

QUALITY CHANGES THE WORLD

**PRODUCT
SPECIFICATIONS**



SAC5000S

**SANY ALL TERRAIN CRANE
500T LIFTING CAPACITY**



Max. Lifting Capacity: 500 t
Max. Boom Length: 84 m
Max. Combination of Boom + Fixed Jib: 126m (with superlift)

www.sanyglobal.com

V1.8

Model SAC5000S | SERIES

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**SANY ALL TERRAIN CRANE
SAC5000S / 500T LIFTING CAPACITY**

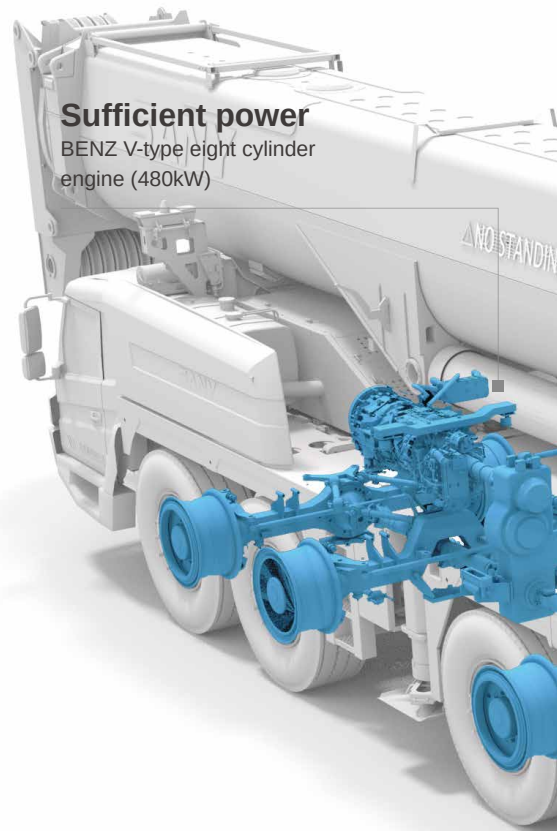
Specially designed jib for wind energy project operation.
A powerful role in 1.5MW turbine installation and 2.0MW
turbine overhauling.



SANY ALL TERRAIN CRANE SAC5000S / 500T LIFTING CAPACITY

Independent 4-section boom working

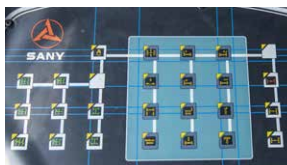
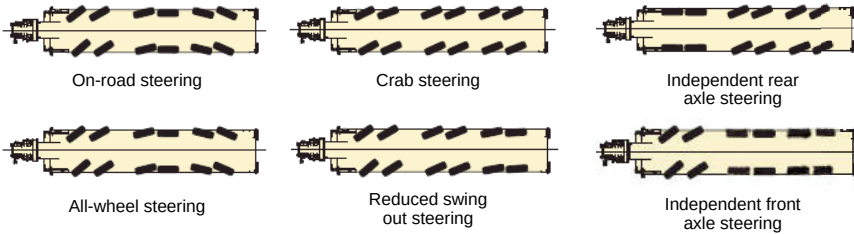
- The 5th to 7th boom sections removed, the specially designed boom tip mounted, this crane can handle 50m lifting height by four section boom independently. Cut the transport cost whenever it's possible.



Sufficient power
BENZ V-type eight cylinder engine (480kW)

Versatile Steering System

- Servo-assisted steering mechanism with dual-circuit hydraulic cylinder and emergency steering pump. Axle 3 & 4 stops steering at 30km/h and above; axle 5 & 6 stops steering at 60km/h and above.
- SIX steering modes feature both functionality and safety. Clear display of button switches and quick activation guarantee high efficiency, good maneuverability and safety.



More power, less fuel cost

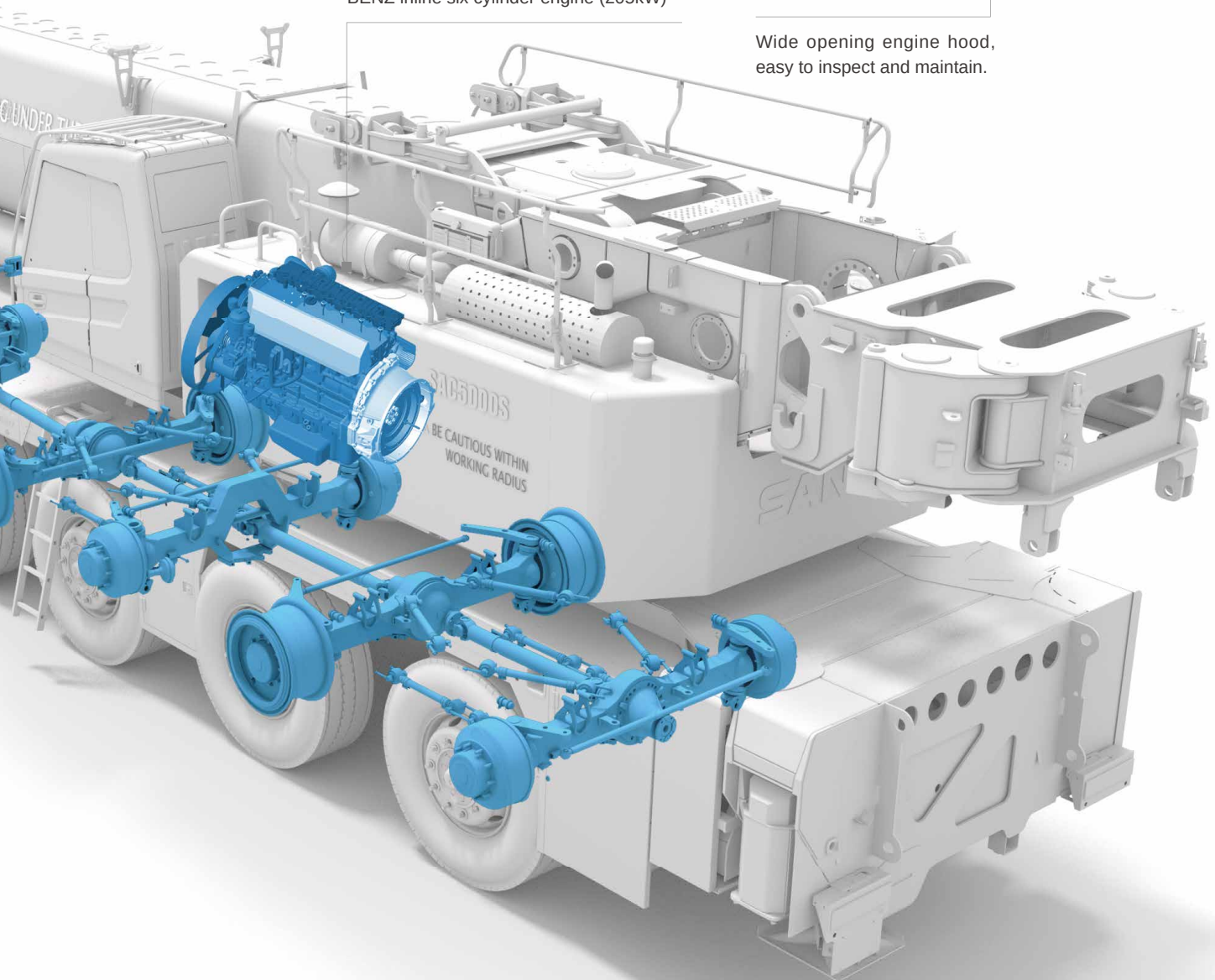
- The chassis and superstructure are incorporated with its own engine respectively. The engine models are selected with full consideration to guarantee both strong power and maximized fuel utilization.



Fuel economy

BENZ inline six cylinder engine (205kW)

Wide opening engine hood, easy to inspect and maintain.



SANY ALL TERRAIN CRANE SAC5000S / 500T LIFTING CAPACITY



Double slewing motors

- 360° slewing is facilitated by two powerful motors with stepless speed regulation.



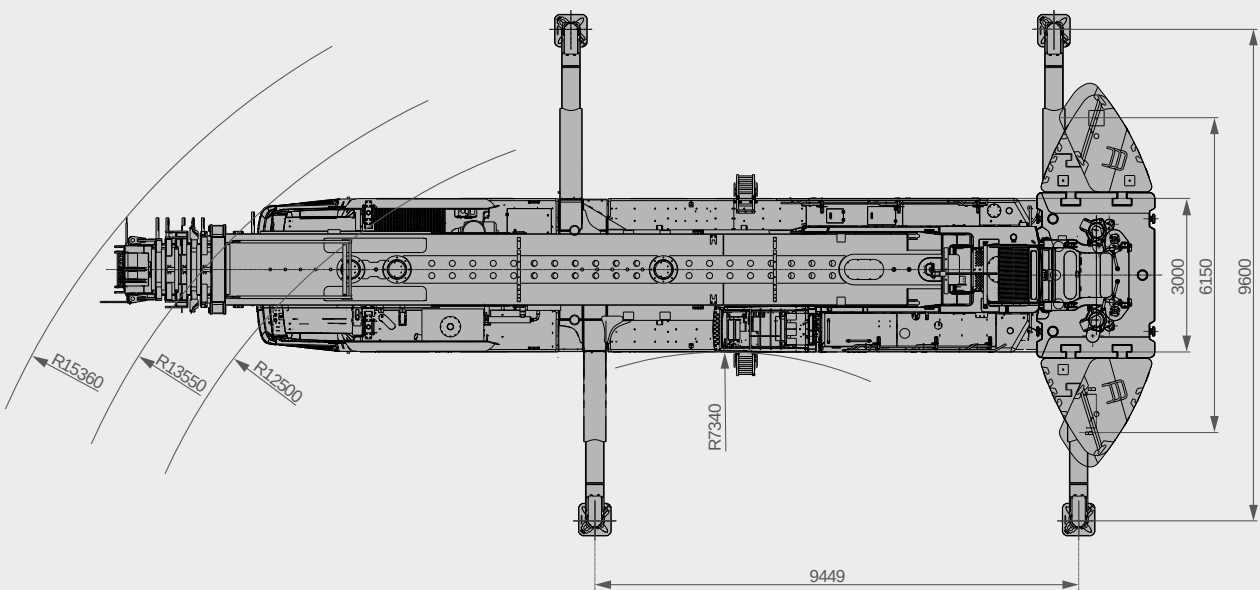
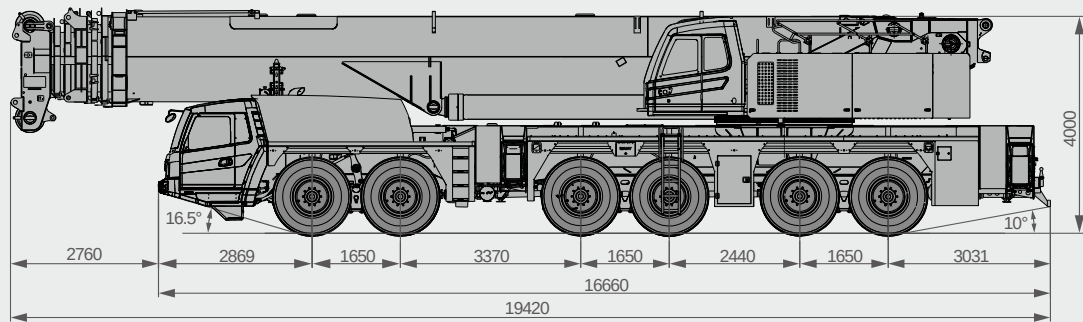
- Ladder with handrail is attached to the walking deck by adjustable hinge. Get safe access to the operator's cab and spin it up on the deck without taking up unnecessary space.
- Getting to work in 20° tiltable cab with skylight and real-time feedback from E-TOUCH screen, every lifting moments are well monitored by the operator.





- Sitting on pneumatic cushion with armrest and headrest, easily pushing the electrical joystick, the operator will find work is no more tough.

Overall Dimensions (T)



Technical Specification

| CATEGORY | ITEM | UNIT | VALUE | |
|----------------------------------|---|---|---------------------------|-----------------------|
| CAPACITY | Max. lifting capacity | t | 500 | |
| WEIGHT | Road weight | kg | 60000 | |
| POWER (CHASSIS) | Engine emission | - | EU Stage III B | |
| | Max. engine power | kW/rpm | 480/1800 | |
| | Max. engine torque | N·m/rpm | 3000/1300 | |
| POWER (SUPERSTRUCTURE) | Engine emission | - | EU Stage III A | |
| | Max. engine power | kW/rpm | 205/2200 | |
| | Max. engine torque | N·m/rpm | 1100/1400 | |
| DIMENSIONS | Overall length | mm | 18000 (on-road traveling) | |
| | Overall width | mm | 3000 | |
| | Overall height | mm | 4000 | |
| | Axle base | Axle 1 & 2 | mm | 1650 |
| | | Axle 2 & 3 | mm | 3370 |
| | | Axle 3 & 4 | mm | 1650 |
| Axle 4 & 5 | | mm | 2440 | |
| Axle 5 & 6 | | mm | 1650 | |
| TRAVEL | Max.travel speed | km/h | 70 | |
| | Min.steering radius | m | 12.5 | |
| | Wheel formula | - | 12×8×12 | |
| | Min.ground clearance | mm | 300 | |
| | Approach angle | ° | 16 | |
| | Departure angle | ° | 10 | |
| | Max.gradeability | % | 45 | |
| MAIN PERFORMANCE | Working temperature range | °C | -20 ~ +40 | |
| | Min.rated lifting radius | m | 3 | |
| | Boom sections (Qty.) | - | 7 | |
| | Boom shape | - | U-shape | |
| | Boom length | Basic boom | m | 16.1 |
| | | Full-extend boom | m | 84 |
| | | Max. combination of boom + fixed jib (with superlift) | m | 126 (78.6+1.9+3.5+42) |
| | Max. lifting height | Full extension boom | m | 84 |
| | | Max. combination of boom + fixed jib (with superlift) | m | 122 |
| | | Max. combination of boom + luffing jib (with superlift) | m | 136 |
| | Outrigger span (Longitudinal×Transverse) | m | 9.6×9.4 | |
| Max. slewing radius with full CW | mm | 6065 (+715) | | |
| Jib offset | ° | 0, 20, 40 | | |
| OPERATION SPEED | Max.single rope lifting speed of main winch (empty load) | m/min | 130 | |
| | Max.single rope lifting speed of auxiliary winch (empty load) | m/min | 130 | |
| | Full extension/retraction time of boom | s | 800/800 | |
| | Full luffing up/down time of boom | s | 95/95 | |
| | Slewing speed | r/min | 1.3 | |
| AIRCONDITIONER | In operator's cab | - | Heating & cooling | |
| | In driver's cab | - | Heating & cooling | |

Technical Specifications



Axle Load

| Axle | 1 | 2 | 3 | 4 | 5 | 6 | Total weight |
|-------------------|--|---|---|----|----|----|--------------|
| Load per axle / t | 8 | 8 | 8 | 12 | 12 | 12 | 60 |
| Note | Boom sections 2 to 7, outriggers, and counterweight are removed. | | | | | | |



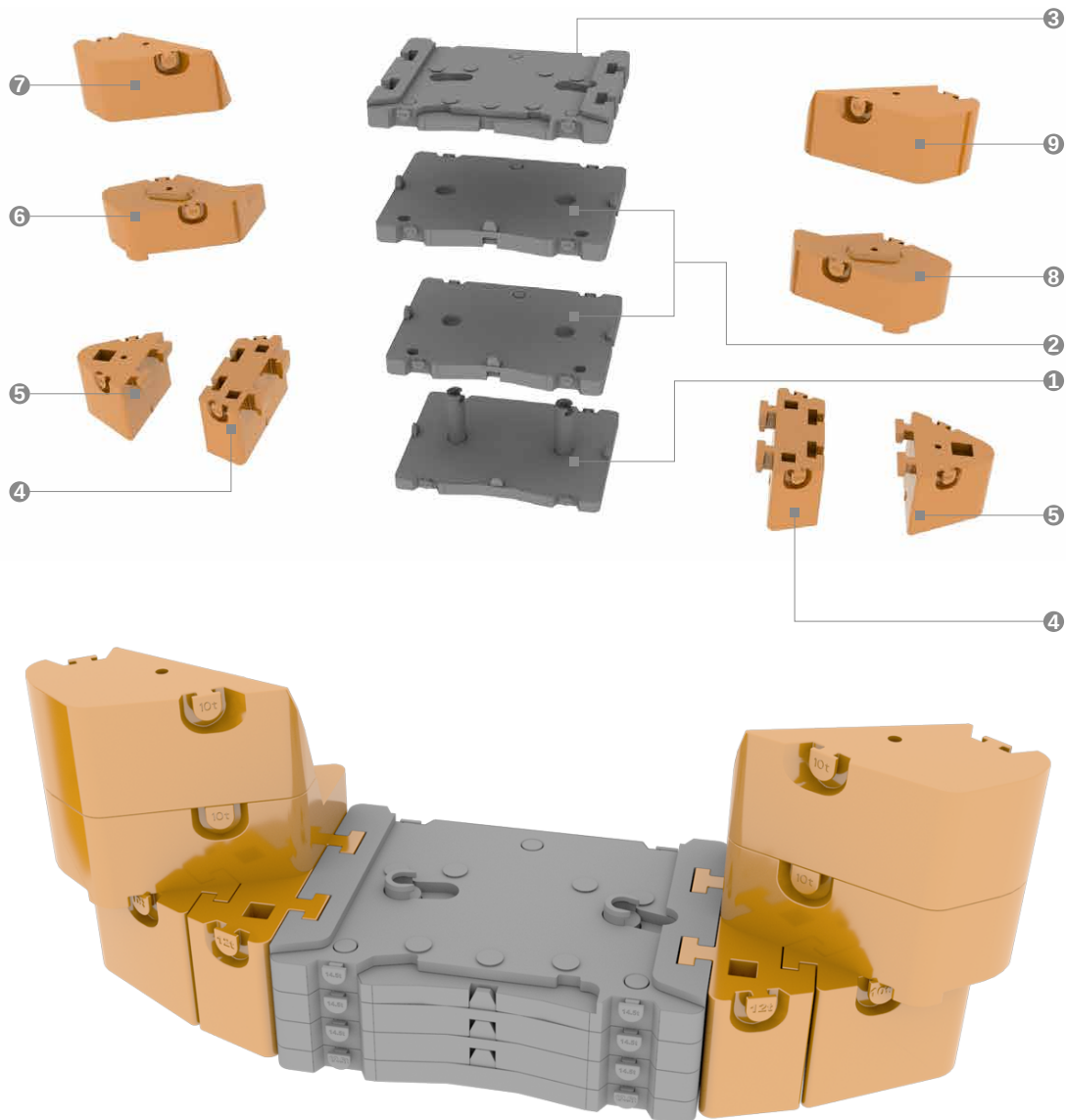
Hook block

| Rated load/t | Number of sheaves | Rope rate | Hook weight/kg | Remark |
|--------------|-------------------|-----------|----------------|----------|
| 200 | 9 | 19 | 3242 | Optional |
| 160 | 7 | 15 | 2886 | Standard |
| 80 | 3 | 7 | 1982 | Standard |
| 12.5 | 0 | 1 | 676 | Standard |
| 32 | 1 | 3 | 1324 | Optional |

Parts of World-famous Brands

| No | Item | Supplier |
|----|--------------------------|----------------------------|
| 1 | Chassis engine | Mercedes-Benz |
| 2 | Superstructure engine | Mercedes-Benz |
| 3 | Axle | KESSLER-CO |
| 4 | Transmission | ZF |
| 5 | Transfer case | KESSLER-CO |
| 6 | Main hoist piston pump | Dresser |
| 7 | Luffing piston pump | rexroth A Bosch Company |
| 8 | Telescoping piston pump | rexroth A Bosch Company |
| 9 | Telesoping balance valve | WESSEL |

