



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

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# Load Chart

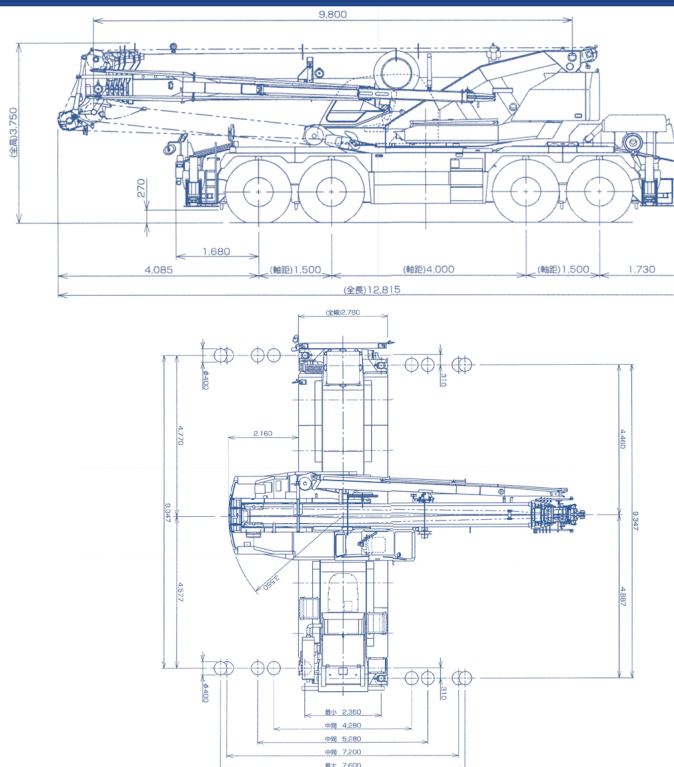


**FOR ROUGH TERRAIN CRANE 70 TONS  
MODEL : TADANO GR - 600 N - 2**

## CRANE SPECIFICATIONS

|                     |                     |                                                                   |
|---------------------|---------------------|-------------------------------------------------------------------|
| Max. Lifting Height | 60 ton (60,000 kg.) | Working Radius 2.8 m.                                             |
| Boom                | Boom Section        | 7 Sections                                                        |
|                     | Length              | 9.8 / 16.6 / 23.5 / 30.3 / 37.2 / 41.2 / 44 m.                    |
|                     | Jib 2               | 8 / 12.7 m.                                                       |
| Dimensions          | Length              | 12.815 m.                                                         |
|                     | Width               | 2.78 m.                                                           |
|                     | Height              | 3.75 m.                                                           |
| Wire Rope           | Main Winch          | 18 mm. X 238 m. (Diameter x Length)<br>Spin - resistant wire rope |
|                     | Auxiliary Winch     | 18 mm. X 123 m. (Diameter x Length)<br>Spin - resistant wire rope |
| Outriggers          | 3 Stages            | Full extended width 7.6 m.                                        |
|                     |                     | Middle extended width 7.2 m., 5.28 m., 4.28 m.                    |
|                     |                     | Minimum extended width 2.57 m.                                    |
| Tires               | Front               | 385/95R25 170 E ROAD                                              |
|                     | Rear                | 385/95R25 170 E ROAD                                              |
| Weights             | Gross Weight        | Total 41,295 kg.                                                  |
|                     |                     | Front 20,520 kg.                                                  |
|                     |                     | Rear 20,775 kg.                                                   |
|                     |                     |                                                                   |

