ZOOMLION

Zoomlion Heavy Industry Science & Technology Co.,Ltd.
Add: Zoomlion Overseas Building, No.613, 3rd Section, Furong Middle Road, Yuhua District, Changsha, Hunan, P.R.China 410205

Copyright ©2016 Zoomlion, All rights reserved. Reproduction and copying of any part of the contents is not allowed for any purposes without Zoomlion's written approval.
Note: No product coating appearance shall be subject to sample.

Printed in China \N: EN-MC-20160401

# ROUGH-TERRAIN CRANE

# RT100




ZOOMLION

en.zoomlion.com

# ZOOMLION Rough Terrain Crance

## Maneuverable and robust drive

1. Four-wheel drive and fuor-wheel steer chassis;
2. Fully hydraulic steering system;
3. Variable steering modes, front-wheel steer, four-wheel steer and crab steer; Short vehicle length and small turning radius provide the crane with maximum maneuverability and flexibility in narrow job sites.

## Excellent off-road capability

Big ground clearance and departure/approach angle offer excellent off-road capability.

## Strong gradeability

Cummins electronically-controlled engine, automated transmission and steerable drive axles provide reliable power output. Even in the condition of abrupt road resistance, the engine can also be functional. Four-wheel drive, hydraulic suspension and special tires optimize the vehicle's dirve performance to its maximum, suitable for any bad roads and job sites.

## Pick-and-carry operations

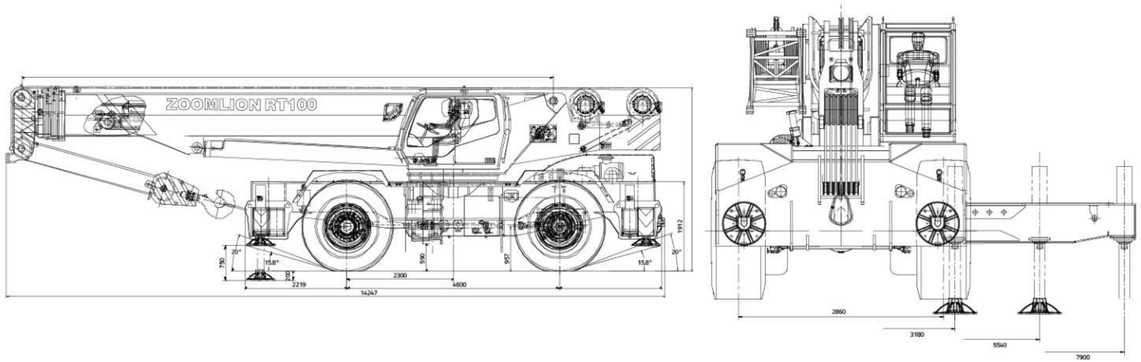
1. The rough terrain crane has the ability to pick and carry loads, thus improves the working efficiency greatly.
2. The crane can also carry out "On tires" Lifts without extending the outrigger beams in narrow job sites.
3. Superior pick-and-carry ability during short-distance transit can bring great convenience to the users.

## Single cab design

1. Single cab design with large skylight provides large field of view;
2. Air-cushioned seat suits to all types of figures, which can release the driver's or operator's fatigue, thus improves the working effciency;
3. The crane is fitted with air conditioning, suitable for all-weather work;
4. Digital dispaly and keyboard units, advanced data bus technology, error check and audible & acoustic alarm ensure the safety and high effciency of the operation.



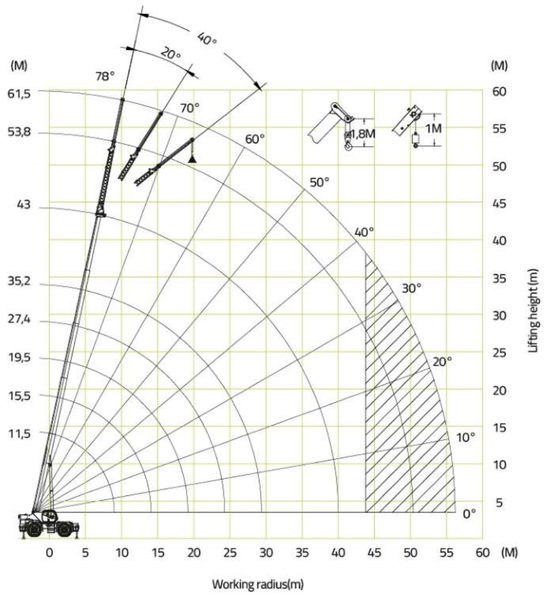
# Overall View (Unit: Metric mm)