Counterweight Combinations

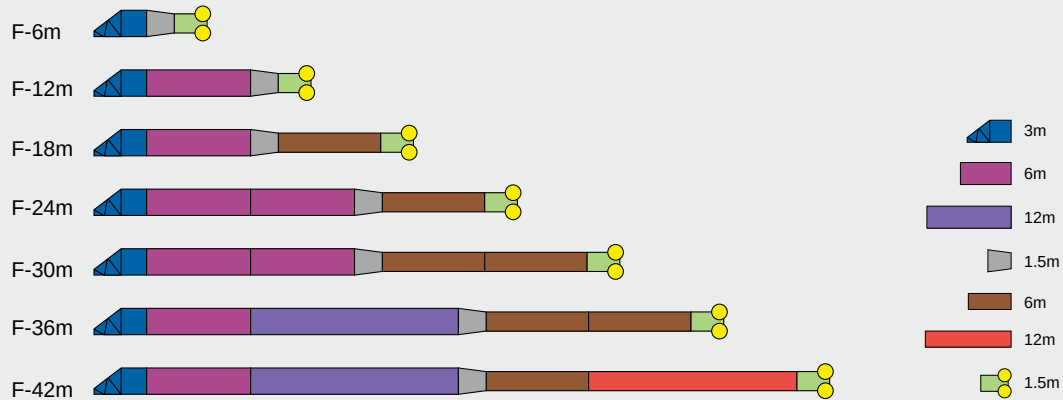


| Variable weights (t) | Combinations |
|----------------------|---|
| 14.5 | ① |
| 29 | ① + ② |
| 43.5 | ① + ② × 2 |
| 58 | ① + ② × 2 + ③ |
| 82 | ① + ② × 2 + ③ + ④ × 2 |
| 102 | ① + ② × 2 + ③ + ④ × 2 + ⑤ × 2 |
| 122 | ① + ② × 2 + ③ + ④ × 2 + ⑤ × 2 + ⑥ + ⑧ |
| 142 | ① + ② × 2 + ③ + ④ × 2 + ⑤ × 2 + ⑥ + ⑦ + ⑧ + ⑨ |

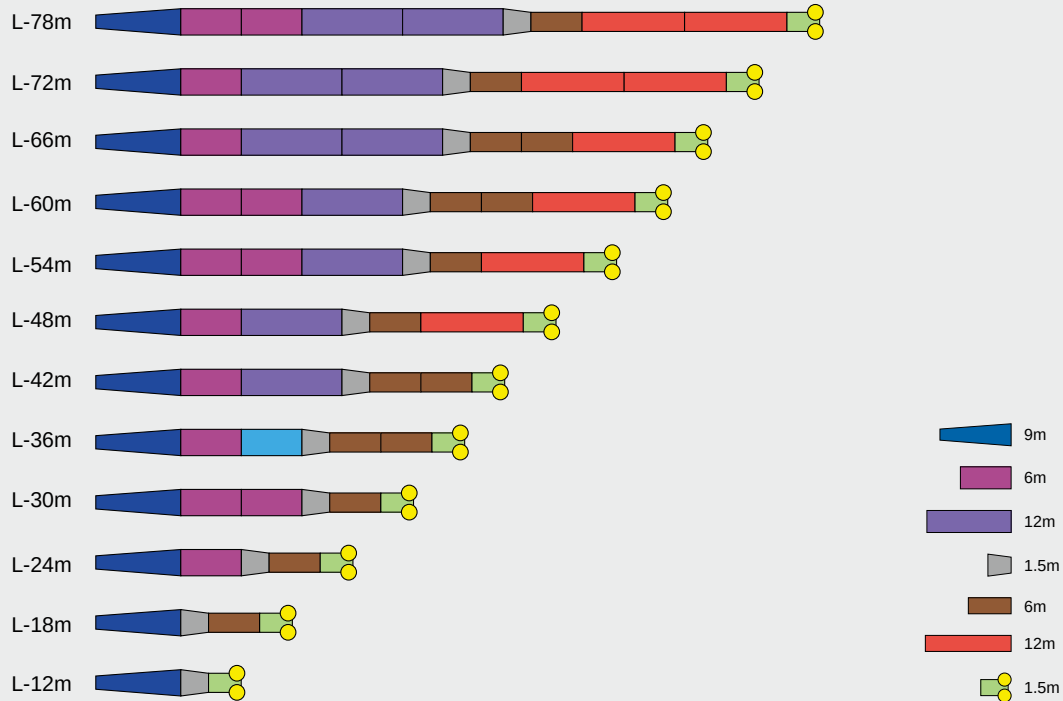
Note: the same counterweights can be used on SAC3000S.
 CW frame weight is included in the combinations.

Boom / Jib Combinations

Fixed jib assembly



Luffing jib assembly



Note: the same fixed jib and luffing jib can be used on SAC3500S.
Heavy fixed jib & heavy luffing jib now available!

Crane Introduction

superstructure

Operator's cab

- The cab is designed in ergonomic concept with deep consideration of convenience, safety, and comfort. Key operation parts including main boom, luffing jib and superlift hoist winch are well monitored from multiple angles in multiple images.

Superstructure engine

- Model: BENZ Inline six-cylinder diesel engine with watercooler and inter cooler, EFI.
- Emission standard: EU Stage III A.
- Fuel reservoir capacity: 300L.

Boom system

- Telescopic boom: Bending resistant ellipse structure welded by high tensile steel plate. Single cylinder pin telescoping. Seven sections in full extension is 84m.
- Jib: 42m heavy fixed jib (standard), 84m heavy luffing jib (optional). The connection section, jib head, 6m and 12m large (small) cross section inserts are applicable to both fixed and luffing jibs.
- Superlift device: Self assembly and disassembly. With superlift the long boom defection is reduced by over 20% and lifting capacity up by 200%.

Slewing system

- Stepless speed regulation. Close type system reduces energy loss. Emergency brake available.

Hydraulic system

- Superstructure is designed with independent hydraulic system of integrated open and close type. Auto adjustable oil pump with higher power use ratio and less energy cost. Variable piston pump featuring load sensing and constant power control.
- Self-developed double pump confluence and shunt main valve, higher efficiency for single motion and better maneuverability for combined motions.
- Main oil pump, slewing pump, winch motor, balance valve and other hydraulic components are of high quality and high durability.

Hoisting system

- Planetary reducer gear driven by hydraulic motor and special rope groove winching drum with built-in brake. Efficient switchover of rope rate. Rotation resistant wire rope spec. 24mm in diameter and 605m in length.

Luffing system

- Electric proportional control, integrated active and passive luffing down, luffing speed and stability both secured.

Control system

- 24V DC power supply, PLC integrated programmable controller, CAN-BUS instrument featuring real-time monitoring and self-diagnosis.
- Lifting, slewing and luffing are controlled by electric proportional joystick, telescoping by pedal, CW lifting/lowering, cab tilting and slewing platform lock by panel buttons.

Safety device

- Self-developed LMI.
- Hydraulic balance valve, relief valve, two-way pilot-controlled valve.
- Three-circle protector at boom winch and luffing jib winch, preventing wire rope from over-hoist down.
- Height limit switch at head of boom and fixed jib, preventing wire rope from over-hoist up.
- Anemometer at boom and jib head.
- Superlift wire line pull protection program.

Counterweight

- Movable counterweight, see CW combination chart. CW assembly and disassembly controlled by remote device.

Outrigger

- H-type two-stage outriggers, hydraulically telescoping, remotely controlled and auto levelling. Outrigger load can be read on control pane.

Optional equipment at extra fees

- 32.5t capacity hook block.
- 200t capacity hook block.
- Specially designed jib for wind power (8m).
- Boom tip for independent 4-section boom operation.
- Hydraulically adjustable jib.
- Outrigger pad.
- Spare tire bracket.
- Light fixed jib 42m.
- Light luffing jib 78m.
- Heavy luffing jib 84m.
- Customized painting.
- Other equipment available upon request.

Crane Introduction

Carrier

Driver's cab

- Vibration and external noise isolation. Equipped with pneumatic suspension seats with headrest, adjustable steering wheel, large rear-view mirror, reversing camera, demister, HVAC, and stereo radio.

Carrier frame

- Lightweight torsion resistant box-type structure welded by fine grain high-strength steel. Front and rear towing device equipped.

Chassis engine

- Model: V-type eight-cylinder diesel engine with watercooler and inter cooler, EFI.
- Emission standard: EU Stage III B.
- Fuel reservoir capacity: 550L.

Transmission

- 12-speed AMT, large speed ratio range, adaptable to slope climbing and high-speed traveling.

Axle

- Kessler. Axles 1, 3, 5 are drive axles on highway traveling; axles 1, 3, 5, 6 are drive axles on rough terrains. All axle steering. Axles 1, 2 are steered mechanically with hydraulic booster; axles 3 to 6 are steered hydraulically.

Wheel formula

- 12×8×12.

Suspension

- Hydro-pneumatic suspension with hydraulic lock featuring 5 different modes. Ride comfort and vehicle lateral stability are ensured regardless of any rough terrains.

Tires

- Thirteen tires sized 16.00R25(445/95 R25), incl. one spare tire.

Brake system

- Service brake: air servo, double circuit, equipped with disc brake.
- Parking brake: Functioning at axle 2 to 6 by pressure reservoir.
- Assistant brake: Engine brake, exhaust brake, transmission hydraulic retarder brake.

Steering system

- Emergency steering pump. Axles 3, 4 stop steering when traveling speed exceeds 30km/h; axles 5,6 stop steering when it exceeds 60km/h.

Electrical system

- 24V DC power supply. Vehicle illumination available. Its own strong logic realizes self-diagnosis, integrated display and self-protection (IP65).
- CAN instrument, LCD display.

Working Conditions & Codes Description

- T - Telescopic boom
- T4 - Independent four section boom
- S - Superlift device
- F - Fixed jib
- L - Luffing jib
- E - Boom extension
- AJ - Auxiliary jib
- F(Z) - Heavy fixed jib
- L(Z) - Heavy luffing jib

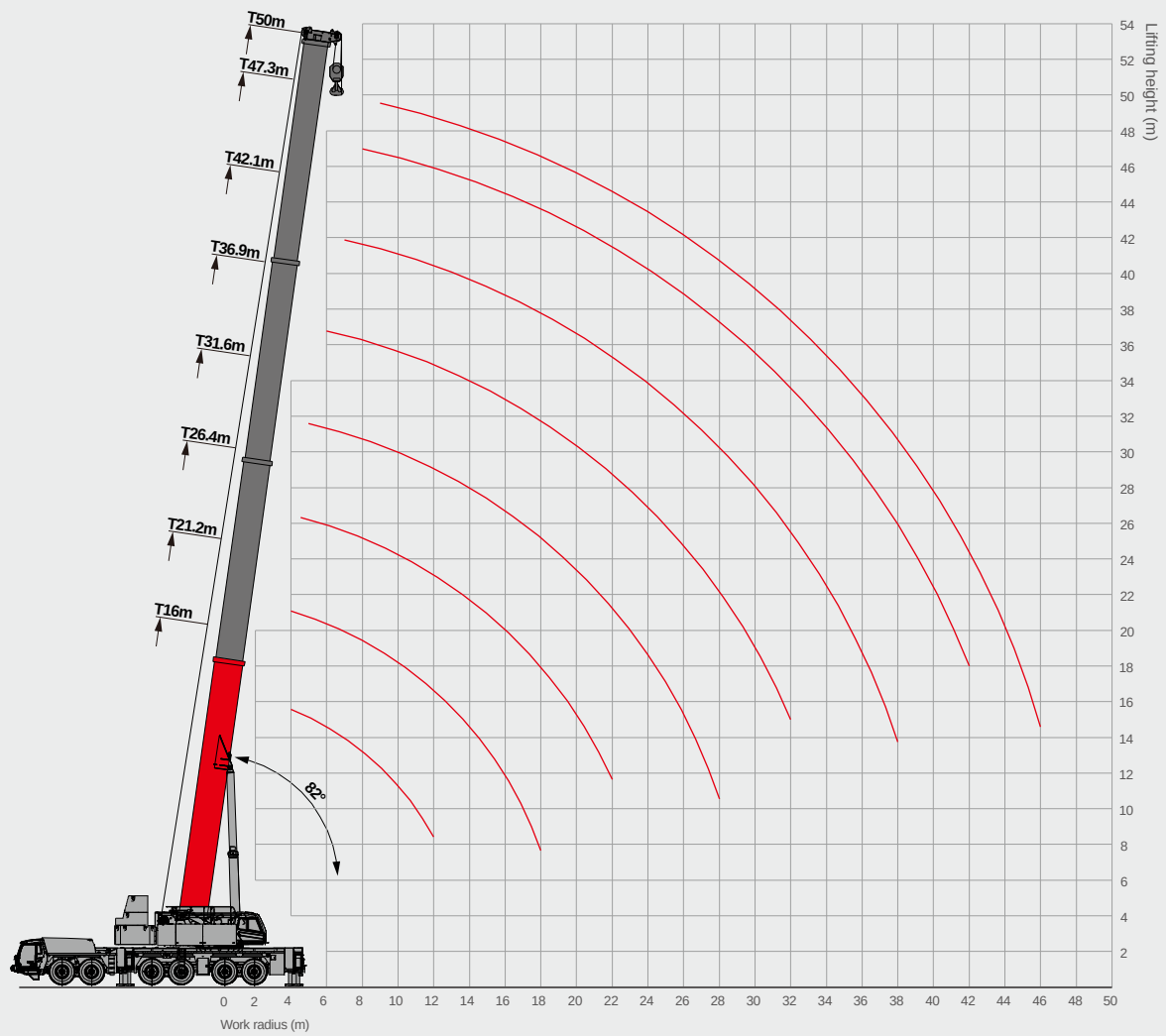


Working Conditions & Codes Description



Operating Range – T4

Independent four section boom



Load Chart – T4



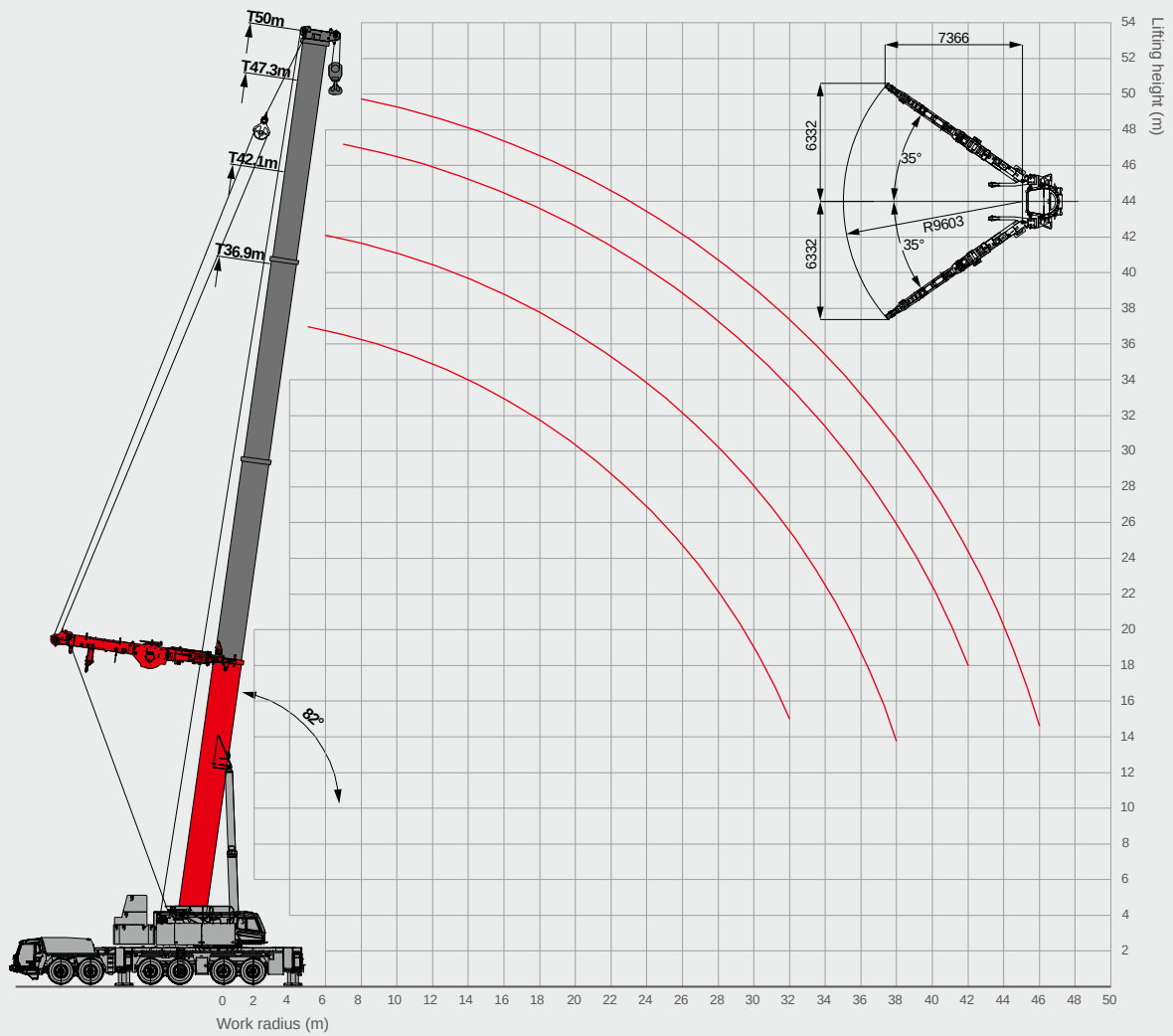
Unit: metric ton

| Radius (m) | 16 | 21.2 | 26.4 | 31.6 | 36.9 | 42.1 | 47.3 | 50 | Radius (m) |
|------------------------|-------|-------|-------|-------|-------|-------|-------|------|------------|
| 4 | 201.5 | 200.0 | | | | | | | 4 |
| 4.5 | 201.5 | 196.2 | 191.0 | | | | | | 4.5 |
| 5 | 201.5 | 191.1 | 190.5 | 180.9 | | | | | 5 |
| 6 | 190.0 | 191.0 | 185.1 | 174.6 | 162.7 | | | | 6 |
| 7 | 173.0 | 173.0 | 173.0 | 164.2 | 155.0 | 123.0 | | | 7 |
| 8 | 156.0 | 156.0 | 154.0 | 149.9 | 147.4 | 116.3 | 103.3 | | 8 |
| 9 | 136.9 | 135.0 | 134.0 | 135.6 | 135.0 | 109.6 | 98.1 | 67.0 | 9 |
| 10 | 121.1 | 122.0 | 122.0 | 121.4 | 122.0 | 104.2 | 92.9 | 64.3 | 10 |
| 12 | 103.2 | 104.4 | 104.3 | 103.6 | 100.0 | 94.3 | 83.6 | 59.2 | 12 |
| 14 | | 77.7 | 77.6 | 76.9 | 71.4 | 71.1 | 67.2 | 51.1 | 14 |
| 16 | | 68.1 | 68.1 | 67.3 | 66.5 | 66.0 | 61.2 | 47.8 | 16 |
| 18 | | 62.0 | 60.3 | 59.6 | 55.4 | 64.1 | 55.3 | 44.9 | 18 |
| 20 | | | 53.7 | 53.0 | 48.3 | 57.5 | 50.7 | 42.1 | 20 |
| 22 | | | 53.5 | 47.0 | 42.0 | 51.8 | 46.8 | 39.7 | 22 |
| 24 | | | | 41.9 | 41.1 | 46.7 | 42.9 | 37.7 | 24 |
| 26 | | | | 37.6 | 40.9 | 42.3 | 39.1 | 35.7 | 26 |
| 28 | | | | 35.0 | 37.1 | 38.5 | 36.4 | 33.7 | 28 |
| 30 | | | | | 33.8 | 34.9 | 33.8 | 31.8 | 30 |
| 32 | | | | | 20.0 | 31.6 | 31.0 | 30.1 | 32 |
| 34 | | | | | | 28.8 | 28.2 | 28.4 | 34 |
| 36 | | | | | | 26.2 | 25.7 | 26.7 | 36 |
| 38 | | | | | | 23.9 | 23.5 | 24.7 | 38 |
| 40 | | | | | | | 21.5 | 22.7 | 40 |
| 42 | | | | | | | 15.3 | 20.9 | 42 |
| 44 | | | | | | | | 19.3 | 44 |
| 46 | | | | | | | | 17.8 | 46 |
| 48 | | | | | | | | | 48 |
| Telescoping status (%) | | | | | | | | | |
| 2nd boom | 0 | 46 | 46 | 46 | 92 | 92 | 92 | 100 | 2nd boom |
| 3rd boom | 0 | 0 | 46 | 46 | 46 | 92 | 92 | 100 | 3rd boom |
| 4th boom | 0 | 0 | 0 | 46 | 46 | 46 | 92 | 100 | 4th boom |
| Rope rate | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | Rope rate |

Remark: Three other boom sections are removed and counterweight units are moved backwards.