## DIMENSIONS (1/100)



| TOTAL RATED LOADS                |           |       |           |       |       |         | Unit : ton |
|----------------------------------|-----------|-------|-----------|-------|-------|---------|------------|
| Outriggers fully extended (7.6m) |           |       |           |       |       |         | -360° -    |
| A<br>B (m)                       | 9.8m      | 16.6m | 23.5m     | 30.3m | 37.2m | 41.2m   | 44.0m      |
| 2.8 m                            | 60.0      | 32.0  | 24.0      | 12.5  |       |         |            |
| 3.0 m                            | 56.5      | 32.0  | 24.0      | 12.5  |       |         |            |
| 3.5 m                            | 51.9      | 32.0  | 24.0      | 12.5  | 12.0  |         |            |
| 4.0 m                            | 48.6      | 32.0  | 24.0      | 12.5  | 12.0  | 10.0    |            |
| 4.5 m                            | 44.3      | 32.0  | 24.0      | 12.5  | 12.0  | 10.0    | 8.0        |
| 5.0 m                            | 39.5      | 32.0  | 24.0      | 12.5  | 12.0  | 10.0    | 8.0        |
| 5.5 m                            | 35.7      | 32.0  | 24.0      | 12.5  | 12.0  | 10.0    | 8.0        |
| 6.0 m                            | 32.5      | 31.3  | 22.9      | 12.5  | 12.0  | 10.0    | 8.0        |
| 6.5 m                            | 29.5      | 29.1  | 21.4      | 12.5  | 12.0  | 10.0    | 8.0        |
| 7.0 m                            |           | 26.5  | 20.1      | 12.5  | 12.0  | 10.0    | 8.0        |
| 8.0 m                            |           | 22.2  | 17.9      | 12.5  | 12.0  | 10.0    | 8.0        |
| 9.0 m                            |           | 17.9  | 16.0      | 12.5  | 12.0  | 10.0    | 8.0        |
| 10.0 m                           |           | 14.7  | 13.7      | 12.5  | 12.0  | 10.0    | 8.0        |
| 11.0 m                           |           | 12.2  | 11.8      | 12.3  | 11.1  | 10.0    | 8.0        |
| 12.0 m                           |           | 10.1  | 9.9       | 10.4  | 10.3  | 9.4     | 8.0        |
| 13.0 m                           |           | 8.55  | 8.35      | 9.2   | 9.55  | 8.75    | 7.8        |
| 14.0 m                           |           |       | 7.2       | 8.1   | 8.4   | 8.1     | 7.55       |
| 16.0 m                           |           |       | 5.3       | 6.15  | 6.5   | 6.6     | 6.7        |
| 18.0 m                           |           |       | 3.9       | 4.75  | 5.3   | 5.4     | 5.3        |
| 20.0 m                           |           |       | 2.9       | 3.7   | 4.2   | 4.45    | 4.5        |
| 22.0 m                           |           |       |           | 2.85  | 3.35  | 3.6     | 3.7        |
| 24.0 m                           |           |       |           | 2.15  | 2.65  | 2.9     | 3.05       |
| 26.0 m                           |           |       |           | 1.55  | 2.1   | 2.3     | 2.35       |
| 27.0 m                           |           |       |           | 1.3   | 1.85  | 2.0     | 2.1        |
| 28.0 m                           |           |       |           |       | 1.6   | 1.75    | 1.85       |
| 30.0 m                           |           |       |           |       | 1.1   | 1.35    | 1.45       |
| 32.0 m                           |           |       |           |       | 0.75  | 1.0     | 1.1        |
| 33.0 m                           |           |       |           |       | 0.6   | 0.8     | 0.95       |
| 34.0 m                           |           |       |           |       |       | 0.65    | 0.8        |
| 35.0 m                           |           |       |           |       |       | 0.5     | 0.65       |
| 36.0 m                           |           |       |           |       |       |         | 0.5        |
| a (°)                            | 0 ~ 84    |       |           |       |       | 23 ~ 84 | 31 ~ 84    |
| F                                | 60 t hook |       | 25 t hook |       |       |         |            |

A = Boom length (ความยาวของบูม)  
 B = Working radius (ระยะห่างจากจุดดัด)  
 F = Standard hook (รอกมาตรฐาน)  
 a = Boom angle range (for the unladen condition) (มุมองศา)

**TOTAL RATED LOADS FOR JIB**

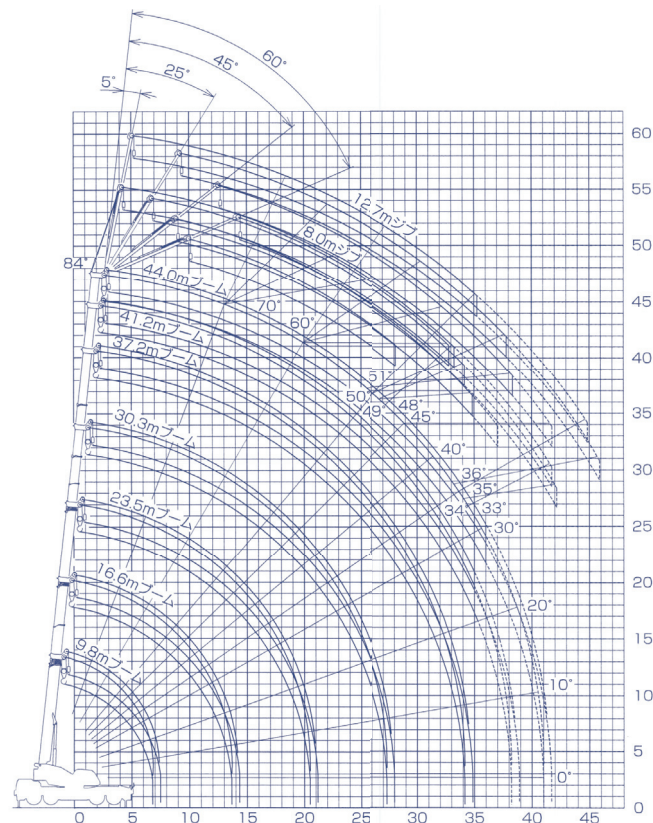
Unit : ton

Outriggers fully extended (7.6m)