## Technical Data

| Item | | | Value |
|---|---|---|---|
| Work performance | Max. rated lift capacity × work radius | kg.m | 100000×3.0 |
| | Max. load moment of basic boom | kN.m | 3339 |
| | Max. load moment of fully extended main boom | kN.m | 1388 |
| | Max. lift height of fully extended main boom | m | 45.6 |
| | Max. lift height of jib | m | 63 |
| Dimensions | Overall dimensions (L × W × H) | mm | 14247×3620×3960 |
| | Outrigger spread (L × W) | mm | 8000×7900 |
| | Main boom length (Fully retracted fully extended) | mm | 10800 - 43000 |
| | Jib length (Jib section 1, jib sections 1+2) | mm | 10000 - 17000 |
| | Boom angle | ° | -3 ~ 78 |
| | Swing range | | 360°<br>360° unlimited swing<br>(Full range) |
| Work speeds | Max. hoist rope speed (Main winch) | m/min | 126 |
| | Min. boom extend time | s | 170 |
| | Min. boom retract time | s | 158 |
| | Min. boom derrick up time | s | 82 |
| | Min. boom derrick down time | s | 69 |
| | Swing speed | r/min | 0-1.5 |
| Hydraulic system | Rate work pressure | MPa | 30 |
| | Rate work oil flow | L/min | 500 |
| | Hydraulic oil tank capacity | L | 1200 |
| Mass | Complete vehicle mass | kg | 65000 |
| | Front axle load | kg | 33200 |
| | Rear axle load | kg | 31800 |
| Travel | Max. travel speed (Forwards/backwards) | km/h | 24/15 |
| | Wheelbase | mm | 4600 |
| | Treads (Front/rear) | mm | 2860 |

## Lifting Height Curve




## Lifting Capacity Tables

On Outriggers-Fully Extended

| Boom | 11500mm | | | | 15513mm | | | | 19525mm | | | | 23438mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) |
| 3000 | 68.4 | 100000 | 100000 | 3000 | 74.3 | 80500 | 80500 | | | | | | | | |
| 3500 | 65.6 | 96750 | 96750 | 3500 | 72.3 | 80500 | 80500 | | | | | | | | |
| 4000 | 62.7 | 84550 | 84550 | 4000 | 70.3 | 80500 | 80500 | 4000 | 74.6 | 56300 | 56300 | | | | |
| 4500 | 59.7 | 74250 | 74250 | 4500 | 68.3 | 72350 | 72350 | 4500 | 73.0 | 54000 | 54000 | 4500 | 75.9 | 42140 | 42140 |
| 5000 | 56.6 | 66050 | 66050 | 5000 | 66.3 | 64400 | 64400 | 5000 | 71.4 | 51900 | 51900 | 5000 | 74.7 | 40540 | 40540 |
| 5500 | 53.4 | 59350 | 59350 | 5500 | 64.2 | 57850 | 57850 | 5500 | 69.9 | 49900 | 49900 | 5500 | 73.4 | 39040 | 39040 |
| 6000 | 50.0 | 53750 | 53750 | 6000 | 62.0 | 52430 | 52430 | 6000 | 68.3 | 48100 | 48100 | 6000 | 72.1 | 37640 | 37640 |
| 6500 | 46.4 | 48970 | 48970 | 6500 | 59.8 | 47830 | 47830 | 6500 | 66.6 | 44850 | 44850 | 6500 | 70.8 | 36340 | 36340 |
| 7000 | 42.5 | 44910 | 44910 | 7000 | 57.6 | 43840 | 43840 | 7000 | 65.0 | 41300 | 41300 | 7000 | 69.5 | 35140 | 35140 |
| 7500 | 38.2 | 41380 | 41380 | 7500 | 55.3 | 40440 | 40430 | 7500 | 63.3 | 38150 | 38150 | 7500 | 68.1 | 33990 | 33990 |
| 8000 | 33.3 | 38330 | 38320 | 8000 | 52.9 | 37420 | 37420 | 8000 | 61.6 | 35400 | 35380 | 8000 | 66.8 | 32940 | 32940 |
| 9000 | 19.8 | 33190 | 33190 | 9000 | 47.8 | 32390 | 32370 | 9000 | 58.1 | 30750 | 30750 | 9000 | 64.0 | 30740 | 30740 |
| 9387 | 0.0 | 16270 | 16270 | 10000 | 42.2 | 28390 | 27260 | 10000 | 54.5 | 27020 | 25280 | 10000 | 61.2 | 27180 | 25360 |
| | | | | 11000 | 35.9 | 24240 | 22540 | 11000 | 50.6 | 22670 | 21030 | 11000 | 58.3 | 22860 | 21270 |
| | | | | 12000 | 28.1 | 20460 | 18970 | 12000 | 46.5 | 19200 | 17760 | 12000 | 55.3 | 19500 | 18100 |
| | | | | 13389 | 0.0 | 9960 | 9960 | 14000 | 37.2 | 14290 | 13120 | 14000 | 48.9 | 14700 | 13550 |
| | | | | | | | | 16000 | 24.7 | 11010 | 11030 | 16000 | 41.7 | 11440 | 10470 |
| | | | | | | | | 17395 | 0.0 | 6200 | 6200 | 18000 | 33.2 | 9100 | 8260 |
| | | | | | | | | | | | | 20000 | 21.6 | 7390 | 6650 |
| | | | | | | | | | | | | 21303 | 0.0 | 4610 | 4610 |

