

TADANO TR-250M-5 HYDRAULIC ROUGH TERRAIN CRANE

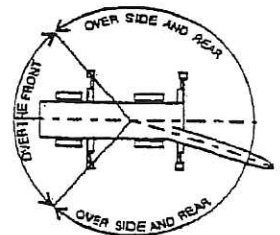
TOTAL RATED LOAD IN KILOGRAMS

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

1. OUTRIGGERS FULLY EXTENDED (6.3m) - 360°												
A (m) B (m)	9.5m	16.5m	23.5m	30.5m	C		8.0m			13.0m		
					D	E	5°	25°	45°	5°	25°	45°
2.5	25.0	19.0	12.5		83°	3.0	2.1	1.6	2.0	1.2	0.8	
3.0	25.0	19.0	12.5	7.0	76°	3.0	2.1	1.6	2.0	1.2	0.8	
3.5	25.0	19.0	12.5	7.0	72°	3.0	2.1	1.6	1.75	1.1	0.8	
4.0	23.0	19.0	12.5	7.0	70°	2.8	2.1	1.6	1.65	1.05	0.8	
4.5	21.2	18.0	12.5	7.0	65°	2.35	1.8	1.5	1.4	0.95	0.78	
5.0	19.4	16.7	12.5	7.0	60°	2.0	1.55	1.35	1.2	0.9	0.75	
5.5	17.8	15.6	11.75	7.0	55°	1.45	1.35	1.2	1.05	0.85	0.74	
6.0	16.3	14.6	11.1	7.0	50°	1.05	1.0	0.95	0.85	0.75	0.7	
6.5	15.1	13.8	10.5	7.0	45°	0.75	0.7	0.7	0.6	0.55	0.55	
7.0	13.7	13.0	10.0	7.0	40°	0.55	0.5		0.4	0.4		
8.0		10.55	9.0	7.0	35°	0.38	0.35					
9.0		8.65	8.2	6.3								
10.0		7.05	7.3	5.8								
11.0		5.85	6.4	5.3								
12.0		4.95	5.5	4.9								
13.0		4.2	4.75	4.5								
14.0		3.6	4.1	4.15								
15.0			3.6	3.8								
16.0			3.15	3.45								
17.0			2.8	3.05								
18.0			2.45	2.7								
19.0			2.15	2.45								
20.0			1.9	2.2								
21.0			1.7	1.95								
22.0				1.75								
24.0				1.4								
26.0				1.15								
28.0				0.95								

A = Boom Length
 B = Working Radius
 C = Jib Length
 D = Jib Offset
 E = Boom Angle

Extended Width	Middle Extended (5.0m)	Middle Extended (3.6m)	Minimum Extended
Angle a°	25	15	5



PRECAUTIONS TO BE TAKEN WHEN THE OUTRIGGERS ARE EXTENDED:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. Total rated loads below bold lines do not exceed 75% of tipping load.
3. The weights of slings and hooks (main winch hook: 260kg, intermediate hook: 170kg, auxiliary winch: 60kg) are included in the total rated loads shown.
4. The total rated load is based on the actual working radius including the deflection of the boom.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 3.2t for the main winch and 3.0t for the auxiliary winch.

BOOM LENGTH	9.5m	16.5m	23.5m	30.5m	JIB / SINGLE TOP
NO. OF PART LINES	8	6	4	4	1

6. As a rule, free-fall operation should be performed only when lowering the hook alone. If a hoisted load must be lowered by free-fall operation, the load must be kept below 1/5th of the total rated load and sudden braking operations must be avoided.
7. The total rated load for the single top shall be the value obtained by subtracting 200kg from the total rated load of the boom and must not exceed 3.0t.
8. The hoisting performance for the "Over sides" range will differ according to the extended width of the outriggers. Operations should be performed in accordance with the performance corresponding to the extended width. Also, although the hoisting performances for the "Over front" and "Over rear" ranges are equivalent to those of the "outriggers fully extended" condition, the front and rear ranges (angle a) will differ according to the width to which the outriggers are extended in the left and right directions.
9. Special weather caution: Refer to Operators Manual.
10. Refer to Crane Manual.