-360° -

| C<br>D<br>B (°) | 44.0 m + 8.0 m |      |       |      |       |      |       |      | 44.0 m + 12.7 m |      |       |      |       |      |       |      |
|-----------------|----------------|------|-------|------|-------|------|-------|------|-----------------|------|-------|------|-------|------|-------|------|
|                 | 5°             |      | 25°   |      | 45°   |      | 60°   |      | 5°              |      | 25°   |      | 45°   |      | 60°   |      |
|                 | M              | T    | M     | T    | M     | T    | M     | T    | M               | T    | M     | T    | M     | T    | M     | T    |
| 84              | 6.4            | 4.0  | 9.1   | 3.4  | 10.8  | 2.1  | 11.5  | 1.25 | 7.7             | 2.6  | 12.0  | 2.0  | 14.6  | 1.1  | 15.8  | 0.6  |
| 80              | 10.5           | 4.0  | 12.9  | 3.0  | 14.5  | 2.05 | 14.8  | 1.2  | 12.0            | 2.6  | 16.1  | 1.8  | 18.5  | 1.1  | 19.3  | 0.57 |
| 76              | 14.6           | 4.0  | 16.6  | 2.65 | 18.1  | 2.0  | 18.2  | 1.15 | 16.6            | 2.6  | 20.2  | 1.65 | 22.1  | 1.05 | 22.7  | 0.55 |
| 74              | 16.5           | 3.8  | 18.3  | 2.5  | 19.8  | 1.9  | 19.8  | 1.15 | 18.7            | 2.6  | 22.1  | 1.55 | 23.9  | 1.05 | 24.4  | 0.55 |
| 72              | 18.3           | 3.5  | 20.2  | 2.4  | 21.4  | 1.85 | 21.5  | 1.15 | 20.8            | 2.5  | 24.1  | 1.5  | 25.6  | 1.0  | 26.0  | 0.55 |
| 70              | 20.0           | 3.2  | 21.9  | 2.3  | 23.1  | 1.75 | 23.1  | 1.15 | 22.7            | 2.35 | 26.0  | 1.45 | 27.3  | 1.0  | 27.6  | 0.55 |
| 68              | 21.7           | 2.9  | 23.4  | 2.1  | 24.7  | 1.7  | 24.6  | 1.15 | 24.5            | 2.1  | 27.7  | 1.35 | 28.9  | 0.98 | 29.1  | 0.55 |
| 65              | 24.2           | 2.6  | 25.9  | 1.95 | 26.9  | 1.6  | 26.8  | 1.1  | 27.3            | 1.9  | 30.3  | 1.3  | 31.2  | 0.95 | 34.3  | 0.54 |
| 60              | 27.8           | 1.9  | 29.6  | 1.7  | 30.4  | 1.5  | 30.2  | 1.1  | 31.3            | 1.55 | 34.1  | 1.1  | 34.8  | 0.92 | 34.8  | 0.53 |
| 55              | 31.1           | 1.15 | 32.7  | 1.05 | 33.4  | 1.05 |       |      | 34.8            | 0.99 | 37.5  | 0.85 | 38.0  | 0.8  |       |      |
| 53              | 32.3           | 0.9  | 33.9  | 0.84 | 34.4  | 0.83 |       |      | 36.1            | 0.74 | 38.7  | 0.66 | 39.2  | 0.62 |       |      |
| 51              | 33.6           | 0.68 | 35.0  | 0.63 | 35.5  | 0.62 |       |      | 37.3            | 0.52 | 39.5  | 0.46 | 40.2  | 0.44 |       |      |
| 50              | 34.2           | 0.59 | 35.6  | 0.52 | 36.0  | 0.52 |       |      | 38.0            | 0.42 | 40.0  | 0.37 |       |      |       |      |
| 49              | 34.8           | 0.49 | 36.2  | 0.42 | 36.6  | 0.42 |       |      |                 |      |       |      |       |      |       |      |
| 48              | 35.4           | 0.4  |       |      |       |      |       |      |                 |      |       |      |       |      |       |      |
| A (°)           | 47~84          |      | 48~84 |      | 59~84 |      | 59~84 |      | 49~84           |      | 50~84 |      | 50~84 |      | 59~84 |      |

M = Working radius (ระยะห่างจากจุดยก) C = Jib length (รถมาตรฐาน) D = Jib offset  
 B = Boom angle (°) F = Standard hook (จำนวนรอบสลิง) T = Total rated load  
 H = No. of part - line (จำนวนรอบสลิง) T = Total rated load  
 A = Boom angle range (for the unladen condition) (มุมองศา)

**WORKING RADIUS - LIFTING HEIGHT**


LIFTING HEIGHT (m)

WORKING RADIUS (m)