On Outriggers-Fully Extended

| Boom | 27350mm | | | 31260mm | | | | 35175mm | | | | 39088mm | | | | 43000mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | Fornt (kg) | 360° (kg) |
| 5500 | 75.8 | 32490 | 32490 | | | | | | | | | | | | | | | | |
| 6000 | 74.7 | 31390 | 31390 | | | | | | | | | | | | | | | | |
| 6500 | 73.6 | 30340 | 30340 | | | | | | | | | | | | | | | | |
| 7000 | 72.5 | 29390 | 29390 | 7000 | 74.8 | 25090 | 25090 | | | | | | | | | | | | |
| 7500 | 71.4 | 28490 | 28490 | 7500 | 73.8 | 24390 | 24390 | | | | | | | | | | | | |
| 8000 | 70.3 | 27640 | 27640 | 8000 | 72.9 | 23690 | 23690 | 8000 | 74.8 | 18890 | 18890 | | | | | | | | |
| 9000 | 68.0 | 26090 | 26090 | 9000 | 70.9 | 22490 | 22490 | 9000 | 73.1 | 18040 | 18040 | 9000 | 74.9 | 14240 | 14240 | | | | |
| 10000 | 65.7 | 24740 | 24740 | 10000 | 69.0 | 21340 | 21340 | 10000 | 71.4 | 17290 | 17290 | 10000 | 73.3 | 13590 | 13590 | 10000 | 74.9 | 9740 | 9740 |
| 11000 | 63.3 | 22470 | 20960 | 11000 | 66.9 | 20340 | 19850 | 11000 | 69.7 | 16590 | 16590 | 11000 | 71.8 | 12990 | 12990 | 11000 | 73.5 | 9290 | 9290 |
| 12000 | 60.9 | 19340 | 17990 | 12000 | 64.9 | 18500 | 17230 | 12000 | 67.9 | 15940 | 15940 | 12000 | 70.2 | 12440 | 12440 | 12000 | 72.1 | 8890 | 8890 |
| 14000 | 55.9 | 14800 | 13690 | 14000 | 60.7 | 14400 | 13350 | 14000 | 64.3 | 13870 | 12890 | 14000 | 67.1 | 11490 | 11490 | 14000 | 69.3 | 8140 | 8140 |
| 16000 | 50.5 | 11670 | 10720 | 16000 | 56.3 | 11520 | 10620 | 16000 | 60.6 | 11250 | 10400 | 16000 | 63.8 | 10690 | 10210 | 16000 | 66.4 | 7540 | 7540 |
| 18000 | 44.6 | 9380 | 8560 | 18000 | 51.7 | 9380 | 8590 | 18000 | 56.7 | 9280 | 8530 | 18000 | 60.4 | 9150 | 8420 | 18000 | 63.4 | 6990 | 6990 |
| 20000 | 38.0 | 7650 | 6930 | 20000 | 46.7 | 7730 | 7030 | 20000 | 52.6 | 7740 | 7070 | 20000 | 56.9 | 7670 | 7020 | 20000 | 60.3 | 6490 | 6490 |
| 22000 | 30.1 | 6310 | 5660 | 22000 | 41.3 | 6430 | 5800 | 22000 | 48.3 | 6510 | 5900 | 22000 | 53.3 | 6480 | 5890 | 22000 | 57.2 | 6090 | 5970 |
| 24000 | 19.2 | 5280 | 4690 | 24000 | 35.1 | 5390 | 4820 | 24000 | 43.6 | 5510 | 4950 | 24000 | 49.5 | 5510 | 4960 | 24000 | 53.9 | 5580 | 5040 |
| 25213 | 0.0 | 3490 | 3490 | 26000 | 27.6 | 4550 | 4020 | 26000 | 38.5 | 4670 | 4160 | 26000 | 45.4 | 4690 | 4190 | 26000 | 50.4 | 4760 | 4260 |
| | | | | 28000 | 17.2 | 3890 | 3390 | 28000 | 32.6 | 3970 | 3500 | 28000 | 41.0 | 4000 | 3540 | 28000 | 46.8 | 4070 | 3610 |
| | | | | 29123 | 0.0 | 2630 | 2630 | 30000 | 25.6 | 3390 | 2950 | 30000 | 36.1 | 3420 | 2980 | 30000 | 42.9 | 3480 | 3050 |
| | | | | | | | | 32000 | 15.5 | 2930 | 2510 | 32000 | 30.6 | 2920 | 2510 | 32000 | 38.8 | 2970 | 2570 |
| | | | | | | | | 33034 | 0.0 | 1990 | 1990 | 34000 | 23.8 | 2510 | 2120 | 34000 | 34.1 | 2540 | 2150 |
| | | | | | | | | | | | | 36000 | 14.1 | 2180 | 1810 | 36000 | 28.8 | 2160 | 1800 |
| | | | | | | | | | | | | 36945 | 0.0 | 1460 | 1460 | 38000 | 22.3 | 1840 | 1500 |
| | | | | | | | | | | | | | | | | 40000 | 12.8 | 1600 | 1270 |
| | | | | | | | | | | | | | | | | 40856 | 0.0 | 1010 | 1010 |