Operating Range – T4S

Independent four section boom with superlift



Load Chart – T4S

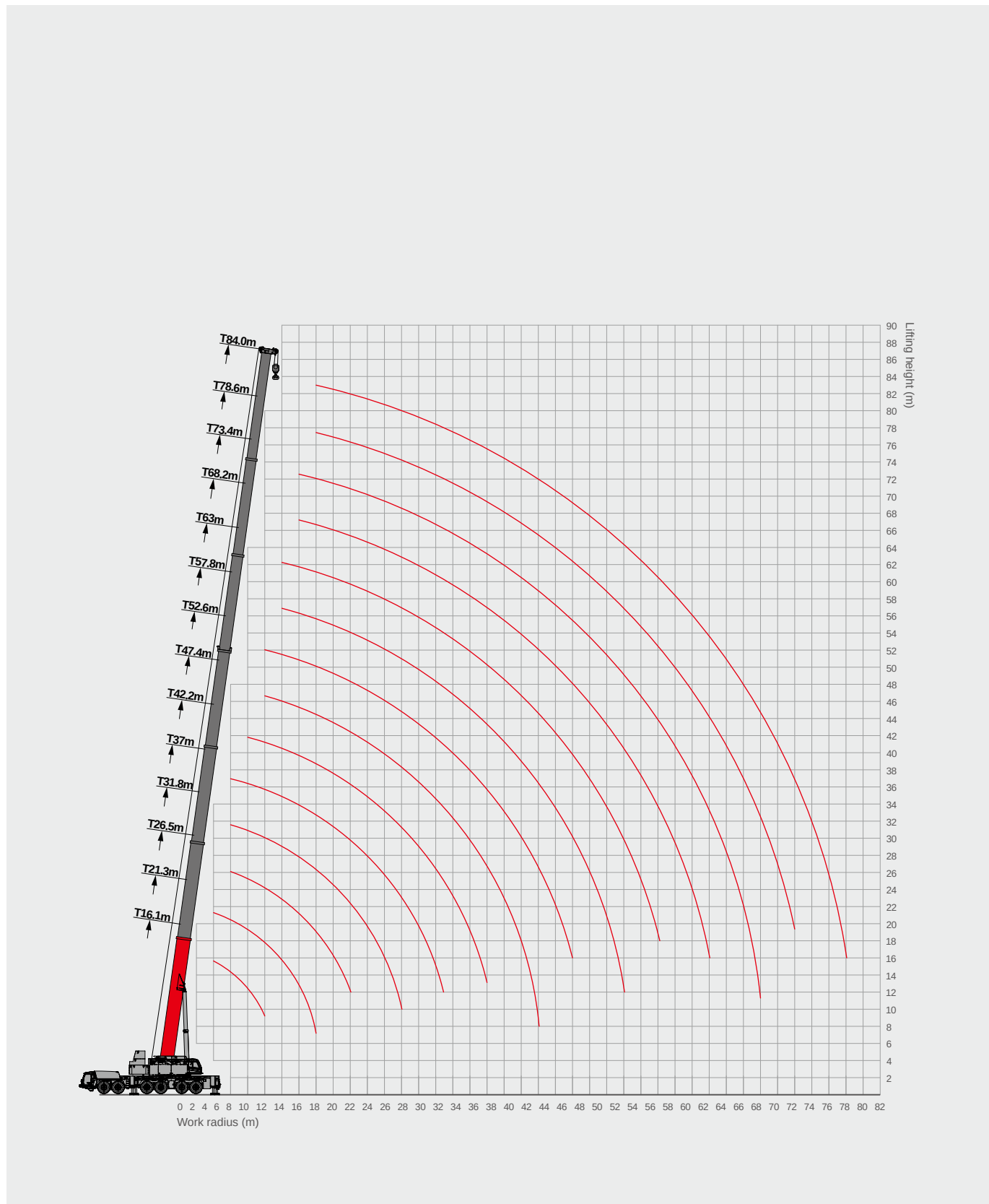


Unit: metric ton

| Radius(m) | 36.9 | 42.1 | 47.3 | 50 | Radius(m) |
|------------------------|-------|-------|-------|-------|-----------|
| 4.5 | | | | | 4.5 |
| 5 | 178.5 | | | | 5 |
| 6 | 168.0 | 135.5 | | | 6 |
| 7 | 159.6 | 133.4 | 147.0 | | 7 |
| 8 | 149.1 | 131.3 | 137.6 | 112.4 | 8 |
| 9 | 139.7 | 127.1 | 129.2 | 106.1 | 9 |
| 10 | 123.5 | 122.9 | 120.8 | 101.9 | 10 |
| 12 | 102.8 | 104.8 | 105.1 | 95.6 | 12 |
| 14 | 88.4 | 90.5 | 90.8 | 89.8 | 14 |
| 16 | 76.0 | 78.1 | 78.5 | 79.2 | 16 |
| 18 | 66.0 | 68.0 | 68.6 | 69.2 | 18 |
| 20 | 57.8 | 59.9 | 60.3 | 61.0 | 20 |
| 22 | 50.9 | 53.0 | 53.4 | 54.2 | 22 |
| 24 | 45.0 | 47.3 | 47.6 | 48.2 | 24 |
| 26 | 40.1 | 42.2 | 42.4 | 43.3 | 26 |
| 28 | 35.8 | 37.7 | 38.2 | 38.9 | 28 |
| 30 | 32.0 | 33.6 | 34.4 | 35.1 | 30 |
| 32 | 28.7 | 30.0 | 31.0 | 31.8 | 32 |
| 34 | | 26.9 | 28.0 | 28.8 | 34 |
| 36 | | 24.1 | 25.3 | 26.0 | 36 |
| 38 | | 21.5 | 22.9 | 23.6 | 38 |
| 40 | | | 20.8 | 21.5 | 40 |
| 42 | | | 18.9 | 19.4 | 42 |
| 44 | | | | 17.6 | 44 |
| 46 | | | | 15.8 | 46 |
| Telescoping status (%) | | | | | |
| 2nd boom | 92 | 92 | 92 | 100 | 2nd boom |
| 3rd boom | 46 | 92 | 92 | 100 | 3rd boom |
| 4th boom | 46 | 46 | 92 | 100 | 4th boom |
| Rope rate | 15 | 11 | 12 | 9 | Rope rate |

Operating Range – T

Telescopic boom



Load Chart – T



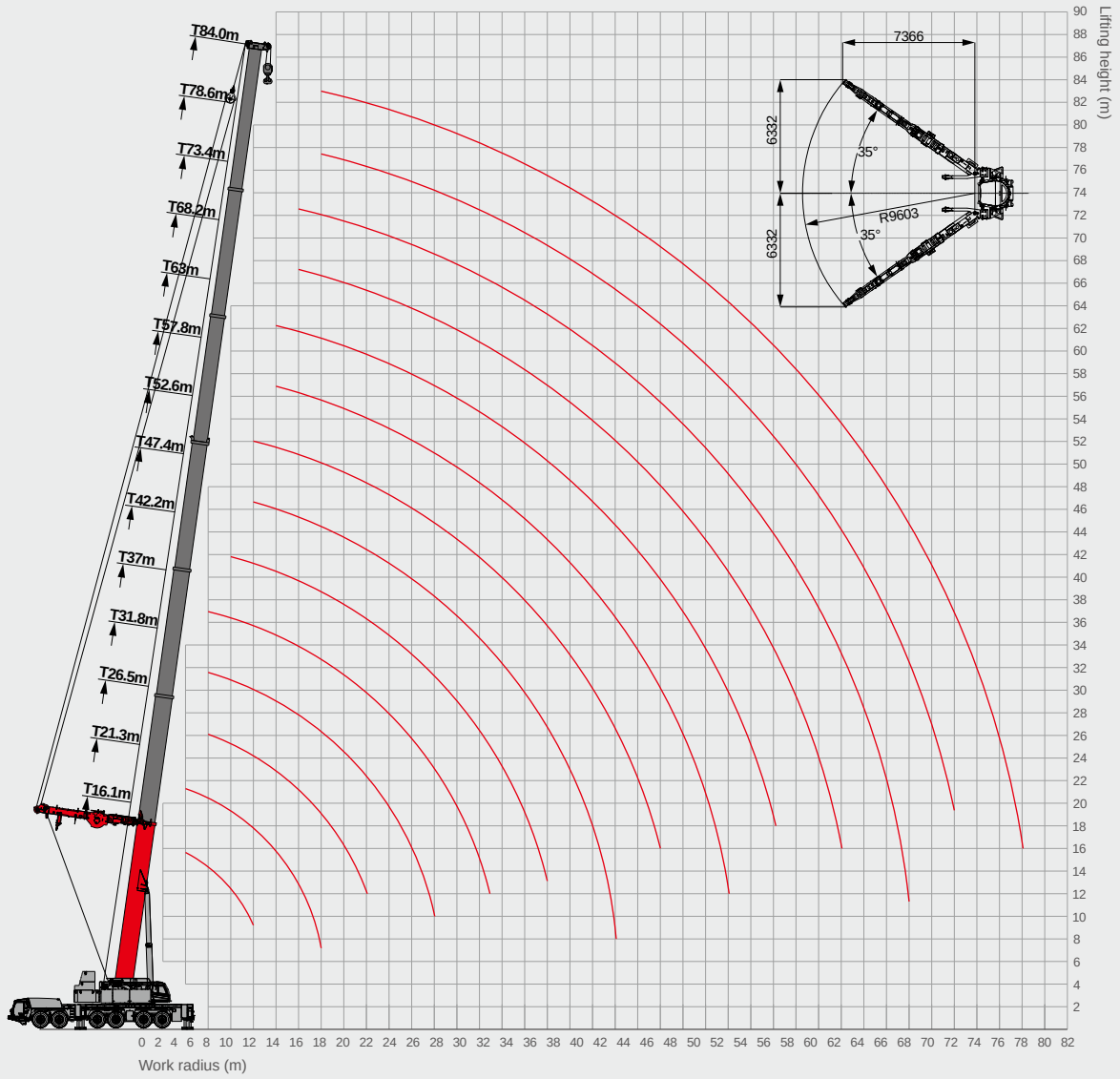
Unit: metric ton

| Radius (m) | 16.1* | 16.1 | 21.3 | 26.5 | 31.8 | 37 | 42.2 | 47.4 | 52.6 | 57.8 | 63 | 68.2 | 73.4 | 78.6 | 84 | Radius (m) |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------------|
| 2.5 | 500.0 | | | | | | | | | | | | | | | 2.5 |
| 3 | 450.0 | | | | | | | | | | | | | | | 3 |
| 3.5 | 239.3 | | | | | | | | | | | | | | | 3.5 |
| 4 | 201.5 | 201.5 | 196.2 | | | | | | | | | | | | | 4 |
| 4.5 | 201.5 | 201.5 | 196.2 | 191.0 | | | | | | | | | | | | 4.5 |
| 5 | 201.5 | 201.5 | 191.1 | 190.5 | 180.9 | | | | | | | | | | | 5 |
| 6 | 195.0 | 195.0 | 191.0 | 185.1 | 174.6 | 162.7 | | | | | | | | | | 6 |
| 7 | 175.0 | 175.0 | 173.0 | 173.0 | 164.2 | 155.0 | 123.0 | | | | | | | | | 7 |
| 8 | 157.6 | 157.6 | 156.0 | 154.0 | 149.9 | 147.4 | 116.3 | 103.3 | | | | | | | | 8 |
| 9 | 136.9 | 136.9 | 135.0 | 134.0 | 135.6 | 135.0 | 109.6 | 98.1 | 67.0 | | | | | | | 9 |
| 10 | 125.0 | 125.0 | 122.0 | 122.0 | 124.6 | 122.0 | 104.2 | 92.9 | 64.3 | 57.0 | | | | | | 10 |
| 12 | 105.1 | 105.1 | 104.0 | 106.3 | 105.5 | 108.5 | 94.3 | 83.6 | 59.2 | 52.4 | 43.8 | 38.6 | | | | 12 |
| 14 | | | 90.0 | 90.4 | 91.7 | 94.6 | 85.7 | 74.7 | 55.1 | 48.6 | 41.0 | 36.2 | 31.2 | | | 14 |
| 16 | | | 78.0 | 79.8 | 79.8 | 82.4 | 78.8 | 67.2 | 51.1 | 45.3 | 38.4 | 33.7 | 29.6 | 25.2 | 20.0 | 16 |
| 18 | | | 70.5 | 71.6 | 69.5 | 72.3 | 71.7 | 61.2 | 47.8 | 42.0 | 36.0 | 31.4 | 28.0 | 24.2 | 19.2 | 18 |
| 20 | | | | 64.8 | 60.4 | 63.8 | 64.1 | 55.3 | 44.9 | 39.2 | 33.6 | 29.3 | 26.4 | 23.2 | 18.4 | 20 |
| 22 | | | | 57.6 | 53.0 | 56.5 | 57.5 | 50.7 | 42.2 | 36.8 | 31.5 | 27.2 | 24.8 | 22.1 | 17.5 | 22 |
| 24 | | | | | 47.0 | 52.4 | 51.8 | 46.8 | 39.7 | 34.4 | 29.7 | 25.2 | 23.3 | 20.9 | 16.7 | 24 |
| 26 | | | | | 42.9 | 47.5 | 46.7 | 42.9 | 37.7 | 32.1 | 28.0 | 23.6 | 21.8 | 19.7 | 15.9 | 26 |
| 28 | | | | | 39.9 | 43.1 | 42.3 | 39.1 | 35.7 | 30.4 | 26.2 | 21.9 | 20.6 | 18.6 | 15.1 | 28 |
| 30 | | | | | | 39.4 | 38.5 | 36.4 | 33.7 | 28.8 | 24.8 | 20.3 | 19.6 | 17.5 | 14.3 | 30 |
| 32 | | | | | | 36.1 | 35.2 | 33.8 | 31.8 | 27.1 | 23.6 | 18.9 | 18.6 | 16.5 | 13.5 | 32 |
| 34 | | | | | | | 32.3 | 31.1 | 30.1 | 25.5 | 22.3 | 17.7 | 17.6 | 15.5 | 12.8 | 34 |
| 36 | | | | | | | 29.7 | 28.5 | 28.4 | 24.0 | 21.1 | 16.7 | 16.8 | 14.6 | 12.1 | 36 |
| 38 | | | | | | | 27.5 | 26.2 | 26.7 | 22.8 | 19.9 | 15.8 | 16.1 | 13.6 | 11.5 | 38 |
| 40 | | | | | | | | 24.8 | 25.1 | 21.6 | 18.8 | 14.9 | 15.3 | 12.9 | 10.8 | 40 |
| 42 | | | | | | | | 23.7 | 23.6 | 20.6 | 18.0 | 14.2 | 14.7 | 12.2 | 10.2 | 42 |
| 44 | | | | | | | | | 22.0 | 19.2 | 17.0 | 13.2 | 14.0 | 11.4 | 9.6 | 44 |
| 46 | | | | | | | | | 19.6 | 17.8 | 15.8 | 12.3 | 13.0 | 10.6 | 9.0 | 46 |
| 48 | | | | | | | | | | 17.0 | 15.1 | 11.7 | 12.5 | 9.8 | 8.5 | 48 |
| 50 | | | | | | | | | | 16.2 | 14.4 | 11.2 | 11.9 | 9.2 | 8.0 | 50 |
| 52 | | | | | | | | | | 15.4 | 13.8 | 10.7 | 11.4 | 8.6 | 7.5 | 52 |
| 54 | | | | | | | | | | | 13.2 | 10.1 | 10.9 | 8.0 | 7.0 | 54 |
| 56 | | | | | | | | | | | 12.2 | 9.2 | 10.0 | 7.8 | 6.5 | 56 |
| 58 | | | | | | | | | | | 11.7 | 8.4 | 9.6 | 7.0 | 6.1 | 58 |
| 60 | | | | | | | | | | | | 7.6 | 9.2 | 6.3 | 5.7 | 60 |
| 62 | | | | | | | | | | | | | 6.9 | 8.9 | 5.9 | 62 |
| 64 | | | | | | | | | | | | | | 5.4 | 4.9 | 64 |
| 66 | | | | | | | | | | | | | | | 4.5 | 66 |
| 68 | | | | | | | | | | | | | | | 4.0 | 68 |
| 70 | | | | | | | | | | | | | | | 3.9 | 70 |
| 72 | | | | | | | | | | | | | | | 3.6 | 72 |
| 74 | | | | | | | | | | | | | | | 3.3 | 74 |
| 76 | | | | | | | | | | | | | | | 3.0 | 76 |
| 78 | | | | | | | | | | | | | | | 2.7 | 78 |
| 80 | | | | | | | | | | | | | | | | 80 |
| 82 | | | | | | | | | | | | | | | | 82 |

* load over rear with additional equipment installed.

