

TADANO TL-250M-5 HYDRAULIC CRANE

CHART 1

TOTAL RATED LOAD IN KILOGRAMS

THIS DOCUMENT SHOULD BE READ IN CONJUNCTION WITH THE A.M.L

OUTRIGGERS FULLY EXTENDED WITH FRONT JACK DOWN (360°)

A B	33.0m + 8.7m JIB							33.0m + 14.5m JIB													
	10.5m	14.2m	18.0m	21.7m	25.5m	29.2m	33.0m	5°		25°		45°		5°		25°		45°			
3.0	25,000	20,000	16,000					80	7.9	3,000	10.7	1,700	12.5	1,000	9.9	2,000	14.2	900	17.5	600	
3.5	25,000	20,000	16,000	12,000				77	10.2	3,000	12.9	1,700	14.5	1,000	12.6	2,000	16.6	900	19.6	600	
4.0	22,900	20,000	16,000	12,000	11,500			76	11.0	3,000	13.6	1,700	15.2	1,000	13.4	1,850	17.4	900	20.3	600	
4.5	21,000	20,000	16,000	12,000	11,500			75	11.6	3,000	14.3	1,670	15.8	960	14.2	1,740	18.1	870	21.0	570	
5.0	19,400	18,400	16,000	12,000	11,500	9,000		70	15.2	2,200	17.6	1,440	18.9	860	18.2	1,350	21.9	800	24.4	530	
5.5	17,700	16,800	14,750	12,000	11,500	9,000	7,000	65	18.5	1,750	20.8	1,250	21.9	800	21.9	1,100	25.4	720	27.5	490	
6.0	16,200	15,300	13,700	12,000	11,500	9,000	7,000	60	21.7	1,400	23.7	1,100	24.7	750	25.5	900	28.7	640	30.3	460	
7.0	13,700	12,650	11,950	11,000	10,000	9,000	7,000	55	24.6	1,100	26.5	950	27.2	700	28.9	730	31.7	560	33.0	430	
8.0	11,400	10,650	10,550	10,200	8,900	8,200	7,000	50	27.3	700	29.0	650	29.5	600	31.9	550	34.4	450	35.3	400	
9.0		8,850	8,750	9,200	8,050	7,450	6,250	46	29.3	450	30.8	450	31.1	400	34.1	350	36.4	300	36.9	250	
10.0		7,200	7,100	7,500	7,300	6,750	5,700	45	29.8	400	31.2	400	31.5	350	34.6	300	36.8				
12.0		5,000			5,600	5,650	4,800	42	31.2	250	32.4	250									
14.0			3,500	3,850	4,150	4,300	4,100	θ (°)		41~80		44~80		44~80		45~80					
16.0			2,500	2,850	3,150	3,800	3,400														
18.0				2,150	2,400	2,550	2,650														
20.0				1,600	1,850	2,000	2,100														
22.0					1,400	1,550	1,650														
24.0						1,200	1,300														
26.0						900	1,000														
28.0							750														
30.0							500														

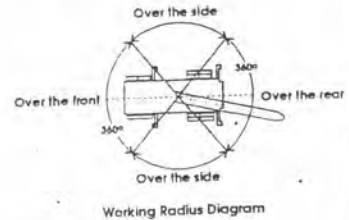
360° : Outriggers fully extended (6.1m) + Front jack
 Over the sides : Outriggers fully extended (6.1m)
 Over the rear : Outriggers fully extended (6.1m)
 Outriggers middle extended (4.0m)
 Outriggers minimum extended (2.08m)
 Over the front : Outriggers fully extended (6.1m) + Front jack
 Outriggers middle extended (4.0m) + Front jack

NOTES:

- These capacities are based on condition that crane is set on firm ground horizontally. Those above bold lines are based on crane strength and those below, on its stability.
- Total rated loads below bold lines do not exceed 75% of tipping load.
- When the front jack is used, the total rated loads for the "Over sides and rear" are applicable even when within the front area.
- The weight of the hook (280kg for 25,000kg capacity, 60kg for the 3,400kg capacity), slings and all similarly used load handling devices must be added to the weight of the load.
- Standard number of part lines for each boom length is as shown below. Load per line should not surpass 3,400kg, on the auxiliary hoist and 3,200kg, on the main hoist.

BOOM LENGTH	10.5m	14.2m	18.0m	21.7m	25.5m	29.2m	33.0m	Single Top
No. of Part Lines	8	7	7	4	4	4	4	1

- A : BOOM LENGTH
- B : WORKING RADIUS (m)
- C : BOOM AND JIB LENGTHS
- D : JIB OFFSET
- E : PERMITTED LOAD
- \angle : BOOM ANGLE



6.0 For total rated load of single top, reduce load shown in following table from relevant total rated load. Total rated loads of single top should not exceed 3,400kg.

Boom Length	10.5m	14.2m	18.0m	21.7m	25.5m	29.2m	33.0m
Load Reduction	0kg	100kg	100kg	200kg	200kg	250kg	250kg

- Free fall operation should be performed without any load on the hook.
- 1,850kg shall be subtracted from the rated lifting loads of the main boom, when the jib is attached to main boom head.
- Special weather caution: Refer to the operation and maintenance manual.
- Refer manufacturers manuals

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