On Outriggers-Mid Position

| Boom | 11500mm | | 15513mm | | | 19525mm | | | 23438mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) |
| 3000 | 68.4 | 100000 | 3000 | 74.3 | 80500 | | | | | | |
| 3500 | 65.6 | 90150 | 3500 | 72.3 | 80500 | | | | | | |
| 4000 | 62.7 | 77900 | 4000 | 70.3 | 75690 | 4000 | 74.6 | 56300 | | | |
| 4500 | 59.7 | 68350 | 4500 | 68.3 | 66500 | 4500 | 73.0 | 54000 | | | |
| 5000 | 56.6 | 60700 | 5000 | 66.3 | 59150 | 5000 | 71.4 | 51900 | 5000 | 74.7 | 40540 |
| 5500 | 53.4 | 53570 | 5500 | 64.2 | 51090 | 5500 | 69.9 | 44580 | 5500 | 73.4 | 39040 |
| 6000 | 50.0 | 44280 | 6000 | 62.0 | 42350 | 6000 | 68.3 | 37540 | 6000 | 72.1 | 36500 |
| 6500 | 46.4 | 37480 | 6500 | 59.8 | 35910 | 6500 | 66.6 | 32200 | 6500 | 70.8 | 31590 |
| 7000 | 42.5 | 32300 | 7000 | 57.6 | 30970 | 7000 | 65.0 | 28010 | 7000 | 69.5 | 27690 |
| 7500 | 38.2 | 28210 | 7500 | 55.3 | 27050 | 7500 | 63.3 | 24640 | 7500 | 68.1 | 24520 |
| 8000 | 33.3 | 24900 | 8000 | 52.9 | 23880 | 8000 | 61.6 | 21860 | 8000 | 66.8 | 21890 |
| 9000 | 19.8 | 19890 | 9000 | 47.8 | 19040 | 9000 | 58.1 | 17560 | 9000 | 64.0 | 17780 |
| 9387 | 0.0 | 16270 | 10000 | 42.2 | 15530 | 10000 | 54.5 | 14380 | 10000 | 61.2 | 14720 |
| | | | 11000 | 35.9 | 12880 | 11000 | 50.6 | 11940 | 11000 | 58.3 | 12360 |
| | | | 12000 | 28.1 | 10810 | 12000 | 46.5 | 10020 | 12000 | 55.3 | 10470 |
| | | | 13389 | 0.0 | 8730 | 14000 | 37.2 | 7170 | 14000 | 48.9 | 7670 |
| | | | | | | 16000 | 24.7 | 5210 | 16000 | 41.7 | 5700 |
| | | | | | | 17395 | 0.0 | 4330 | 18000 | 33.2 | 4250 |
| | | | | | | | | | 20000 | 21.6 | 3180 |
| | | | | | | | | | 21303 | 0.0 | 2780 |