Operating Range – TS

Telescopic boom with superlift



Load Chart – TS

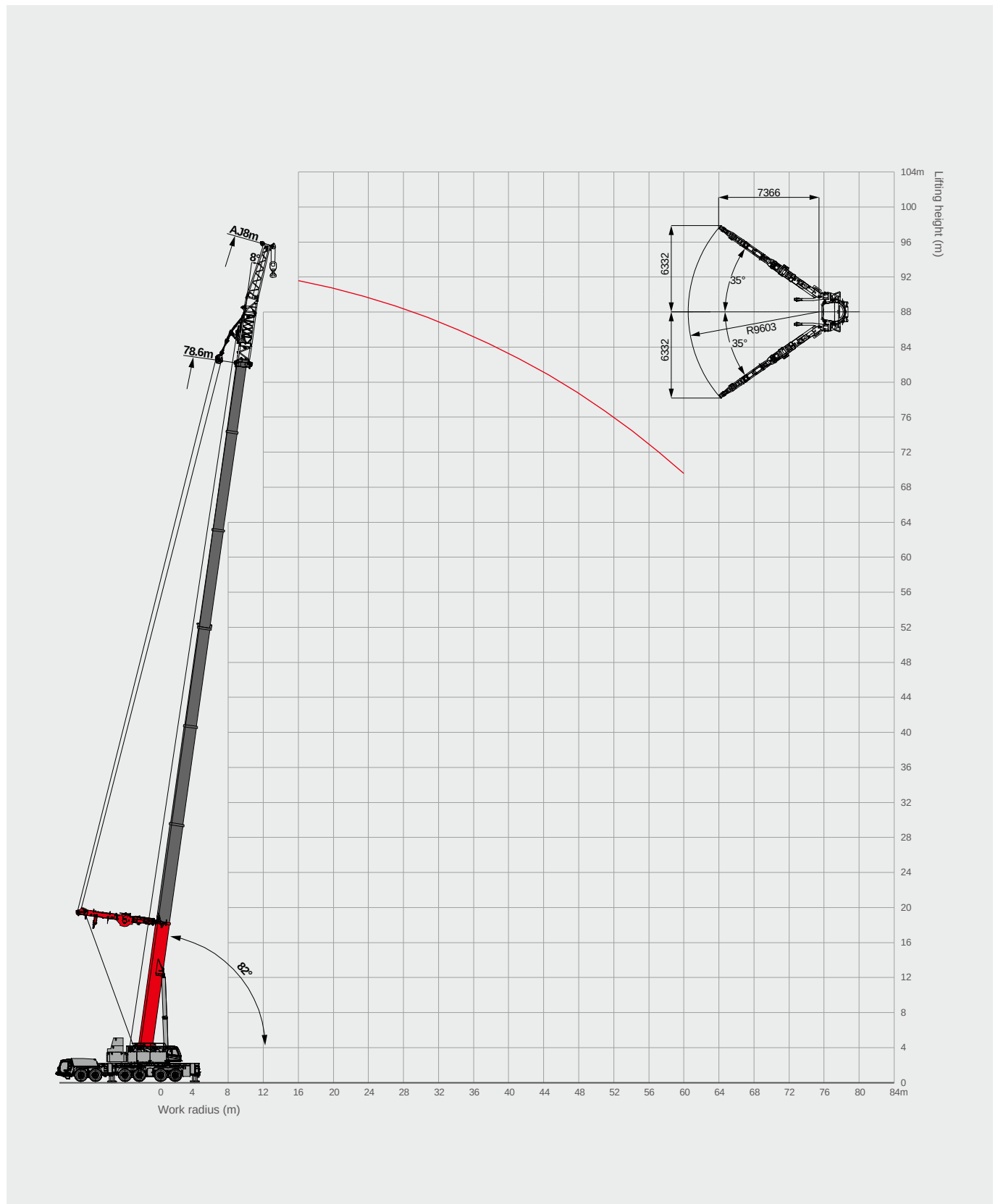


Unit: metric ton

| Radius (m) | 37 | 42.2 | 47.4 | 52.6 | 57.8 | 63 | 68.2 | 73.4 | 78.6 | 84 | Radius (m) |
|------------|-------|-------|-------|-------|------|------|------|------|------|------|------------|
| 4.5 | | | | | | | | | | | 4.5 |
| 5 | 170.0 | | | | | | | | | | 5 |
| 6 | 160.0 | 129.0 | | | | | | | | | 6 |
| 7 | 152.0 | 127.0 | 140.0 | | | | | | | | 7 |
| 8 | 144.0 | 125.0 | 131.0 | 107.0 | | | | | | | 8 |
| 9 | 136.0 | 121.0 | 123.0 | 101.0 | | | | | | | 9 |
| 10 | 119.5 | 117.0 | 115.0 | 98.0 | 93.5 | | | | | | 10 |
| 12 | 102.1 | 101.8 | 100.6 | 91.0 | 85.0 | 78.0 | | | | | 12 |
| 14 | 88.6 | 90.4 | 88.8 | 85.5 | 78.5 | 72.9 | 65.0 | 55.8 | | | 14 |
| 16 | 76.7 | 78.6 | 77.0 | 77.2 | 72.0 | 69.3 | 59.4 | 53.1 | 46.8 | 42.0 | 16 |
| 18 | 67.3 | 69.1 | 67.5 | 67.7 | 67.0 | 66.6 | 56.7 | 51.3 | 44.5 | 39.5 | 18 |
| 20 | 59.6 | 61.3 | 59.7 | 59.9 | 59.6 | 60.3 | 53.1 | 48.6 | 42.6 | 36.5 | 20 |
| 22 | 53.0 | 54.8 | 53.1 | 53.3 | 54.9 | 54.0 | 49.5 | 46.8 | 41.0 | 34.6 | 22 |
| 24 | 47.5 | 49.3 | 47.6 | 47.7 | 51.3 | 49.5 | 46.8 | 44.1 | 39.6 | 33.0 | 24 |
| 26 | 42.8 | 44.5 | 42.9 | 43.1 | 47.4 | 45.8 | 44.6 | 41.0 | 37.8 | 31.5 | 26 |
| 28 | 38.8 | 40.4 | 38.8 | 38.8 | 43.1 | 41.7 | 41.9 | 37.8 | 36.0 | 30.2 | 28 |
| 30 | 35.3 | 37.0 | 35.2 | 35.3 | 39.7 | 38.1 | 38.7 | 35.1 | 34.6 | 28.8 | 30 |
| 32 | 32.2 | 33.7 | 32.0 | 32.1 | 36.4 | 35.0 | 35.8 | 32.8 | 32.4 | 27.5 | 32 |
| 34 | | 31.0 | 29.2 | 29.2 | 33.6 | 32.2 | 33.0 | 30.2 | 30.2 | 26.5 | 34 |
| 36 | | 28.0 | 26.7 | 26.6 | 31.1 | 29.6 | 30.4 | 27.4 | 27.9 | 25.3 | 36 |
| 38 | | 26.4 | 24.5 | 24.4 | 28.8 | 27.3 | 28.1 | 25.5 | 25.8 | 24.2 | 38 |
| 40 | | | 22.5 | 22.4 | 26.7 | 25.0 | 25.9 | 23.4 | 23.8 | 23.2 | 40 |
| 42 | | | 20.6 | 20.5 | 24.8 | 23.0 | 23.9 | 21.6 | 22.1 | 21.8 | 42 |
| 44 | | | | 18.8 | 22.8 | 21.0 | 22.0 | 19.8 | 20.5 | 20.2 | 44 |
| 46 | | | | 17.2 | 21.2 | 19.5 | 20.3 | 18.1 | 19.0 | 18.7 | 46 |
| 48 | | | | | 19.6 | 18.0 | 18.8 | 16.5 | 17.5 | 17.4 | 48 |
| 50 | | | | | 18.3 | 16.6 | 17.5 | 15.1 | 16.0 | 16.1 | 50 |
| 52 | | | | | 17.0 | 15.2 | 16.1 | 13.8 | 14.8 | 15.0 | 52 |
| 54 | | | | | | 14.0 | 14.9 | 12.7 | 13.6 | 13.6 | 54 |
| 56 | | | | | | 13.0 | 13.8 | 11.5 | 12.4 | 12.6 | 56 |
| 58 | | | | | | | 12.7 | 10.5 | 11.4 | 11.5 | 58 |
| 60 | | | | | | | 11.8 | 9.6 | 10.4 | 10.6 | 60 |
| 62 | | | | | | | 10.9 | 8.6 | 9.5 | 9.6 | 62 |
| 64 | | | | | | | | 7.8 | 8.6 | 8.8 | 64 |
| 66 | | | | | | | | 7.0 | 7.8 | 8.0 | 66 |
| 68 | | | | | | | | | 7.1 | 7.3 | 68 |
| 70 | | | | | | | | | 6.3 | 6.5 | 70 |
| 72 | | | | | | | | | 5.3 | 5.8 | 72 |
| 74 | | | | | | | | | | 5.2 | 74 |
| 76 | | | | | | | | | | 4.5 | 76 |
| 78 | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | 80 |

Operating Range – TSEAJ

Telescopic boom & boom extension & auxiliary jib



Load Chart – TSEAJ

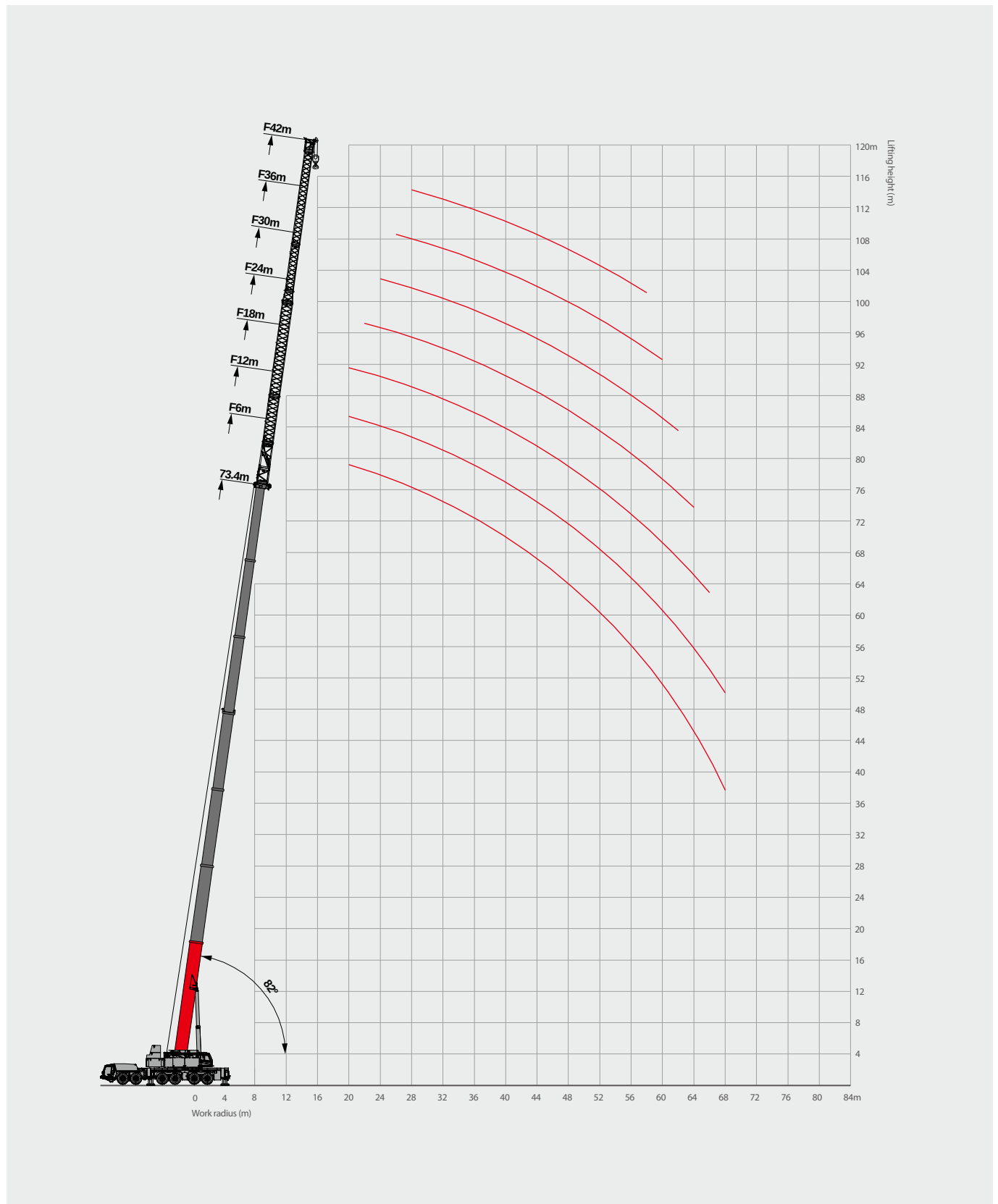


Unit: metric ton

| Radius (m) | 68.2 | 73.4 | 78.6 | Radius (m) |
|------------|------|------|------|------------|
| Jib offset | 8° | 8° | 8° | Jib offset |
| 16 | 65 | 56 | 45 | 16 |
| 18 | 54 | 42 | 38 | 18 |
| 20 | 42 | 30 | 30 | 20 |
| 22 | 32.2 | 28.2 | 24 | 22 |
| 24 | 31.1 | 26.3 | 23 | 24 |
| 26 | 26.8 | 24.1 | 22.1 | 26 |
| 28 | 23.3 | 21 | 21.2 | 28 |
| 30 | 20.4 | 19.1 | 20.4 | 30 |
| 32 | 17.8 | 17.4 | 19.2 | 32 |
| 34 | 15.5 | 16.3 | 16.9 | 34 |
| 36 | 13.6 | 14.3 | 15 | 36 |
| 38 | 11.8 | 12.6 | 13.2 | 38 |
| 40 | 10.4 | 11 | 11.7 | 40 |
| 42 | 9.1 | 9.7 | 10.2 | 42 |
| 44 | 7.8 | 8.4 | 8.9 | 44 |
| 46 | 6.6 | 7.4 | 7.6 | 46 |
| 48 | 5.6 | 6.3 | 6.5 | 48 |
| 50 | 4.7 | 5 | 6 | 50 |
| 52 | 3.2 | 4.1 | 4.8 | 52 |
| 54 | 2.8 | 3.2 | 3.4 | 54 |
| 56 | 2 | 2.2 | 2.8 | 56 |
| 58 | 1.2 | 1.5 | 2.1 | 58 |
| 60 | | | 1.2 | 60 |
| Rope rate | 6 | 5 | 4 | Rope rate |

Operating Range – TF

Telescopic boom with fixed jib



Load Chart – TF



Unit: metric ton

| Radius (m) | 57.8 | | | | | | 63 | | | | | | Radius (m) | |
|------------|------|------|------|-----|-----|-----|------|------|------|------|-----|-----|------------|-----|
| | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | | 42m |
| Jib offset | 0° | | | | | | 0° | | | | | | Jib offset | |
| 14 | | | | | | | | | | | | | | 14 |
| 16 | 21.1 | | | | | | 20.8 | | | | | | | 16 |
| 18 | 20 | 17.3 | | | | | 19.7 | 16.6 | 13.2 | | | | | 18 |
| 20 | 18.7 | 16.4 | 13.2 | 9.1 | | | 18.4 | 15.8 | 13.0 | 10.9 | | | | 20 |
| 22 | 17.5 | 15.6 | 12.8 | 8.8 | 7.5 | | 17.0 | 15 | 12.6 | 10.7 | 8.1 | | | 22 |
| 24 | 16.4 | 14.6 | 12.1 | 8.5 | 7.2 | 6.4 | 16.0 | 14.2 | 12.1 | 10.1 | 8.0 | 6.6 | | 24 |
| 26 | 15.4 | 13.8 | 11.2 | 8.1 | 6.9 | 6.1 | 14.9 | 13.3 | 11.5 | 9.3 | 7.8 | 6.4 | 5.4 | 26 |
| 28 | 14.3 | 13.0 | 10.2 | 7.8 | 6.7 | 5.9 | 13.8 | 12.5 | 10.9 | 8.5 | 7.5 | 6.3 | 5.3 | 28 |
| 30 | 13.3 | 12.1 | 9.2 | 7.4 | 6.4 | 5.6 | 12.8 | 11.6 | 10.3 | 7.7 | 7.3 | 6.0 | 5.0 | 30 |
| 32 | 12.5 | 11.4 | 8.7 | 7.1 | 6.2 | 5.4 | 12.0 | 10.9 | 9.8 | 7.2 | 6.9 | 5.8 | 4.8 | 32 |
| 34 | 11.6 | 10.7 | 8.2 | 6.8 | 5.8 | 5.2 | 11.2 | 10.2 | 9.2 | 6.9 | 6.6 | 5.7 | 4.7 | 34 |
| 36 | 10.9 | 10.0 | 7.7 | 6.5 | 5.6 | 4.9 | 10.4 | 9.5 | 8.6 | 6.5 | 6.2 | 5.5 | 4.4 | 36 |
| 38 | 10.1 | 9.4 | 7.2 | 6.2 | 5.3 | 4.8 | 9.6 | 8.9 | 8.2 | 6.1 | 5.9 | 5.2 | 4.3 | 38 |
| 40 | 9.4 | 8.8 | 6.7 | 5.9 | 5.1 | 4.6 | 8.9 | 8.3 | 7.6 | 5.8 | 5.7 | 5.0 | 4.2 | 40 |
| 42 | 8.6 | 8.2 | 6.3 | 5.7 | 4.9 | 4.3 | 8.3 | 7.7 | 7.1 | 5.4 | 5.4 | 4.7 | 4.0 | 42 |
| 44 | 8 | 7.6 | 5.9 | 5.4 | 4.6 | 4.1 | 7.6 | 7.2 | 6.6 | 5.1 | 5.0 | 4.4 | 3.8 | 44 |
| 46 | 7.3 | 7.0 | 5.5 | 5.1 | 4.3 | 4.0 | 7.0 | 6.6 | 6.2 | 4.7 | 4.7 | 4.2 | 3.7 | 46 |
| 48 | 6.8 | 6.5 | 5.1 | 4.7 | 4.1 | 3.8 | 6.4 | 6.1 | 5.8 | 4.4 | 4.4 | 3.9 | 3.5 | 48 |
| 50 | 6.2 | 6.0 | 4.8 | 4.4 | 3.9 | 3.6 | 5.9 | 5.6 | 5.4 | 4.1 | 4.0 | 3.6 | 3.4 | 50 |
| 52 | 5.8 | 5.5 | 4.4 | 4.1 | 3.7 | 3.5 | 5.3 | 5.2 | 4.9 | 3.8 | 3.7 | 3.3 | 3.1 | 52 |
| 54 | 5.3 | 5.0 | 4.1 | 3.8 | 3.5 | 3.2 | 4.8 | 4.7 | 4.6 | 3.5 | 3.5 | 3.1 | 2.9 | 54 |
| 56 | 4.6 | 4.6 | 3.8 | 3.5 | 3.3 | 3.1 | 4.4 | 4.2 | 4.2 | 3.2 | 3.1 | 2.9 | 2.6 | 56 |
| 58 | 3.7 | 4.2 | 3.5 | 3.2 | 3.1 | 3.0 | 4.0 | 3.8 | 3.8 | 3.0 | 2.9 | 2.6 | 2.4 | 58 |
| 60 | 3.1 | 3.2 | 2.6 | 3.0 | 2.6 | 2.8 | 3.6 | 2.9 | 2.9 | 2.2 | 2.6 | 2.2 | 2.2 | 60 |
| 62 | 2.4 | 2.9 | 2.4 | 2.2 | 2.2 | 2.1 | 3.2 | 2.6 | 2.6 | 2.0 | 2.0 | 1.7 | 1.6 | 62 |
| 64 | 1.7 | 2.6 | 2.1 | 2.0 | 1.9 | 1.9 | 3.0 | 2.3 | 2.3 | 1.8 | 1.8 | 1.5 | | 64 |
| 66 | 1.2 | 2.0 | 2 | 1.8 | 1.7 | 1.7 | 2.2 | 1.7 | 2.1 | 1.5 | 1.5 | | | 66 |
| 68 | | 1.5 | 1.7 | 1.6 | 1.5 | 1.5 | | 1.2 | 1.8 | | | | | 68 |
| 70 | | | 1.5 | | | | | | | | | | | 70 |
| 72 | | | | | | | | | | | | | | 72 |
| 74 | | | | | | | | | | | | | | 74 |

