50	50	75	100

A = Boom length (ความยาวของบูม)
 B = Working radius (ระยะห่างการทำงาน)
 θ = Boom angle range (for the unladen condition) (มุมองศา)



(JIB) Performance A

Unit : ton

C D E (°)	9.0 m						14.0 m						19.0 m					
	5°		25°		45°		5°		25°		45°		5°		25°		45°	
	B(m)	M	B(m)	M	B(m)	M	B(m)	M	B(m)	M	B(m)	M	B(m)	M	B(m)	M	B(m)	M
82	7.6	6.5	10.1	4.2	11.9	3.0	8.7	3.5	13.0	2.4	16.0	1.5	10.1	2.5	15.7	1.1	20.1	0.7
80	9.8	6.5	12.1	4.2	13.8	3.0	11.0	3.5	15.1	2.4	18.0	1.5	12.7	2.5	18.0	1.1	22.1	0.7
79	10.8	6.5	13.1	4.2	14.8	3.0	12.2	3.5	16.2	2.4	19.0	1.5	13.9	2.5	19.1	1.1	23.2	0.7
78	11.9	6.5	14.1	4.2	15.7	3.0	13.3	3.5	17.2	2.4	19.9	1.5	15.1	2.45	20.3	1.1	24.2	0.7
75	14.8	5.7	17.0	4.0	18.5	2.95	16.6	3.5	20.3	2.25	22.8	1.5	18.5	2.1	23.5	1.0	27.1	0.68
73	16.7	5.2	18.8	3.85	20.3	2.9	18.8	3.5	22.3	2.15	24.7	1.5	20.7	1.9	25.6	0.97	29.1	0.67
70	19.4	4.35	21.5	3.55	22.9	2.8	22.0	3.3	25.2	2.0	27.4	1.5	24.1	1.7	28.7	0.91	31.9	0.66
68	21.2	3.85	23.2	3.2	24.5	2.75	23.9	3.0	27.0	1.9	29.1	1.47	26.2	1.55	30.7	0.88	33.7	0.65
65	23.8	3.3	25.7	2.75	26.9	2.5	26.7	2.5	29.8	1.8	31.6	1.42	29.3	1.4	33.6	0.84	36.3	0.64
63	25.4	2.95	27.3	2.5	28.5	2.3	28.5	2.25	31.5	1.75	33.3	1.4	31.3	1.3	35.5	0.81	37.9	0.63
60	27.9	2.55	29.7	2.2	30.7	2.05	31.2	1.95	34.1	1.6	35.6	1.35	34.3	1.2	38.2	0.78	40.3	0.62
58	29.4	2.3	31.2	2.0	32.1	1.85	32.9	1.75	35.6	1.45	37.1	1.34	36.2	1.15	39.9	0.76	41.8	0.62
55	31.7	1.85	33.3	1.7	34.2	1.65	35.3	1.5	37.9	1.25	39.1	1.2	39.0	1.05	42.4	0.73	44.0	0.62
53	33.1	1.6	34.7	1.5	35.4	1.45	36.9	1.35	39.4	1.15	40.5	1.1	40.7	1.0	44.0	0.72	45.2	0.62
50	35.2	1.2	36.6	1.1	37.2	1.05	39.2	1.05	41.5	0.95	42.3	0.85	43.2	0.9	45.9	0.7	47.0	0.62
48	36.5	0.9	37.8	0.8	38.4	0.75	40.5	0.75	42.7	0.65			44.7	0.7	46.8	0.55		
45	38.3	0.5																
θ (°)	44 ~ 82		47 ~ 82		47 ~ 82		47 ~ 82		47 ~ 82		49 ~ 82		47 ~ 82		47 ~ 82		49 ~ 82	

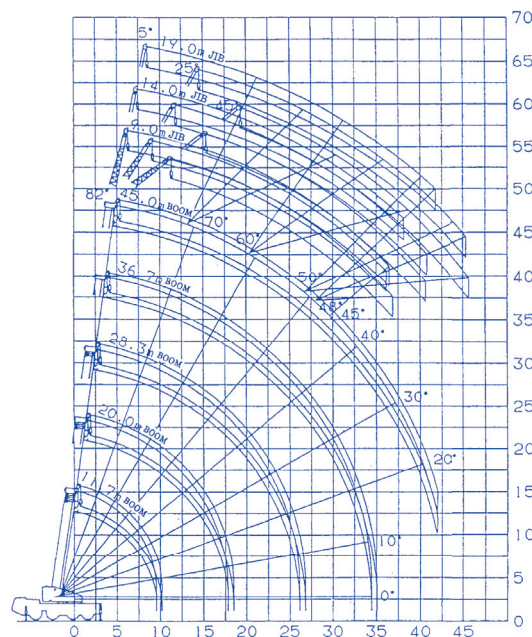
B = Working radius
D = Jib offset
M = Total rated loads

(ระยะห่างจากจุดยก)
(มุมมองสายของจิบ)
(อัตรารับน้ำหนัก)

C = Jib length
E = Boom angle
θ = Boom angle range

(ขนาดความยาวของจิบ)
(มุมมองสายของบูม)
(for the unladen condition) (มุมมองสาย)

WORKING RADIUS - LIFTING HEIGHT



WORKING RADIUS (m)

LIFTING HEIGHT (m)