On Outriggers-Mid Position

| Boom | 27350mm | | 31263mm | | | 35175mm | | | 39088mm | | | 43000mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) |
| 6000 | 74.7 | 31390 | | | | | | | | | | | | |
| 6500 | 73.6 | 29820 | | | | | | | | | | | | |
| 7000 | 72.5 | 26400 | 7000 | 74.8 | 23910 | | | | | | | | | |
| 7500 | 71.4 | 23590 | 7500 | 73.8 | 21590 | | | | | | | | | |
| 8000 | 70.3 | 21220 | 8000 | 72.9 | 19620 | 8000 | 74.8 | 18010 | | | | | | |
| 9000 | 68.0 | 17480 | 9000 | 70.9 | 16420 | 9000 | 73.1 | 15320 | 9000 | 74.9 | 14240 | | | |
| 10000 | 65.7 | 14640 | 10000 | 69.0 | 13950 | 10000 | 71.4 | 13180 | 10000 | 73.3 | 12640 | 10000 | 74.9 | 9740 |
| 11000 | 63.3 | 12420 | 11000 | 66.9 | 11980 | 11000 | 69.7 | 11460 | 11000 | 71.8 | 11070 | 11000 | 73.5 | 9290 |
| 12000 | 60.9 | 10650 | 12000 | 64.9 | 10380 | 12000 | 67.9 | 10030 | 12000 | 70.2 | 9750 | 12000 | 72.1 | 8890 |
| 14000 | 55.9 | 7960 | 14000 | 60.7 | 7920 | 14000 | 64.3 | 7800 | 14000 | 67.1 | 7660 | 14000 | 69.3 | 7740 |
| 16000 | 50.5 | 6050 | 16000 | 56.3 | 6130 | 16000 | 60.6 | 6150 | 16000 | 63.8 | 6100 | 16000 | 66.4 | 6180 |
| 18000 | 44.6 | 4620 | 18000 | 51.7 | 4780 | 18000 | 56.7 | 4880 | 18000 | 60.4 | 4880 | 18000 | 63.4 | 4960 |
| 20000 | 38.0 | 3510 | 20000 | 46.7 | 3710 | 20000 | 52.6 | 3880 | 20000 | 56.9 | 3910 | 20000 | 60.3 | 4000 |
| 22000 | 30.1 | 2650 | 22000 | 41.3 | 2860 | 22000 | 48.3 | 3060 | 22000 | 53.3 | 3110 | 22000 | 57.2 | 3200 |
| 24000 | 19.2 | 1990 | 24000 | 35.1 | 2180 | 24000 | 43.6 | 2390 | 24000 | 49.5 | 2460 | 24000 | 53.9 | 2550 |
| 25213 | 0.0 | 1790 | 26000 | 27.6 | 1620 | 26000 | 38.5 | 1820 | 26000 | 45.4 | 1900 | 26000 | 50.4 | 1990 |
| | | | 28000 | 17.2 | 1190 | 28000 | 32.6 | 1350 | 28000 | 41.0 | 1440 | 28000 | 46.8 | 1520 |
| | | | 29123 | 0.0 | 1100 | 30000 | 25.6 | 950 | 30000 | 36.1 | 1040 | 30000 | 42.9 | 1120 |