Load Chart – TF

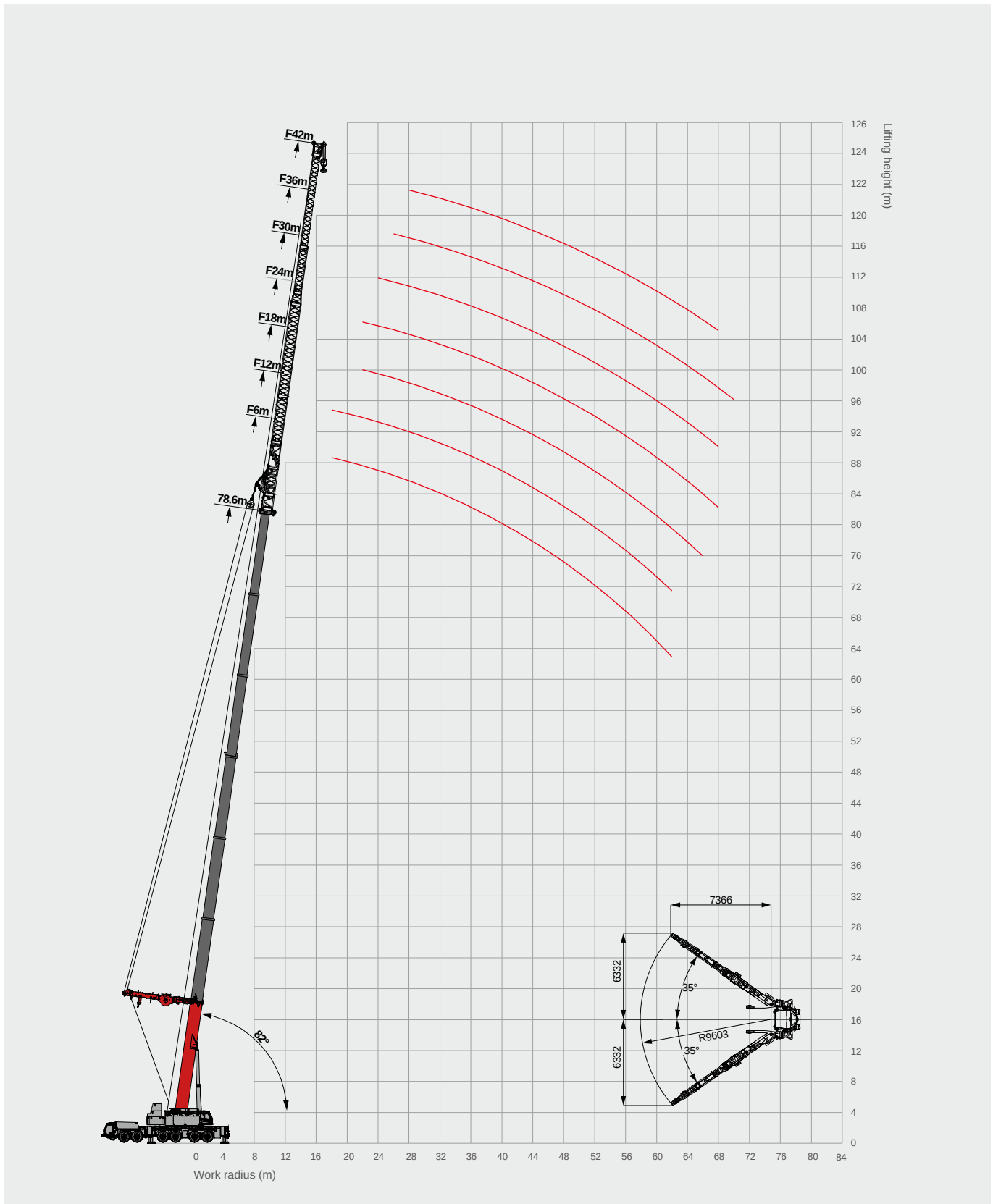


Unit: metric ton

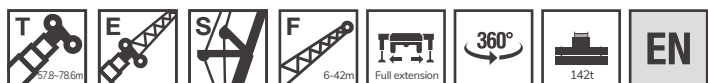
| Radius (m) | 68.2 | | | | | | | 73.4 | | | | | | | Radius (m) |
|------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------------|
| | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | |
| 14 | | | | | | | | | | | | | | | 14 |
| 16 | | | | | | | | | | | | | | | 16 |
| 18 | 16.6 | | | | | | | | | | | | | | 18 |
| 20 | 15.7 | 13.1 | 10.4 | | | | | 13.1 | | | | | | | 20 |
| 22 | 14.9 | 12.6 | 10.2 | 8.4 | | | | 12.4 | 10.5 | 8.5 | 7.0 | | | | 22 |
| 24 | 14.0 | 12.0 | 9.8 | 8.0 | 6.1 | | | 11.7 | 10.0 | 8.2 | 6.7 | | | | 24 |
| 26 | 13.2 | 11.4 | 9.5 | 7.5 | 6.0 | 4.7 | | 11.0 | 9.5 | 7.9 | 6.3 | 5.0 | | | 26 |
| 28 | 12.4 | 10.8 | 9.1 | 6.8 | 5.8 | 4.6 | 3.6 | 10.3 | 9.0 | 7.6 | 5.7 | 4.8 | 3.8 | | 28 |
| 30 | 11.5 | 10.2 | 8.8 | 6.2 | 5.6 | 4.4 | 3.6 | 9.6 | 8.5 | 7.3 | 5.2 | 4.7 | 3.7 | 3.0 | 30 |
| 32 | 10.8 | 9.6 | 8.4 | 6.0 | 5.4 | 4.4 | 3.5 | 9.0 | 8.0 | 7.0 | 5.0 | 4.5 | 3.7 | 2.9 | 32 |
| 34 | 10.1 | 9.0 | 7.9 | 5.7 | 5.1 | 4.3 | 3.4 | 8.4 | 7.5 | 6.6 | 4.8 | 4.3 | 3.6 | 2.8 | 34 |
| 36 | 9.4 | 8.5 | 7.6 | 5.5 | 4.9 | 4.1 | 3.4 | 7.8 | 7.1 | 6.3 | 4.6 | 4.1 | 3.4 | 2.8 | 36 |
| 38 | 8.8 | 7.9 | 7.2 | 5.2 | 4.7 | 3.9 | 3.2 | 7.3 | 6.6 | 6.0 | 4.3 | 3.9 | 3.2 | 2.7 | 38 |
| 40 | 8.2 | 7.4 | 6.7 | 4.9 | 4.6 | 3.8 | 3.1 | 6.8 | 6.2 | 5.6 | 4.1 | 3.8 | 3.1 | 2.6 | 40 |
| 42 | 7.6 | 7.0 | 6.4 | 4.7 | 4.4 | 3.5 | 3.0 | 6.3 | 5.8 | 5.3 | 3.9 | 3.6 | 2.9 | 2.5 | 42 |
| 44 | 7.0 | 6.5 | 5.9 | 4.4 | 4.1 | 3.4 | 2.9 | 5.8 | 5.4 | 4.9 | 3.7 | 3.4 | 2.9 | 2.4 | 44 |
| 46 | 6.5 | 6.0 | 5.5 | 4.1 | 3.9 | 3.3 | 2.8 | 5.4 | 5.0 | 4.6 | 3.4 | 3.3 | 2.8 | 2.3 | 46 |
| 48 | 6.0 | 5.5 | 5.2 | 3.9 | 3.7 | 3.1 | 2.5 | 5.0 | 4.6 | 4.3 | 3.2 | 3.1 | 2.6 | 2.1 | 48 |
| 50 | 5.5 | 5.2 | 4.8 | 3.6 | 3.3 | 3 | 2.4 | 4.6 | 4.3 | 4.0 | 3.0 | 2.8 | 2.5 | 2.0 | 50 |
| 52 | 5.0 | 4.7 | 4.4 | 3.3 | 3.1 | 2.7 | 2.3 | 4.2 | 3.9 | 3.7 | 2.7 | 2.6 | 2.3 | 1.9 | 52 |
| 54 | 4.6 | 4.3 | 4.1 | 3.1 | 2.9 | 2.5 | 2.2 | 3.8 | 3.6 | 3.4 | 2.6 | 2.4 | 2.1 | 1.8 | 54 |
| 56 | 4.1 | 4.0 | 3.7 | 2.8 | 2.7 | 2.3 | 1.9 | 3.4 | 3.3 | 3.1 | 2.3 | 2.2 | 1.9 | 1.6 | 56 |
| 58 | 3.7 | 3.6 | 3.5 | 2.6 | 2.5 | 2.2 | 1.8 | 3.1 | 3.0 | 2.9 | 2.1 | 2.0 | 1.8 | | 58 |
| 60 | 3.4 | 2.7 | 2.6 | 2.0 | 2.1 | 1.9 | | 2.8 | 2.7 | 2.6 | 2.0 | 1.8 | 1.6 | | 60 |
| 62 | 3.1 | 2.4 | 2.3 | 1.7 | 1.7 | | | 2.6 | 2.4 | 2.3 | 1.7 | | | | 62 |
| 64 | 2.8 | 2.1 | 2.1 | 1.5 | | | | 2.3 | 2.1 | 2.1 | 1.5 | | | | 64 |
| 66 | 2.4 | 1.9 | 1.8 | | | | | 2.0 | 1.9 | 1.8 | | | | | 66 |
| 68 | 2.2 | 1.7 | | | | | | 1.8 | | | | | | | 68 |
| 70 | 1.9 | | | | | | | 1.6 | | | | | | | 70 |
| 72 | | | | | | | | | | | | | | | 72 |
| 74 | | | | | | | | | | | | | | | 74 |

Operating Range – TSEF

Telescopic boom & superlift & boom extension & fixed jib



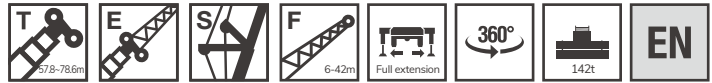
Load Chart – TSEF



Unit: metric ton

| Radius (m) | 57.8 | | | | | | 63 | | | | | | 68.2 | | | | | | Radius (m) | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|-----|-----|----|-----------|
| | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | | 36m | 42m | | |
| 14 | 41.7 | | | | | | | | | | | | | | | | | | | | | 14 | |
| 16 | 39.5 | 28.8 | | | | | 41.5 | | | | | | | | | | | | | | | | 16 |
| 18 | 37.4 | 27.2 | 21.1 | 16.2 | | | 40.5 | 36.6 | 26.7 | | | | | 36.2 | 32.7 | | | | | | | | 18 |
| 20 | 35.4 | 25.7 | 20.1 | 15.3 | 12.7 | 10.3 | 39.0 | 35.2 | 25.3 | 19.8 | 15.1 | | | 35.3 | 32.0 | 24.9 | 19.0 | | | | | | 20 |
| 22 | 33.7 | 24.5 | 19.0 | 14.6 | 12.1 | 9.8 | 37.4 | 33.7 | 24.2 | 18.8 | 14.3 | 11.9 | | 34.2 | 31.4 | 24.0 | 18.2 | 13.8 | | | | | 22 |
| 24 | 32.2 | 23.2 | 18.2 | 13.8 | 11.5 | 9.3 | 35.9 | 32.2 | 23.1 | 17.9 | 13.7 | 11.4 | 9.0 | 32.9 | 30.3 | 23.0 | 17.4 | 13.3 | 11.0 | 9.0 | | | 24 |
| 26 | 30.8 | 22.2 | 17.3 | 13.2 | 11.0 | 8.8 | 33.5 | 31.0 | 22.1 | 17.2 | 13.1 | 10.7 | 8.5 | 31.6 | 29.1 | 22.1 | 16.7 | 12.7 | 10.5 | 8.5 | | | 26 |
| 28 | 28.8 | 21.1 | 16.5 | 12.6 | 10.4 | 8.4 | 31.2 | 29.1 | 21.1 | 16.4 | 12.5 | 10.4 | 8.2 | 29.8 | 27.9 | 21.2 | 16.1 | 12.2 | 10.0 | 8.2 | | | 28 |
| 30 | 25.4 | 20.3 | 15.8 | 12.1 | 10.0 | 7.9 | 27.4 | 25.8 | 20.3 | 15.8 | 12.0 | 9.9 | 7.8 | 26.4 | 26.2 | 20.4 | 15.4 | 11.7 | 9.6 | 7.8 | | | 30 |
| 32 | 22.6 | 19.4 | 15.1 | 11.6 | 9.5 | 7.5 | 24.1 | 22.9 | 19.5 | 15.1 | 11.5 | 9.5 | 7.5 | 23.4 | 23.3 | 19.6 | 14.8 | 11.2 | 9.3 | 7.5 | | | 32 |
| 34 | 20.1 | 18.6 | 14.4 | 11.1 | 9.1 | 7.3 | 21.2 | 20.4 | 18.8 | 14.6 | 11.1 | 9.1 | 7.2 | 20.7 | 20.8 | 17.6 | 14.3 | 10.9 | 8.9 | 7.2 | | | 34 |
| 36 | 17.9 | 17.9 | 13.8 | 10.6 | 8.8 | 6.9 | 18.7 | 18.2 | 17.0 | 14.0 | 10.6 | 8.8 | 6.9 | 18.4 | 18.7 | 15.9 | 13.8 | 10.5 | 8.5 | 7.0 | | | 36 |
| 38 | 16.0 | 16.3 | 13.3 | 10.1 | 8.4 | 6.7 | 16.4 | 16.3 | 15.3 | 13.5 | 10.3 | 8.4 | 6.5 | 16.4 | 16.7 | 14.3 | 13.3 | 10.1 | 8.3 | 6.5 | | | 38 |
| 40 | 14.3 | 14.6 | 12.7 | 9.8 | 8.0 | 6.3 | 14.5 | 14.3 | 13.8 | 13.0 | 9.8 | 8.0 | 6.3 | 14.6 | 14.8 | 13.0 | 12.7 | 9.8 | 8.0 | 6.3 | | | 40 |
| 42 | 12.7 | 13.2 | 12.2 | 9.3 | 7.7 | 6.1 | 12.7 | 12.5 | 12.4 | 12.4 | 9.4 | 7.8 | 6.1 | 12.9 | 12.9 | 11.7 | 11.5 | 9.4 | 7.7 | 6.1 | | | 42 |
| 44 | 11.3 | 11.9 | 11.2 | 8.9 | 7.4 | 5.8 | 11.2 | 10.9 | 11.2 | 11.3 | 9.0 | 7.5 | 5.8 | 11.5 | 11.4 | 10.6 | 10.5 | 9.0 | 7.4 | 6.0 | | | 44 |
| 46 | 10.1 | 10.7 | 10.1 | 8.5 | 7.0 | 5.6 | 9.7 | 9.5 | 10.1 | 10.3 | 8.6 | 7.2 | 5.6 | 10.1 | 9.9 | 9.6 | 9.6 | 8.6 | 7.2 | 5.7 | | | 46 |
| 48 | 8.9 | 9.6 | 9.2 | 8.2 | 6.8 | 5.3 | 8.3 | 8.1 | 9.1 | 9.3 | 8.4 | 6.9 | 5.3 | 8.9 | 8.6 | 8.7 | 8.7 | 8.4 | 6.9 | 5.3 | | | 48 |
| 50 | 7.9 | 8.4 | 8.4 | 7.7 | 6.5 | 5.1 | 7.1 | 6.9 | 8.2 | 8.5 | 7.7 | 6.7 | 5.2 | 7.8 | 7.3 | 7.9 | 8.0 | 7.8 | 6.7 | 5.1 | | | 50 |
| 52 | 6.9 | 7.4 | 7.6 | 7.0 | 6.3 | 4.9 | 6.0 | 5.8 | 7.4 | 7.7 | 7.5 | 6.4 | 4.9 | 6.8 | 6.3 | 7.1 | 7.2 | 7.2 | 6.4 | 4.6 | | | 52 |
| 54 | 6.0 | 6.3 | 6.9 | 6.4 | 5.9 | 4.7 | 4.2 | 4.8 | 6.6 | 7.0 | 7.3 | 6.2 | 4.7 | 4.5 | 5.2 | 6.4 | 6.6 | 6.6 | 6.2 | 4.1 | | | 54 |
| 56 | 5.2 | 5.3 | 6.2 | 5.9 | 5.7 | 4.4 | 3.5 | 3.8 | 5.9 | 6.3 | 6.6 | 5.8 | 4.6 | 3.8 | 4.3 | 5.7 | 6.0 | 6.0 | 5.9 | 3.5 | | | 56 |
| 58 | 4.0 | 4.5 | 5.3 | 5.3 | 5.3 | 4.2 | 2.8 | 3.0 | 5.1 | 5.7 | 6.2 | 5.3 | 4.3 | 3.2 | 3.4 | 5.1 | 5.4 | 5.5 | 5.4 | 3.1 | | | 58 |
| 60 | 2.8 | 3.6 | 4.5 | 4.9 | 4.9 | 4.1 | 2.1 | 2.1 | 3.5 | 5.0 | 5.7 | 4.9 | 4.2 | 2.5 | 2.5 | 3.5 | 4.9 | 5.0 | 5.0 | 3.0 | | | 60 |
| 62 | | 2.9 | 3.6 | 4.4 | 4.5 | 3.8 | | 1.3 | 3.1 | 3.5 | 4.9 | 4.5 | 4.0 | 1.8 | 1.9 | 3.1 | 3.4 | 4.6 | 4.6 | 2.9 | | | 62 |
| 64 | | 2.2 | 3.1 | 3.2 | 4.1 | 3.7 | | | 2.3 | 2.9 | 4.1 | 4.1 | 3.8 | | | 2.7 | 3.0 | 3.2 | 4.2 | 2.3 | | | 64 |
| 66 | | 1.5 | 2.5 | 2.8 | 3.0 | 2.8 | | | | 2.6 | 3.5 | 3.0 | 2.9 | | | 2.1 | 2.5 | 2.6 | 2.9 | 1.8 | | | 66 |
| 68 | | | 1.7 | 2.2 | 2.6 | 2.7 | | | | 1.8 | 2.9 | 2.6 | 2.5 | | | 1.9 | 1.9 | 2.5 | 1.3 | | | | 68 |
| 70 | | | | 1.6 | 1.9 | 2.0 | | | | | 2.3 | 1.9 | 2.2 | | | | | | 1.9 | 0.7 | | | 70 |
| 72 | | | | | | 1.5 | | | | | 1.7 | | 1.8 | | | | | | | | | | 72 |
| 74 | | | | | | 1.1 | | | | | 1.2 | | 1.1 | | | | | | | | | | 74 |
| Rope rate | 4 | 3 | 2 | 2 | 1 | 1 | 4 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | | | Rope rate |