On Outriggers-Retracted

| Boom | 11500mm | | 15513mm | | | 19525mm | | | 23438mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) |
| 3000 | 68.4 | 75500 | 3000 | 74.3 | 70420 | | | | | | |
| 3500 | 65.6 | 54060 | 3500 | 72.3 | 50950 | | | | | | |
| 4000 | 62.7 | 41510 | 4000 | 70.3 | 39320 | 4000 | 74.6 | 33700 | | | |
| 4500 | 59.7 | 33270 | 4500 | 68.3 | 31590 | 4500 | 73.0 | 27580 | | | |
| 5000 | 56.6 | 27440 | 5000 | 66.3 | 26090 | 5000 | 71.4 | 23060 | 5000 | 74.7 | 22630 |
| 5500 | 53.4 | 23110 | 5500 | 64.2 | 21970 | 5500 | 69.9 | 19590 | 5500 | 73.4 | 19420 |
| 6000 | 50.0 | 19760 | 6000 | 62.0 | 18760 | 6000 | 68.3 | 16840 | 6000 | 72.1 | 16860 |
| 6500 | 46.4 | 17090 | 6500 | 59.8 | 16210 | 6500 | 66.6 | 14610 | 6500 | 70.8 | 14760 |
| 7000 | 42.5 | 14920 | 7000 | 57.6 | 14110 | 7000 | 65.0 | 12770 | 7000 | 69.5 | 13000 |
| 7500 | 38.2 | 13120 | 7500 | 55.3 | 12370 | 7500 | 63.3 | 11210 | 7500 | 68.1 | 11520 |
| 8000 | 33.3 | 11600 | 8000 | 52.9 | 10900 | 8000 | 61.6 | 9890 | 8000 | 66.8 | 10250 |
| 9000 | 19.8 | 9180 | 9000 | 47.8 | 8560 | 9000 | 58.1 | 7750 | 9000 | 64.0 | 8180 |
| 9387 | 0.0 | 8500 | 10000 | 42.2 | 6770 | 10000 | 54.5 | 6100 | 10000 | 61.2 | 6570 |
| | | | 11000 | 35.9 | 5370 | 11000 | 50.6 | 4780 | 11000 | 58.3 | 5290 |
| | | | 12000 | 28.1 | 4240 | 12000 | 46.5 | 3720 | 12000 | 55.3 | 4240 |
| | | | 13389 | 0.0 | 3100 | 14000 | 37.2 | 2100 | 14000 | 48.9 | 2640 |
| | | | | | | 16000 | 24.7 | 950 | 16000 | 41.7 | 1480 |

On Outriggers-Retracted

| Boom | 27350mm | | 31263mm | | | 35175mm | | | 39088mm | | | 43000mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Load Radius (mm) | Boom Angle (deg) | 360° (kg) |
| 6000 | 74.7 | 16240 | | | | | | | | | | | | |
| 6500 | 73.6 | 14360 | | | | | | | | | | | | |
| 7000 | 72.5 | 12770 | 7000 | 74.8 | 11900 | | | | | | | | | |
| 7500 | 71.4 | 11420 | 7500 | 73.8 | 10740 | | | | | | | | | |
| 8000 | 70.3 | 10250 | 8000 | 72.9 | 9730 | 8000 | 74.8 | 9180 | | | | | | |
| 9000 | 68.0 | 8320 | 9000 | 70.9 | 8030 | 9000 | 73.1 | 7710 | 9000 | 74.9 | 7400 | | | |
| 10000 | 65.7 | 6810 | 10000 | 69.0 | 6680 | 10000 | 71.4 | 6500 | 10000 | 73.3 | 6310 | 10000 | 74.9 | 6380 |
| 11000 | 63.3 | 5590 | 11000 | 66.9 | 5570 | 11000 | 69.7 | 5510 | 11000 | 71.8 | 5390 | 11000 | 73.5 | 5460 |
| 12000 | 60.9 | 4590 | 12000 | 64.9 | 4650 | 12000 | 67.9 | 4670 | 12000 | 70.2 | 4600 | 12000 | 72.1 | 4680 |
| 14000 | 55.9 | 3030 | 14000 | 60.7 | 3200 | 14000 | 64.3 | 3340 | 14000 | 67.1 | 3340 | 14000 | 69.3 | 3430 |
| 16000 | 50.5 | 1890 | 16000 | 56.3 | 2120 | 16000 | 60.6 | 2320 | 16000 | 63.8 | 2370 | 16000 | 66.4 | 2460 |
| 18000 | 44.6 | 1030 | 18000 | 51.7 | 1290 | 18000 | 56.7 | 1530 | 18000 | 60.4 | 1610 | 18000 | 63.4 | 1700 |
| | | | | | | | | | 20000 | 56.9 | 990 | 20000 | 60.3 | 1090 |