Load Chart – TSEF

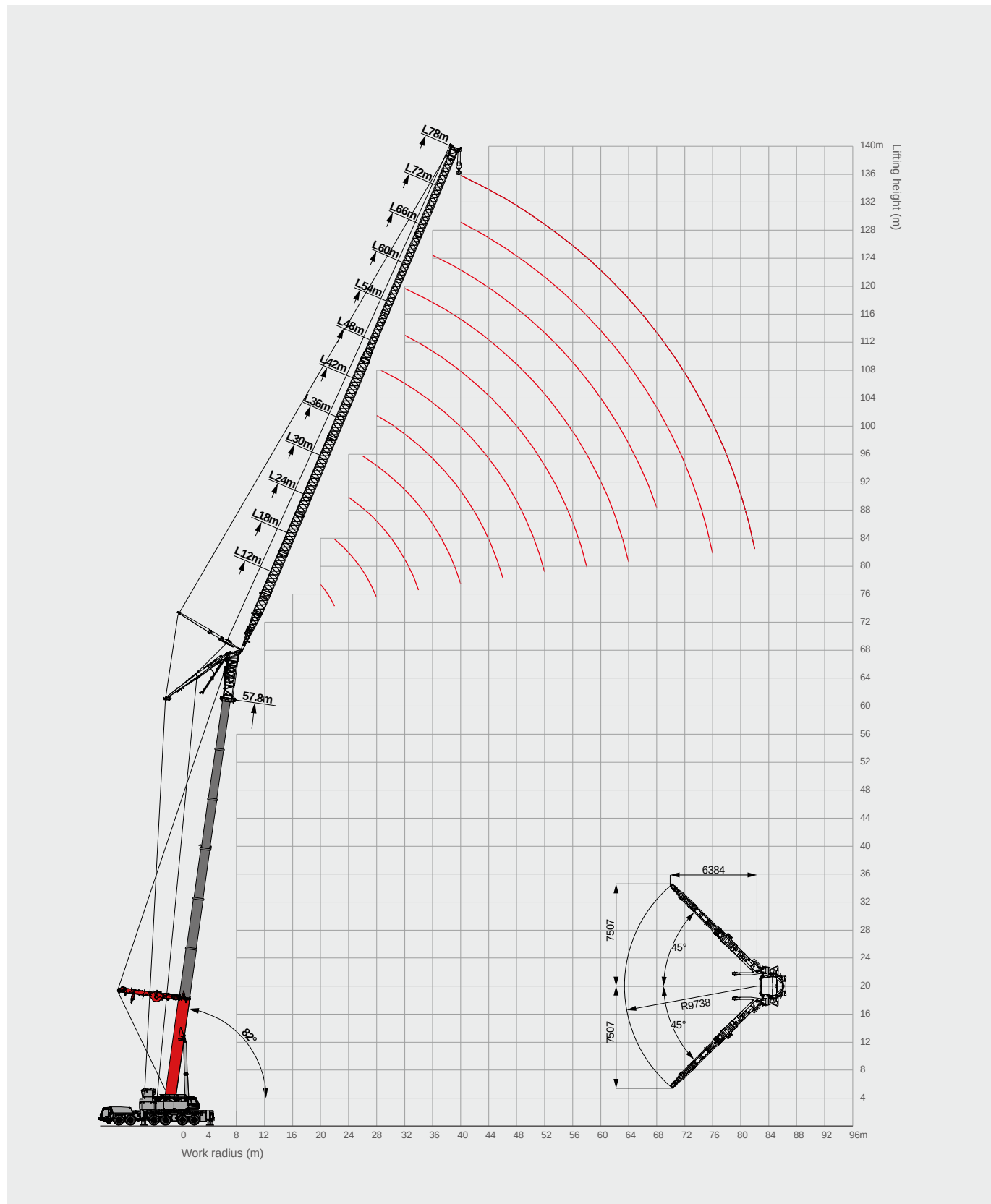


Unit: metric ton

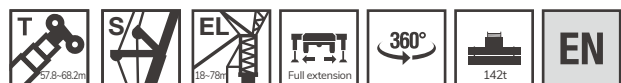
| Radius (m) | 73.4 | | | | | | | 78.6 | | | | | | | Radius (m) |
|------------|------|------|------|------|------|------|-----|------|------|------|------|-----|-----|-----|------------|
| | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | |
| 14 | | | | | | | | | | | | | | | 14 |
| 16 | | | | | | | | | | | | | | | 16 |
| 18 | 29.0 | 26.2 | | | | | | 23.2 | 20.9 | | | | | | 18 |
| 20 | 28.3 | 26.0 | 19.9 | | | | | 24.0 | 20.5 | | | | | | 20 |
| 22 | 27.4 | 25.8 | 19.7 | 17.0 | 12.4 | | 9.0 | 21.9 | 20.1 | 17.0 | 13.6 | | | | 22 |
| 24 | 26.4 | 24.8 | 18.9 | 16.2 | 12.0 | 10.0 | 8.5 | 21.1 | 19.6 | 16.2 | 12.9 | 9.6 | | | 24 |
| 26 | 25.3 | 23.9 | 18.1 | 15.5 | 11.4 | 9.5 | 8.0 | 20.3 | 19.2 | 15.4 | 12.4 | 9.1 | 8.6 | | 26 |
| 28 | 23.9 | 22.9 | 17.4 | 15.0 | 11.0 | 9.0 | 7.7 | 19.1 | 18.8 | 14.6 | 12.0 | 8.8 | 8.0 | 6.7 | 28 |
| 30 | 21.1 | 21.5 | 16.7 | 14.3 | 10.5 | 8.6 | 7.3 | 16.9 | 17.6 | 14.1 | 11.5 | 8.4 | 7.7 | 6.4 | 30 |
| 32 | 18.7 | 19.1 | 16.1 | 13.8 | 10.1 | 8.4 | 7.1 | 15.0 | 15.7 | 13.5 | 11.0 | 8.1 | 7.4 | 6.2 | 32 |
| 34 | 16.6 | 17.1 | 14.4 | 13.3 | 9.8 | 8.0 | 6.8 | 13.3 | 14.0 | 12.1 | 10.6 | 7.8 | 7.1 | 5.9 | 34 |
| 36 | 14.7 | 15.3 | 13.0 | 12.8 | 9.5 | 7.7 | 6.6 | 11.8 | 12.6 | 11.0 | 10.3 | 7.6 | 6.8 | 5.8 | 36 |
| 38 | 13.1 | 13.7 | 11.7 | 12.4 | 9.1 | 7.5 | 6.1 | 10.5 | 11.2 | 9.8 | 9.9 | 7.3 | 6.6 | 5.3 | 38 |
| 40 | 11.7 | 12.3 | 10.7 | 11.8 | 8.8 | 7.2 | 5.9 | 9.4 | 10.1 | 9.0 | 9.4 | 7.1 | 6.4 | 5.2 | 40 |
| 42 | 10.3 | 11.1 | 9.6 | 10.7 | 8.5 | 6.9 | 5.7 | 8.3 | 9.1 | 8.1 | 8.6 | 6.8 | 6.2 | 5.0 | 42 |
| 44 | 9.2 | 9.9 | 8.7 | 9.8 | 8.1 | 6.7 | 5.6 | 7.4 | 8.1 | 7.3 | 7.8 | 6.5 | 5.9 | 4.9 | 44 |
| 46 | 8.1 | 8.9 | 7.9 | 8.9 | 7.7 | 6.5 | 5.4 | 6.5 | 7.3 | 6.6 | 7.1 | 6.2 | 5.8 | 4.7 | 46 |
| 48 | 7.1 | 8.0 | 7.1 | 8.1 | 7.6 | 6.2 | 5.0 | 5.7 | 6.5 | 6.0 | 6.5 | 6.0 | 5.5 | 4.4 | 48 |
| 50 | 6.2 | 7.1 | 6.5 | 7.4 | 7.0 | 6.0 | 4.8 | 5.0 | 5.8 | 5.4 | 6.0 | 5.6 | 5.4 | 4.2 | 50 |
| 52 | 5.4 | 6.3 | 5.8 | 6.7 | 6.5 | 5.8 | 4.3 | 4.4 | 5.2 | 4.9 | 5.4 | 5.2 | 5.1 | 3.8 | 52 |
| 54 | 4.0 | 5.6 | 5.2 | 6.1 | 5.9 | 5.6 | 3.9 | 3.2 | 4.6 | 4.4 | 4.9 | 4.8 | 5.0 | 3.4 | 54 |
| 56 | 3.3 | 4.9 | 4.7 | 5.6 | 5.4 | 5.3 | 3.3 | 2.6 | 4.0 | 3.9 | 4.5 | 4.3 | 4.7 | 2.9 | 56 |
| 58 | 2.9 | 3.4 | 4.2 | 5.0 | 5.0 | 4.9 | 2.9 | 2.3 | 2.8 | 3.5 | 4.0 | 4.0 | 4.3 | 2.5 | 58 |
| 60 | 2.3 | 2.9 | 2.9 | 4.6 | 4.5 | 4.5 | 2.8 | 1.8 | 2.4 | 2.4 | 3.6 | 3.6 | 4.0 | 2.5 | 60 |
| 62 | 1.7 | 2.0 | 2.5 | 3.2 | 4.1 | 4.1 | 2.7 | 1.4 | 1.6 | 2.1 | 2.5 | 3.3 | 3.7 | 2.4 | 62 |
| 64 | | | 2.2 | 2.8 | 2.9 | 3.8 | 2.5 | | | 1.9 | 2.2 | 2.3 | 3.4 | 2.2 | 64 |
| 66 | | | 1.7 | 2.3 | 2.3 | 2.6 | 2.4 | | | 1.4 | 1.9 | 1.9 | 2.3 | 2.1 | 66 |
| 68 | | | 1.8 | 2.0 | 2.3 | 2.2 | | | | 1.4 | 1.7 | 2.0 | 1.9 | | 68 |
| 70 | | | | | | 2.1 | | | | | | 1.8 | | | 70 |
| 72 | | | | | | | | | | | | | | | 72 |
| 74 | | | | | | | | | | | | | | | 74 |
| Rope rate | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | Rope rate |

Operating Range – TSEL

Telescopic boom & superlift & boom extension & luffing jib



Load Chart – TSEL

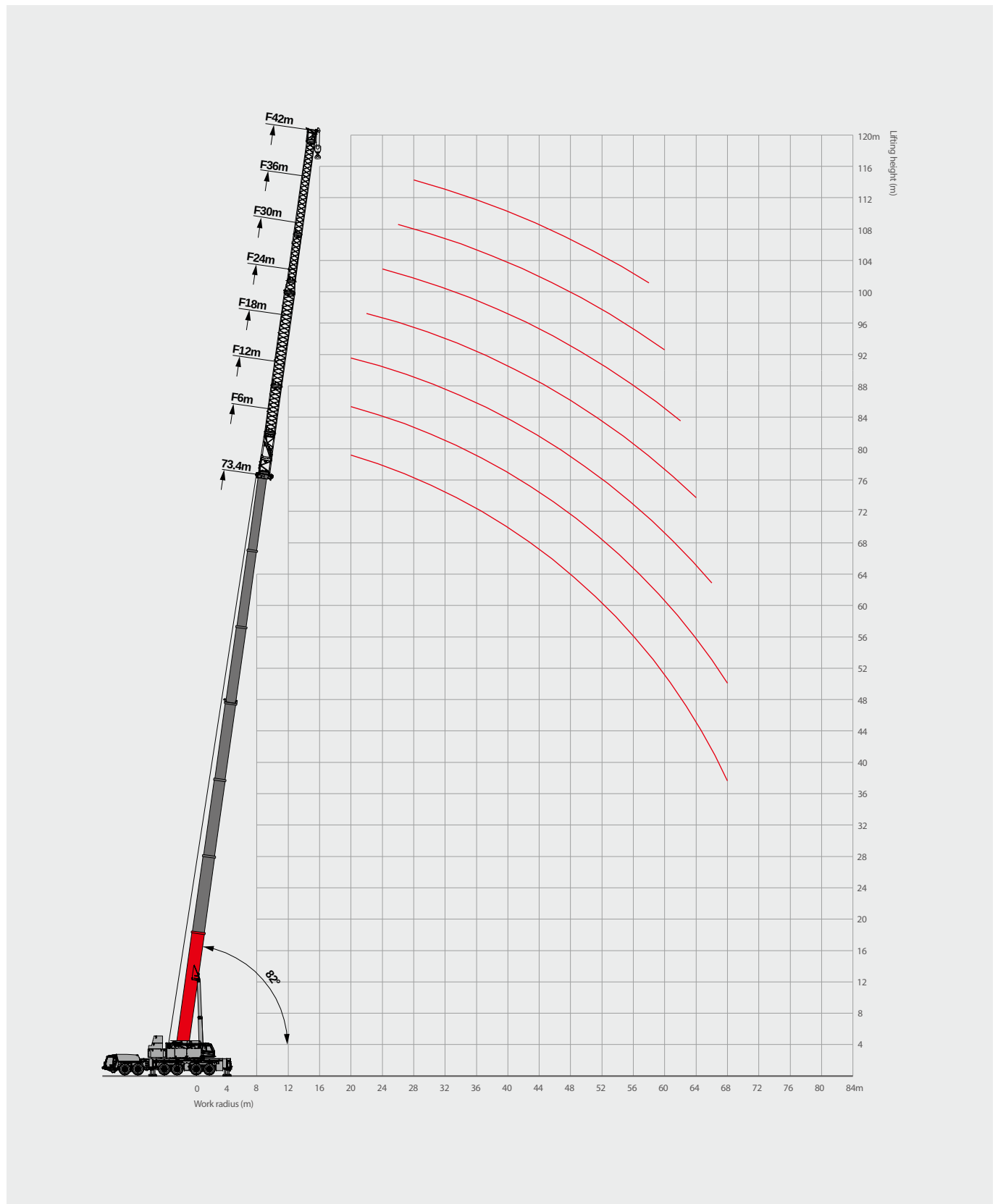


Unit: metric ton

| Radius (m) | 57.8 | | | | | | | | | | | | 63 | | | | | | 68.2 | | | | Radius (m) | |
|------------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-------|------|------------|----|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 60m | 66m | 72m | 78m | 18m | 24m | 30m | 36m | 42m | 48m | 18m | 24m | 30m | 36m | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | 14 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 20 | 31.8 | | | | | | | | | | | | 29.4 | | | | | | | | | | | 20 |
| 22 | 31.2 | 27.6 | | | | | | | | | | | 28.2 | 24 | | | | | 25.2 | | | | | 22 |
| 24 | 30.6 | 26.5 | 23.4 | | | | | | | | | | 27.6 | 23.4 | 20.4 | | | | 24.0 | 21.0 | | | | 24 |
| 26 | | 26.4 | 22.6 | 19.2 | | | | | | | | | 27.0 | 23.4 | 19.8 | 16.8 | | | 23.4 | 19.8 | 17.9 | | | 26 |
| 28 | | 25.6 | 22.2 | 19.0 | 13.8 | 12.0 | | | | | | | | 22.8 | 19.2 | 16.2 | 13.7 | | | 19.2 | 16.8 | 15.0 | | 28 |
| 30 | | 25.2 | 21.6 | 19.0 | 15.6 | 12.4 | 9.4 | | | | | | | 21.6 | 18.7 | 16.2 | 13.6 | 11.2 | | 18.0 | 16.4 | 14.4 | | 30 |
| 32 | | | 21.0 | 18.4 | 15.6 | 12.7 | 9.9 | 7.2 | | | | | | 20.6 | 18.2 | 16.2 | 13.4 | 11.4 | | 18.0 | 16.8 | 14.4 | | 32 |
| 34 | | | 20.4 | 18.4 | 15.6 | 13.2 | 10.2 | 7.4 | 4.2 | 3.0 | | | | | 18 | 15.8 | 13.3 | 11.4 | | | 15.72 | 13.6 | | 34 |
| 36 | | | 20.3 | 18.0 | 15.6 | 13.0 | 10.4 | 7.8 | 4.8 | 3.4 | | | | | 17.8 | 15.6 | 13.2 | 11.4 | | | 15.0 | 13.3 | | 36 |
| 38 | | | | 17.5 | 15.0 | 12.7 | 10.4 | 7.8 | 5.4 | 3.6 | 1.8 | | | | 16.8 | 15.2 | 13.8 | 11.4 | | | 14.4 | 13.1 | | 38 |
| 40 | | | | 17.4 | 14.8 | 12.5 | 10.4 | 7.8 | 6.0 | 4.2 | 1.9 | | | | | 15.0 | 12.8 | 11.2 | | | | 12.8 | | 40 |
| 42 | | | | 16.8 | 14.5 | 12.2 | 10.2 | 7.8 | 6.0 | 4.4 | 2.2 | | | | | 14.8 | 12.5 | 11.4 | | | | 12.5 | | 42 |
| 44 | | | | | 14.3 | 12.0 | 10.2 | 7.8 | 6.0 | 4.4 | 2.4 | | | | | 14.4 | 12.2 | 10.9 | | | | 11.4 | | 44 |
| 46 | | | | | 13.8 | 11.8 | 10.1 | 7.8 | 6.0 | 4.4 | 2.8 | | | | | | 12.1 | 10.7 | | | | | | 46 |
| 48 | | | | | 13.2 | 11.5 | 9.8 | 7.8 | 6.0 | 4.4 | 3.0 | | | | | | 12.0 | 10.4 | | | | | | 48 |
| 50 | | | | | | 11.3 | 9.7 | 7.8 | 6.0 | 4.4 | 3.0 | | | | | 10.8 | 10.2 | | | | | | | 50 |
| 52 | | | | | | 11.4 | 9.6 | 7.8 | 6.0 | 4.4 | 3.0 | | | | | | 10.0 | | | | | | | 52 |
| 54 | | | | | | 10.8 | 9.4 | 7.6 | 6.0 | 4.4 | 3.1 | | | | | | 9.7 | | | | | | | 54 |
| 56 | | | | | | | 9.1 | 7.4 | 6.0 | 4.4 | 3.1 | | | | | | 9.4 | | | | | | | 56 |
| 58 | | | | | | | 8.8 | 7.3 | 5.9 | 4.4 | 3.1 | | | | | | | | | | | | | 58 |
| 60 | | | | | | | 8.4 | 7.2 | 5.8 | 4.4 | 3.1 | | | | | | | | | | | | | 60 |
| 62 | | | | | | | | 7.0 | 5.6 | 4.4 | 3.1 | | | | | | | | | | | | | 62 |
| 64 | | | | | | | | 6.7 | 5.5 | 4.4 | 3.1 | | | | | | | | | | | | | 64 |
| 66 | | | | | | | | 6.6 | 5.4 | 4.4 | 3.1 | | | | | | | | | | | | | 66 |
| 68 | | | | | | | | | 5.3 | 4.3 | 3.1 | | | | | | | | | | | | | 68 |
| 70 | | | | | | | | | 5.0 | 4.2 | 2.9 | | | | | | | | | | | | | 70 |
| 72 | | | | | | | | | 4.8 | 4.1 | 2.6 | | | | | | | | | | | | | 72 |
| 74 | | | | | | | | | | 3.8 | 2.5 | | | | | | | | | | | | | 74 |
| 76 | | | | | | | | | | 3.6 | 2.4 | | | | | | | | | | | | | 76 |
| 78 | | | | | | | | | | 3.2 | 2.3 | | | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | 2.2 | | | | | | | | | | | | | 80 |
| 82 | | | | | | | | | | | 2.0 | | | | | | | | | | | | | 82 |
| 84 | | | | | | | | | | | 1.8 | | | | | | | | | | | | | 84 |

Operating Range – TF(Z)

Telescopic boom with heavy fixed jib



Load Chart – TF(Z)