Outriggers Fully Extended

| 10.8m Offsetable jib | | | | | | |
|---|---|---|---|---|---|---|
| Boom Angle(°) | 0° Offset | | 20° Offset | | 40° Offset | |
| | Load Radius (mm) | 360° (kg) | Load Radius (mm) | 360° (kg) | Load Radius (mm) | 360° (kg) |
| 76 | 11151 | 6990 | 14579 | 4290 | 17278 | 3140 |
| 74 | 13006 | 6390 | 16378 | 4140 | 18984 | 3090 |
| 72 | 14842 | 5890 | 18154 | 3990 | 20665 | 3040 |
| 70 | 16657 | 5440 | 19906 | 3840 | 22318 | 2990 |
| 68 | 18449 | 5040 | 21631 | 3690 | 23941 | 2940 |
| 66 | 20216 | 4740 | 23327 | 3590 | 25532 | 2890 |
| 64 | 21956 | 4440 | 24992 | 3490 | 27090 | 2840 |
| 62 | 23667 | 4140 | 26624 | 3390 | 28612 | 2790 |
| 60 | 25346 | 3890 | 28220 | 3240 | 30096 | 2790 |
| 58 | 26992 | 3690 | 29780 | 3040 | 31542 | 2740 |
| 56 | 28602 | 3330 | 31301 | 2890 | 32946 | 2640 |
| 54 | 30175 | 2970 | 32781 | 2730 | 34307 | 2540 |
| 52 | 31708 | 2650 | 34219 | 2460 | 35624 | 2360 |
| 50 | 33200 | 2370 | 35612 | 2210 | 36895 | 2130 |
| 48 | 34649 | 2120 | 36959 | 1980 | 38118 | 1920 |
| 46 | 36053 | 1900 | 38259 | 1780 | 39293 | 1740 |
| 44 | 37411 | 1700 | 39509 | 1600 | 40417 | 1570 |
| 42 | 38720 | 1520 | 40708 | 1440 | 41488 | 1420 |
| 40 | 39980 | 1360 | 41856 | 1300 | 42507 | 1280 |
| 38 | 41188 | 1220 | 42949 | 1170 | 43471 | 1150 |

Outriggers Fully Extended

| 10.5m Offsetable jib | | | | | | |
|---|---|---|---|---|---|---|
| Boom Angle(°) | 0°Offset | | 20°Offset | | 40°Offset | |
| | Load Radius (mm) | 360°(kg) | Load Radius (mm) | 360°(kg) | Load Radius (mm) | 360°(kg) |
| 76 | 13013 | 3840 | 18884 | 2090 | 23506 | 1540 |
| 74 | 15128 | 3540 | 20903 | 1990 | 25367 | 1490 |
| 72 | 17220 | 3290 | 22894 | 1940 | 27194 | 1440 |
| 70 | 19290 | 3040 | 24855 | 1840 | 28985 | 1440 |
| 68 | 21333 | 2840 | 26782 | 1790 | 30738 | 1390 |
| 66 | 23348 | 2690 | 28675 | 1740 | 32452 | 1390 |
| 64 | 25331 | 2540 | 30530 | 1690 | 34123 | 1390 |
| 62 | 27281 | 2390 | 32345 | 1640 | 35750 | 1340 |
| 60 | 29196 | 2290 | 34118 | 1590 | 37331 | 1340 |
| 58 | 31072 | 2190 | 35847 | 1540 | 38863 | 1340 |
| 56 | 32907 | 2090 | 37529 | 1540 | 40346 | 1290 |
| 54 | 34700 | 1990 | 39163 | 1490 | 41777 | 1290 |
| 52 | 36448 | 1940 | 40747 | 1490 | 43154 | 1290 |
| 50 | 38149 | 1890 | 42279 | 1440 | 44477 | 1290 |
| 48 | 39800 | 1700 | 43756 | 1440 | 45742 | 1290 |
| 46 | 41401 | 1500 | 45178 | 1360 | 46949 | 1290 |
| 44 | 42949 | 1330 | 46542 | 1210 | 48096 | 1170 |
| 42 | 44441 | 1180 | 47846 | 1080 | 49182 | 1050 |
| 40 | 45877 | 1050 | 49090 | 970 | 50206 | 940 |
| 38 | 47254 | 930 | 50271 | 860 | 51165 | 840 |