Unit: metric ton

| Radius (m) | 47.4 | | | | | 52.6 | | | | | | 57.8 | | | | | | Radius (m) | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|-----------|
| | 18m | 24m | 30m | 36m | 42m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | | 42m |
| 12 | | | | | | 30.6 | | | | | | 29.6 | | | | | | | 12 |
| 14 | 23.9 | 19.2 | 16.8 | | | 27.4 | 21.8 | 18.6 | | | | 26.5 | 26.3 | 21.4 | | | | | 14 |
| 16 | 22.5 | 18.4 | 15.6 | 12.9 | | 25.7 | 21.0 | 17.8 | 15.2 | 12.6 | | 25 | 24.7 | 20.0 | 16.4 | 14.5 | | | 16 |
| 18 | 21.0 | 17.3 | 14.5 | 12.2 | 11.1 | 23.9 | 20.1 | 16.5 | 14.3 | 11.9 | 10.8 | 23.6 | 23.2 | 19.0 | 15.8 | 13.5 | 11.2 | 9.8 | 18 |
| 20 | 19.7 | 16.6 | 13.5 | 11.7 | 10.1 | 22.1 | 18.9 | 15.7 | 13.4 | 11.3 | 9.8 | 22 | 21.5 | 18.0 | 15.2 | 12.6 | 10.8 | 9.4 | 20 |
| 22 | 18.7 | 15.9 | 12.5 | 10.9 | 9.2 | 20.6 | 18.1 | 15.0 | 12.6 | 10.6 | 8.9 | 20.3 | 20.0 | 17.2 | 14.7 | 11.5 | 10.2 | 8.8 | 22 |
| 24 | 17.5 | 15.0 | 11.6 | 10.0 | 8.4 | 19.1 | 17.1 | 14.0 | 11.6 | 9.8 | 8.1 | 19 | 18.5 | 16.1 | 13.9 | 10.9 | 9.4 | 8.2 | 24 |
| 26 | 16.5 | 13.8 | 10.8 | 9.3 | 7.8 | 17.6 | 16.3 | 12.8 | 10.9 | 9.0 | 7.6 | 17.7 | 17.2 | 15.2 | 12.9 | 10.1 | 8.6 | 7.6 | 26 |
| 28 | 15.6 | 12.3 | 10.3 | 8.5 | 7.3 | 16.2 | 15.3 | 11.7 | 10.1 | 8.3 | 7.1 | 16.3 | 15.9 | 14.3 | 11.7 | 9.5 | 8.0 | 7.0 | 28 |
| 30 | 14.6 | 11.0 | 9.6 | 7.8 | 6.9 | 15.1 | 14.6 | 10.5 | 9.4 | 7.6 | 6.7 | 15.1 | 14.6 | 13.3 | 10.6 | 8.8 | 7.4 | 6.4 | 30 |
| 32 | 14.0 | 10.5 | 9.1 | 7.1 | 6.6 | 13.9 | 13.9 | 9.9 | 8.7 | 6.9 | 6.4 | 14.1 | 13.6 | 12.5 | 10.0 | 8.2 | 6.8 | 6.0 | 32 |
| 34 | 13.2 | 9.9 | 8.5 | 6.9 | 6.2 | 12.9 | 13.0 | 9.5 | 8.0 | 6.7 | 6.1 | 13.1 | 12.5 | 11.8 | 9.4 | 7.7 | 6.4 | 5.7 | 34 |
| 36 | 12.5 | 9.3 | 7.9 | 6.5 | 6.0 | 11.9 | 12.2 | 9.0 | 7.5 | 6.3 | 5.8 | 12.1 | 11.7 | 11.0 | 8.9 | 7.2 | 6.2 | 5.4 | 36 |
| 38 | 12.0 | 8.9 | 7.3 | 6.1 | 5.7 | 11.0 | 11.3 | 8.6 | 6.8 | 5.9 | 5.5 | 11.2 | 10.7 | 10.3 | 8.3 | 6.6 | 5.8 | 5.3 | 38 |
| 40 | 11.3 | 8.3 | 6.8 | 5.8 | 5.4 | 9.9 | 10.6 | 8.0 | 6.3 | 5.6 | 5.3 | 10.3 | 9.9 | 9.7 | 7.7 | 6.1 | 5.6 | 5.1 | 40 |
| 42 | 10.8 | 7.9 | 6.4 | 5.4 | 5.2 | 9.2 | 9.9 | 7.7 | 6.0 | 5.3 | 5.1 | 9.6 | 8.9 | 9.0 | 7.2 | 5.9 | 5.4 | 4.7 | 42 |
| 44 | 10.3 | 7.6 | 5.9 | 5.1 | 4.9 | 8.3 | 9.0 | 7.4 | 5.8 | 5.0 | 4.7 | 8.8 | 8.2 | 8.4 | 6.8 | 5.6 | 5.1 | 4.5 | 44 |
| 46 | 9.9 | 7.2 | 5.5 | 4.9 | 4.6 | 7.6 | 8.4 | 6.9 | 5.5 | 4.7 | 4.5 | 8 | 7.4 | 7.7 | 6.3 | 5.3 | 4.7 | 4.4 | 46 |
| 48 | 9.3 | 6.9 | 5.2 | 4.6 | 4.5 | 6.9 | 7.8 | 6.5 | 5.3 | 4.5 | 4.4 | 7.3 | 6.9 | 7.2 | 5.9 | 4.9 | 4.5 | 4.2 | 48 |
| 50 | 8.7 | 6.6 | 4.9 | 4.4 | 4.2 | 6.4 | 7.4 | 6.1 | 5.0 | 4.3 | 4.1 | 6.7 | 6.2 | 6.6 | 5.5 | 4.6 | 4.3 | 4.0 | 50 |
| 52 | 8.1 | 6.3 | 4.7 | 4.2 | 4.1 | 5.8 | 6.7 | 5.6 | 4.8 | 4.1 | 4.0 | 6 | 5.7 | 6.1 | 5.1 | 4.3 | 4.1 | 3.9 | 52 |
| 54 | 7.5 | 6.1 | 4.5 | 4.1 | 3.9 | 5.2 | 6.2 | 5.2 | 4.6 | 4.0 | 3.7 | 5.4 | 5.2 | 5.5 | 4.7 | 4.0 | 3.9 | 3.5 | 54 |
| 56 | 6.9 | 5.9 | 4.3 | 3.9 | 3.6 | 4.6 | 5.7 | 4.8 | 4.4 | 3.7 | 3.5 | 5 | 4.7 | 5.1 | 4.4 | 3.6 | 3.6 | 3.4 | 56 |
| 58 | 6.3 | 5.5 | 4.1 | 3.7 | 3.5 | 3.5 | 5.3 | 4.4 | 4.1 | 3.6 | 3.4 | 4.5 | 4.1 | 4.6 | 4.0 | 3.3 | 3.4 | 3.3 | 58 |
| 60 | 4.8 | 4.3 | 4.0 | 3.4 | 3.4 | 3.1 | 4.0 | 3.4 | 3.7 | 3.3 | 3.3 | 4 | 3.1 | 3.5 | 3.0 | 3.1 | 2.9 | 3.1 | 60 |
| 62 | 4.3 | 4.0 | 3.1 | 2.8 | 2.7 | 2.8 | 3.7 | 3.1 | 2.8 | 2.8 | 2.6 | 3.1 | 2.8 | 3.2 | 2.8 | 2.3 | 2.4 | 2.3 | 62 |
| 64 | | 3.7 | 3.0 | 2.6 | 2.5 | 2.5 | 3.4 | 2.9 | 2.7 | 2.5 | 2.4 | 2.2 | 2.6 | 2.9 | 2.4 | 2.1 | 2.1 | 2.1 | 64 |
| 66 | | 3.5 | 2.9 | 2.4 | 2.4 | | 3.0 | 2.6 | 2.4 | 2.3 | 2.3 | | 2.5 | 2.6 | 2.3 | 1.9 | 1.8 | 1.9 | 66 |
| 68 | | 3.0 | 2.7 | 2.3 | 2.3 | | | 2.3 | 2.2 | 2.2 | 2.2 | | | 2.4 | 2.0 | 1.8 | 1.5 | 1.7 | 68 |
| 70 | | | 2.6 | 2.0 | 2.2 | | | 2.2 | 2.0 | 2.0 | 2.1 | | | 2.0 | 1.7 | 1.6 | | 1.6 | 70 |
| 72 | | | 2.4 | | 1.9 | | | 2.0 | 1.8 | | 1.9 | | | | | | | 1.5 | 72 |
| 74 | | | 2.1 | | | | | | 1.5 | | | | | | | | | 1.4 | 74 |
| 76 | | | | | | | | | | | | | | | | | | | 76 |
| 78 | | | | | | | | | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | | | | | | | | | 80 |
| Rope rate | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | Rope rate |

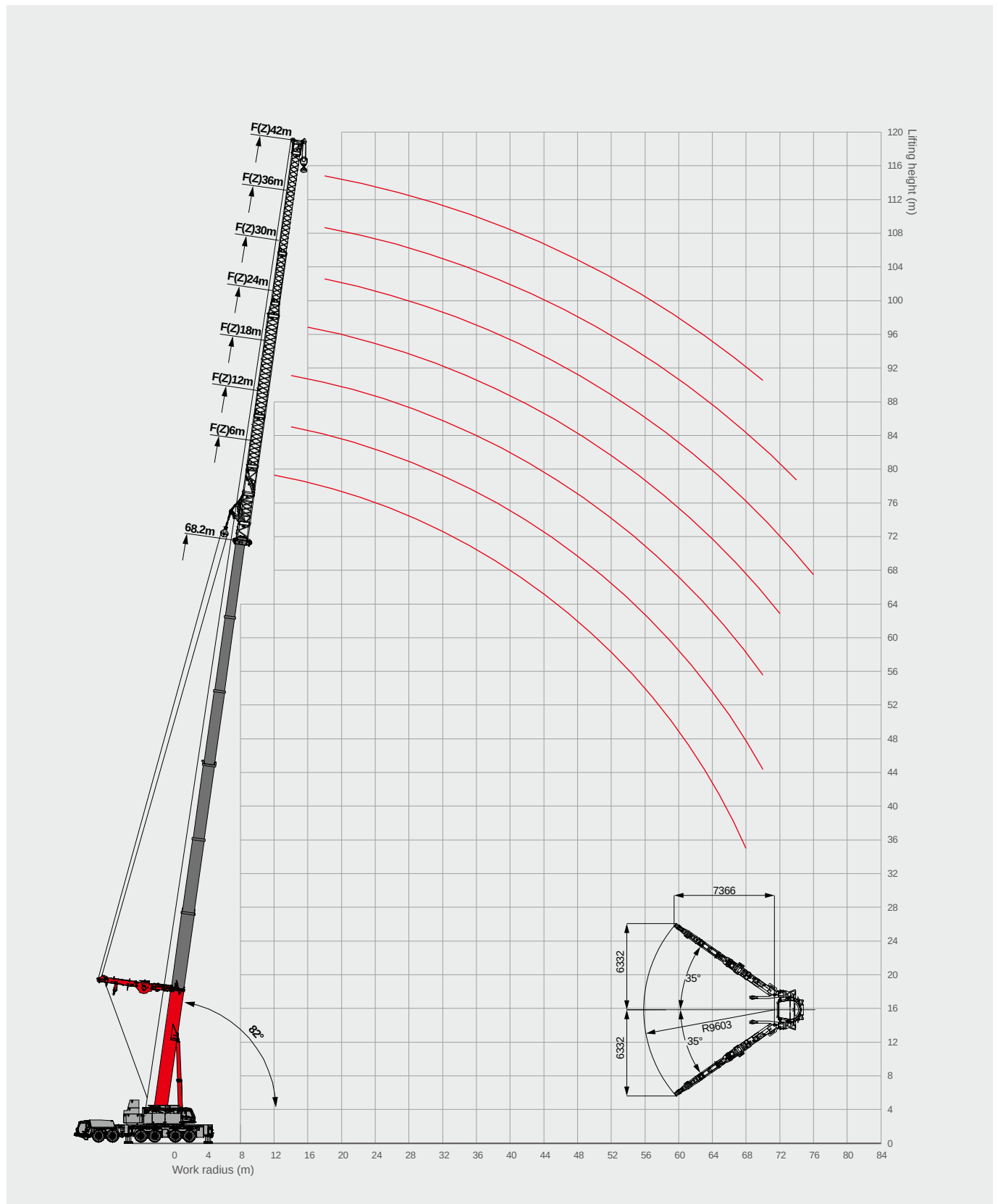
Load Chart – TF(Z)



| Radius (m) | 63 | | | | | | | 68.2 | | | | | | | 73.4 | | | | | | | Radius (m) | |
|------------|------|------|------|------|------|------|-----|------|------|------|------|------|-----|-----|------|------|------|-----|-----|-----|-----|------------|----|
| | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 14 | 22.0 | | 19.5 | | | | | | | | | | | | | | | | | | | | 14 |
| 16 | 20.8 | 22.5 | 18.2 | 15.1 | 13.5 | | | 17.8 | 19.0 | 14.9 | 13.8 | | | | 15.1 | | 11.9 | | | | | | 16 |
| 18 | 19.7 | 21.3 | 16.7 | 14.4 | 12.4 | 10.6 | | 17.2 | 18.0 | 12.9 | 12.3 | 10.6 | | | 14.6 | 14.4 | 10.3 | 8.6 | 8.4 | | | | 18 |
| 20 | 18.4 | 20.4 | 15.6 | 13.6 | 11.7 | 10.2 | 9.2 | 16.6 | 17.0 | 12.4 | 11.2 | 9.9 | 8.8 | 7.3 | 14.1 | 13.6 | 9.9 | 7.8 | 7.9 | 7.0 | 5.1 | | 20 |
| 22 | 17.0 | 19.3 | 14.5 | 12.6 | 10.5 | 9.5 | 8.5 | 15.7 | 16.0 | 12.1 | 10.2 | 8.9 | 8.1 | 6.7 | 13.3 | 12.8 | 9.7 | 7.1 | 7.1 | 6.5 | 4.7 | | 22 |
| 24 | 16.0 | 18.2 | 13.9 | 11.6 | 9.6 | 8.6 | 7.8 | 14.9 | 15.2 | 11.6 | 9.4 | 8.1 | 7.4 | 6.2 | 12.7 | 12.2 | 9.3 | 6.6 | 6.5 | 5.9 | 4.3 | | 24 |
| 26 | 14.9 | 17.0 | 13.2 | 10.7 | 9.0 | 8.0 | 7.1 | 14.0 | 14.4 | 11.2 | 8.6 | 7.6 | 6.8 | 5.8 | 11.9 | 11.5 | 8.9 | 6.0 | 6.1 | 5.4 | 4.1 | | 26 |
| 28 | 13.8 | 15.8 | 12.5 | 9.8 | 8.4 | 7.6 | 6.6 | 13.2 | 13.6 | 10.6 | 7.8 | 7.1 | 6.4 | 5.5 | 11.2 | 10.9 | 8.5 | 5.5 | 5.7 | 5.1 | 3.8 | | 28 |
| 30 | 12.8 | 14.8 | 11.8 | 8.9 | 8.4 | 6.9 | 6.0 | 12.4 | 12.7 | 10.3 | 7.3 | 7.1 | 6.0 | 5.0 | 10.5 | 10.2 | 8.2 | 5.1 | 5.7 | 4.8 | 3.5 | | 30 |
| 32 | 12.0 | 13.6 | 11.3 | 8.3 | 7.7 | 6.4 | 5.5 | 11.5 | 11.9 | 9.7 | 6.9 | 6.5 | 5.6 | 4.6 | 9.8 | 9.5 | 7.8 | 4.8 | 5.2 | 4.5 | 3.3 | | 32 |
| 34 | 11.2 | 12.6 | 10.6 | 7.9 | 7.2 | 6.3 | 5.2 | 10.8 | 11.1 | 9.1 | 6.6 | 6.1 | 5.3 | 4.4 | 9.2 | 8.9 | 7.3 | 4.6 | 4.9 | 4.3 | 3.0 | | 34 |
| 36 | 10.4 | 11.7 | 9.9 | 7.5 | 6.5 | 6.1 | 4.8 | 10.1 | 10.4 | 8.7 | 6.3 | 5.5 | 5.0 | 4.1 | 8.6 | 8.3 | 7.0 | 4.4 | 4.4 | 4.0 | 2.9 | | 36 |
| 38 | 9.6 | 10.8 | 9.4 | 7.0 | 6.0 | 5.7 | 4.7 | 9.4 | 9.7 | 8.2 | 6.0 | 5.1 | 4.7 | 4.0 | 8.0 | 7.8 | 6.6 | 4.2 | 4.1 | 3.8 | 2.8 | | 38 |
| 40 | 8.9 | 10.1 | 8.7 | 6.7 | 5.6 | 5.5 | 4.6 | 8.8 | 8.9 | 7.6 | 5.6 | 4.8 | 4.3 | 3.9 | 7.5 | 7.1 | 6.1 | 3.9 | 3.8 | 3.4 | 2.7 | | 40 |
| 42 | 8.3 | 9.3 | 8.2 | 6.2 | 5.3 | 5.2 | 4.4 | 8.2 | 8.3 | 7.3 | 5.4 | 4.5 | 4.0 | 3.8 | 7.0 | 6.6 | 5.8 | 3.8 | 3.6 | 3.2 | 2.7 | | 42 |
| 44 | 7.6 | 8.5 | 7.6 | 5.9 | 4.9 | 4.8 | 4.2 | 7.6 | 7.8 | 6.7 | 5.1 | 4.2 | 3.7 | 3.7 | 6.5 | 6.2 | 5.3 | 3.5 | 3.3 | 3.0 | 2.6 | | 44 |
| 46 | 7.0 | 7.9 | 7.1 | 5.4 | 4.6 | 4.6 | 4.1 | 7.0 | 7.2 | 6.2 | 4.7 | 3.9 | 3.6 | 3.6 | 6.0 | 5.7 | 5.0 | 3.3 | 3.1 | 2.9 | 2.5 | | 46 |
| 48 | 6.4 | 7.2 | 6.7 | 5.1 | 4.3 | 4.3 | 3.9 | 6.5 | 6.5 | 5.8 | 4.5 | 3.6 | 3.4 | 3.3 | 5.5 | 5.2 | 4.7 | 3.1 | 2.9 | 2.7 | 2.3 | | 48 |
| 50 | 5.9 | 6.6 | 6.2 | 4.7 | 4.0 | 4.0 | 3.7 | 6.0 | 5.9 | 5.4 | 4.1 | 3.5 | 3.2 | 3.1 | 5.1 | 4.8 | 4.3 | 2.9 | 2.8 | 2.6 | 2.2 | | 50 |
| 52 | 5.3 | 6.0 | 5.6 | 4.4 | 3.8 | 3.6 | 3.4 | 5.5 | 5.6 | 4.9 | 3.8 | 3.3 | 3.0 | 3.0 | 4.7 | 4.5 | 3.9 | 2.6 | 2.6 | 2.4 | 2.1 | | 52 |
| 54 | 4.8 | 5.5 | 5.3 | 4.0 | 3.6 | 3.4 | 3.2 | 5.0 | 5.0 | 4.5 | 3.5 | 3.1 | 2.8 | 2.9 | 4.3 | 4.0 | 3.6 | 2.5 | 2.5 | 2.2 | 2.0 | | 54 |
| 56 | 4.4 | 4.9 | 4.8 | 3.7 | 3.2 | 3.2 | 2.9 | 4.6 | 4.5 | 4.1 | 3.2 | 2.7 | 2.5 | 2.6 | 3.9 | 3.6 | 3.3 | 2.2 | 2.2 | 2.0 | 1.8 | | 56 |
| 58 | 4.0 | 4.4 | 4.4 | 3.5 | 3.0 | 2.9 | 2.6 | 4.1 | 4.2 | 3.8 | 2.9 | 2.6 | 2.3 | 2.5 | 3.5 | 3.3 | 3.1 | 2.1 | 2.1 | 1.8 | 1.7 | | 58 |
| 60 | 3.6 | 3.9 | 4.0 | 3.0 | 2.7 | 2.5 | 2.4 | 3.7 | 3.7 | 3.4 | 2.7 | 2.3 | 2.1 | | 3.1 | 3.0 | 2.7 | 1.9 | 1.8 | 1.7 | | 60 | |
| 62 | 3.2 | 3.0 | 3.6 | 2.7 | 2.1 | 2.3 | 1.8 | 3.4 | 2.8 | 3.0 | 2.3 | 1.8 | 1.9 | | 2.9 | 2.2 | 2.4 | 1.6 | 1.4 | 1.5 | | 62 | |
| 64 | 3.0 | 2.6 | 3.2 | 2.5 | 1.9 | 2.0 | | 3.1 | 2.4 | 2.7 | 2.1 | 1.6 | 1.7 | | 2.6 | 1.9 | 2.2 | 1.5 | 1.3 | 1.3 | | 64 | |
| 66 | 2.2 | 2.4 | 2.9 | 2.1 | 1.6 | 1.3 | | 2.8 | 2.1 | 2.3 | 1.9 | 1.4 | | | 2.4 | 1.7 | 1.9 | 1.3 | | | | 66 | |
| 68 | | 2.1 | 2.5 | 1.9 | | | | 2.4 | 1.9 | 2.1 | 1.5 | | | | 2.0 | | 1.6 | 1.1 | | | | 68 | |
| 70 | | 1.9 | 2.2 | 1.6 | | | | 2.2 | 1.7 | 1.8 | | | | | 1.9 | | 1.4 | | | | | 70 | |
| 72 | | | 1.7 | | | | | | | 1.5 | | | | | | | 1.2 | | | | | 72 | |
| 74 | | | | | | | | | | | | | | | | | | | | | | 74 | |
| 76 | | | | | | | | | | | | | | | | | | | | | | 76 | |
| 78 | | | | | | | | | | | | | | | | | | | | | | 78 | |
| 80 | | | | | | | | | | | | | | | | | | | | | | 80 | |
| Rope rate | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Rope rate | |