On Tires

| Boom | 11500mm | | | | 15431mm | | | |
|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Over Front (kg) | Front Driving (kg) | Boom Angle (deg) | 360° (kg) | Over Front (kg) | Front Driving (kg) |
| 3000 | 68.4 | 32900 | 42550 | 31600 | 74.2 | 33560 | 43050 | 32150 |
| 3500 | 65.6 | 28330 | 38050 | 28050 | 72.2 | 29050 | 38600 | 28650 |
| 4000 | 62.7 | 24640 | 34230 | 25100 | 70.2 | 25460 | 34870 | 25780 |
| 4500 | 59.7 | 21630 | 31020 | 22610 | 68.2 | 22450 | 31700 | 23310 |
| 5000 | 56.6 | 19100 | 28240 | 20440 | 66.1 | 19970 | 28910 | 21140 |
| 5500 | 53.4 | 17000 | 25840 | 18580 | 64.0 | 17850 | 26560 | 19290 |
| 6000 | 50.0 | 15180 | 23710 | 16900 | 61.8 | 16060 | 24450 | 17700 |
| 6500 | 46.4 | 13580 | 21840 | 15460 | 59.6 | 14490 | 22610 | 16250 |
| 7000 | 42.5 | 11950 | 20220 | 14200 | 57.3 | 13000 | 21010 | 14960 |
| 7500 | 38.2 | 10340 | 18730 | 13010 | 55.0 | 11370 | 19550 | 13800 |
| 8000 | 33.3 | 8980 | 17380 | 11960 | 52.6 | 10000 | 18180 | 12780 |
| 9000 | 19.8 | 6810 | 15000 | 10180 | 47.4 | 7800 | 15940 | 11010 |
| 10000 | | | | | 21.8 | 6120 | 13150 | 9520 |
| 11000 | | | | | 35.3 | 4800 | 10890 | 8300 |
| 12000 | | | | | 27.3 | 3740 | 9120 | 7160 |

# Lifting Capacity Tables

On Tires

| Boom | 19325mm | | | | 23238mm | | | |
|---|---|---|---|---|---|---|---|---|
| Load Radius (mm) | Boom Angle (deg) | 360° (kg) | Over Front (kg) | Front Driving (kg) | Boom Angle (deg) | 360° (kg) | Over Front (kg) | Front Driving (kg) |
| 4000 | 74.4 | 25140 | 34360 | 25510 | | | | |
| 4500 | 72.8 | 22330 | 31300 | 23120 | | | | |
| 5000 | 71.2 | 19980 | 28740 | 21110 | 74.5 | 19040 | 27540 | 20290 |
| 5500 | 69.6 | 17960 | 26460 | 19330 | 73.2 | 17240 | 25430 | 18660 |
| 6000 | 68.0 | 16230 | 24440 | 17770 | 71.9 | 15680 | 23630 | 17250 |
| 6500 | 66.4 | 14730 | 22670 | 16380 | 70.6 | 14300 | 21970 | 15970 |
| 7000 | 64.7 | 13230 | 21080 | 15160 | 69.3 | 12690 | 20510 | 14820 |
| 7500 | 63.0 | 11670 | 19670 | 14060 | 67.9 | 11290 | 19200 | 13810 |
| 8000 | 61.3 | 10340 | 18410 | 13100 | 66.6 | 10080 | 18010 | 12910 |
| 9000 | 57.7 | 8200 | 16180 | 11330 | 63.8 | 8110 | 15880 | 11250 |
| 10000 | 54.0 | 6550 | 13510 | 9920 | 60.9 | 6570 | 13250 | 9920 |
| 11000 | 50.1 | 5250 | 11300 | 8700 | 58.0 | 5340 | 11190 | 8740 |
| 12000 | 45.9 | 4190 | 9540 | 7670 | 55.0 | 4340 | 9530 | 7770 |
| 14000 | 36.3 | 2600 | 6930 | 5960 | 48.5 | 2800 | 7040 | 6130 |
| 16000 | 23.2 | 1470 | 5120 | 4680 | 41.1 | 1670 | 5260 | 4890 |
| 18000 | | | | | 32.4 | | 3950 | 3600 |
| 20000 | | | | | 20.2 | | 2960 | 2630 |