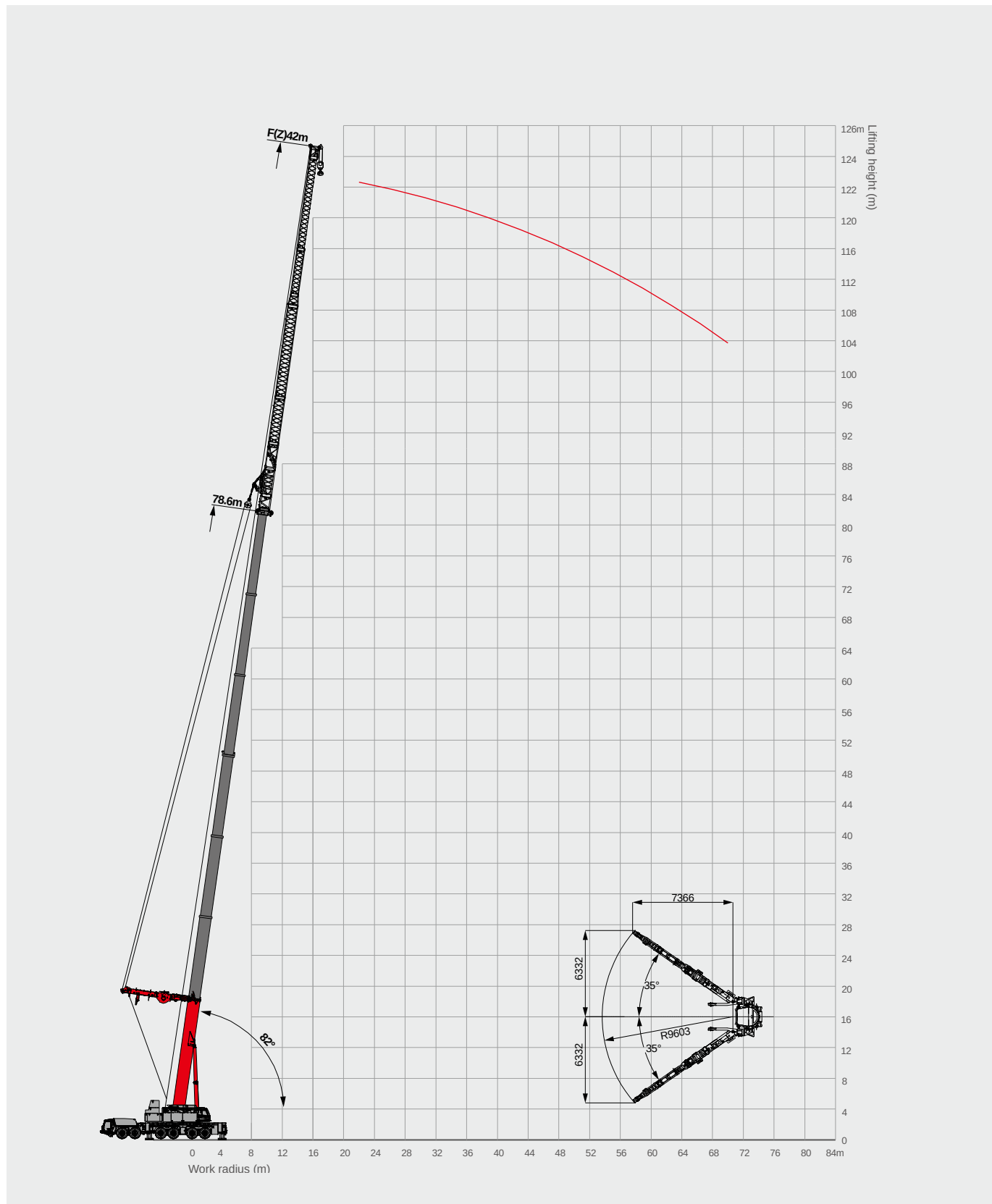
Operating Range – TSEF(Z)

Telescopic boom & superlift & boom extension & heavy fixed jib

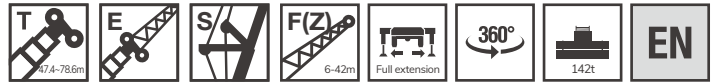


Operating Range – TSEF(Z)

Telescopic boom & superlift & boom extension & heavy fixed jib



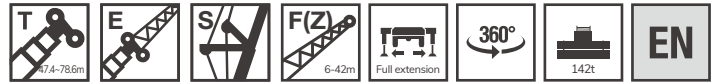
Load Chart – TSEF(Z)



Unit: metric ton

| Radius (m) | 47.4 | | | | | 52.6 | | | | | 57.8 | | | | | | Radius (m) |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| | 18m | 24m | 30m | 36m | 42m | 18m | 24m | 30m | 36m | 42m | 12m | 18m | 24m | 30m | 36m | 42m | |
| 12 | | | | | | | | | | | | | | | | | 12 |
| 14 | 46.0 | 36.5 | 28.9 | | | 44.6 | 35.4 | 28.1 | | | 49.8 | 45.1 | 33.4 | | | | 14 |
| 16 | 42.8 | 32.5 | 26.9 | 22.5 | 19.4 | 41.6 | 31.6 | 26.1 | 21.8 | | 44.7 | 40.9 | 31.5 | 25.8 | | | 16 |
| 18 | 40.1 | 30.6 | 24.9 | 21.1 | 18.1 | 38.9 | 29.7 | 24.2 | 20.5 | 17.5 | 40.8 | 37.1 | 29.6 | 24.2 | 20.2 | 17.2 | 18 |
| 20 | 36.4 | 28.5 | 23.4 | 19.9 | 17.0 | 35.3 | 27.7 | 22.7 | 19.3 | 16.4 | 37.8 | 33.2 | 28.0 | 22.7 | 19.1 | 16.2 | 20 |
| 22 | 31.8 | 26.9 | 21.9 | 18.6 | 16.1 | 30.8 | 26.1 | 21.3 | 18.0 | 15.6 | 34.7 | 28.7 | 26.4 | 21.5 | 18.1 | 15.3 | 22 |
| 24 | 28.4 | 25.2 | 20.7 | 17.5 | 15.1 | 27.6 | 24.5 | 20.1 | 17.0 | 14.6 | 32.6 | 26.6 | 24.9 | 20.5 | 17.1 | 14.3 | 24 |
| 26 | 26.2 | 24.2 | 19.7 | 16.5 | 14.3 | 25.4 | 23.5 | 19.1 | 16.0 | 13.9 | 30.8 | 24.6 | 23.0 | 19.4 | 16.1 | 13.6 | 26 |
| 28 | 24.2 | 22.9 | 18.7 | 15.5 | 13.6 | 23.5 | 22.3 | 18.1 | 15.1 | 13.1 | 28.8 | 22.7 | 21.6 | 18.4 | 15.3 | 12.8 | 28 |
| 30 | 22.5 | 21.3 | 17.7 | 14.7 | 12.9 | 21.8 | 20.7 | 17.2 | 14.3 | 12.5 | 25.7 | 21.1 | 20.1 | 17.5 | 14.5 | 12.2 | 30 |
| 32 | 21.0 | 19.9 | 16.9 | 14.0 | 12.2 | 20.4 | 19.3 | 16.4 | 13.6 | 11.8 | 23.3 | 19.5 | 18.8 | 16.7 | 13.9 | 11.6 | 32 |
| 34 | 19.4 | 18.5 | 16.2 | 13.3 | 11.6 | 18.9 | 17.9 | 15.7 | 12.9 | 11.2 | 21.6 | 18.1 | 17.5 | 16.0 | 13.1 | 11.0 | 34 |
| 36 | 17.9 | 17.4 | 15.4 | 12.8 | 11.0 | 17.4 | 16.9 | 14.9 | 12.4 | 10.7 | 20.0 | 17.0 | 16.3 | 15.3 | 12.6 | 10.6 | 36 |
| 38 | 16.8 | 16.2 | 14.7 | 12.1 | 10.6 | 16.3 | 15.7 | 14.3 | 11.8 | 10.3 | 18.5 | 15.8 | 15.3 | 14.2 | 12.1 | 10.1 | 38 |
| 40 | 15.5 | 15.1 | 14.1 | 11.6 | 10.0 | 15.1 | 14.6 | 13.7 | 11.2 | 9.9 | 17.2 | 14.8 | 14.3 | 13.3 | 11.6 | 9.6 | 40 |
| 42 | 14.4 | 14.1 | 13.2 | 11.1 | 9.6 | 14.0 | 13.7 | 12.8 | 10.8 | 9.3 | 15.9 | 14.1 | 13.5 | 12.4 | 11.1 | 9.3 | 42 |
| 44 | 13.6 | 13.2 | 12.3 | 10.7 | 9.1 | 13.2 | 12.8 | 12.0 | 10.4 | 8.9 | 14.7 | 13.4 | 12.6 | 11.7 | 10.7 | 8.9 | 44 |
| 46 | 12.9 | 12.3 | 11.5 | 10.3 | 8.6 | 12.5 | 12.0 | 11.2 | 10.0 | 8.5 | 13.8 | 12.7 | 11.8 | 11.0 | 10.3 | 8.5 | 46 |
| 48 | 12.2 | 11.6 | 10.8 | 9.8 | 8.2 | 11.9 | 11.2 | 10.6 | 9.5 | 8.1 | 12.5 | 11.9 | 11.1 | 10.3 | 9.6 | 8.2 | 48 |
| 50 | 11.6 | 11.0 | 10.3 | 9.5 | 7.9 | 11.2 | 10.7 | 10.1 | 9.2 | 7.8 | 10.8 | 11.0 | 10.5 | 9.6 | 9.0 | 7.8 | 50 |
| 52 | 10.4 | 10.4 | 9.7 | 9.0 | 7.6 | 10.1 | 10.1 | 9.2 | 8.7 | 7.5 | 9.3 | 10.1 | 9.9 | 9.0 | 8.5 | 7.5 | 52 |
| 54 | 9.2 | 9.7 | 9.2 | 8.4 | 7.2 | 8.8 | 9.4 | 8.6 | 8.2 | 7.1 | 7.9 | 9.0 | 9.2 | 8.5 | 7.8 | 7.2 | 54 |
| 56 | 8.2 | 9.1 | 8.6 | 7.9 | 6.9 | 7.6 | 8.7 | 8.3 | 7.6 | 6.7 | 6.6 | 7.9 | 8.7 | 8.0 | 7.4 | 6.9 | 56 |
| 58 | 7.2 | 8.4 | 7.9 | 7.3 | 6.7 | 6.4 | 7.6 | 7.7 | 7.1 | 6.5 | 5.4 | 6.7 | 7.7 | 7.4 | 6.9 | 6.5 | 58 |
| 60 | 6.3 | 7.6 | 7.3 | 6.9 | 6.3 | 5.2 | 6.5 | 7.1 | 6.7 | 6.1 | 4.3 | 5.5 | 6.6 | 7.0 | 6.5 | 6.0 | 60 |
| 62 | 5.4 | 6.9 | 6.9 | 6.3 | 6.0 | 4.2 | 5.4 | 6.4 | 6.1 | 5.8 | 3.2 | 4.5 | 5.6 | 6.5 | 6.0 | 5.6 | 62 |
| 64 | | 6.2 | 6.5 | 5.9 | 5.7 | 3.1 | 4.3 | 5.4 | 5.7 | 5.5 | 2.2 | 3.5 | 4.6 | 5.5 | 5.5 | 5.2 | 64 |
| 66 | | 5.3 | 5.5 | 5.5 | 5.2 | 2.3 | 3.5 | 4.5 | 5.2 | 4.6 | | 2.6 | 3.6 | 4.6 | 5.1 | 4.5 | 66 |
| 68 | | 4.4 | 4.7 | 4.9 | 4.9 | | 2.5 | 3.7 | 4.2 | 3.8 | | 1.8 | 2.8 | 3.8 | 4.2 | 3.6 | 68 |
| 70 | | | 4.0 | 4.3 | 4.6 | | | 2.8 | 3.5 | 2.9 | | | 2.0 | 2.9 | 3.5 | 2.8 | 70 |
| 72 | | | 3.4 | 3.8 | 4.2 | | | 2.0 | 2.6 | 2.2 | | | | 2.1 | 2.8 | 2.1 | 72 |
| 74 | | | | 3.4 | 3.8 | | | | 2.0 | 1.5 | | | | 1.5 | 2.0 | 1.4 | 74 |
| 76 | | | | 2.9 | 3.3 | | | | 1.2 | | | | | | | | 76 |
| 78 | | | | 2.4 | | | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | | | | | | | 80 |
| Rope rate | 4 | 3 | 3 | 2 | 2 | 4 | 4 | 3 | 2 | 2 | 5 | 4 | 3 | 3 | 3 | 2 | Rope rate |

Load Chart – TSEF(Z)

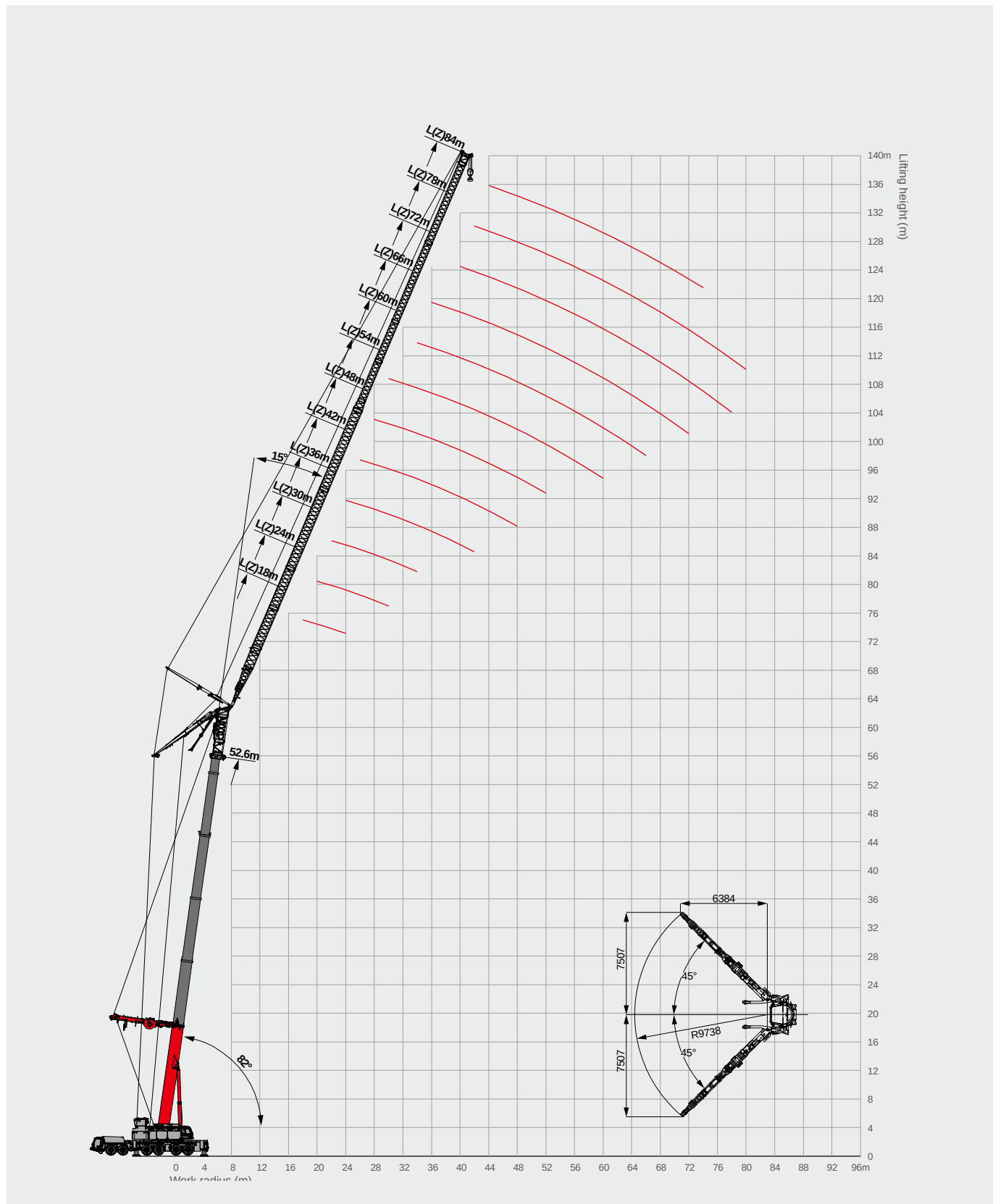


Unit: metric ton

| Radius (m) | 63 | | | | | | | 68.2 | | | | | | | 73.4 | 78.6 | Radius (m) |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 6m | 12m | 18m | 24m | 30m | 36m | 42m | 42m | 42m | |
| 12 | 58.5 | | | | | | | 53.0 | | | | | | | | | 12 |
| 14 | 52.8 | 47.6 | 42.5 | | | | | 48.8 | 44.5 | 35.5 | | | | | | | 14 |
| 16 | 48.2 | 43.0 | 39.4 | 31.3 | | | | 44.5 | 40.6 | 33.6 | 30.4 | | | | | | 16 |
| 18 | 44.8 | 39.2 | 35.8 | 29.8 | 24.2 | 20.0 | | 41.2 | 37.0 | 31.8 | 28.6 | 23.2 | 19.0 | 15.4 | | | 18 |
| 20 | 41.5 | 35.7 | 33.1 | 28.1 | 22.9 | 19.0 | 16.6 | 37.8 | 33.8 | 29.4 | 26.3 | 22.3 | 18.2 | 14.8 | | | 20 |
| 22 | 38.4 | 33.7 | 28.1 | 26.0 | 21.8 | 18.0 | 15.6 | 35.5 | 31.4 | 26.2 | 24.5 | 21.3 | 17.5 | 14.2 | 12.1 | 11.0 | 22 |
| 24 | 35.9 | 32.2 | 26.0 | 24.1 | 20.8 | 17.1 | 14.6 | 33.6 | 30.3 | 24.3 | 22.7 | 20.4 | 16.7 | 13.7 | 11.7 | 10.6 | 24 |
| 26 | 33.5 | 31.0 | 24.2 | 22.4 | 19.7 | 16.2 | 13.7 | 31.3 | 29.1 | 22.5 | 21.2 | 19.5 | 16.0 | 13.1 | 11.2 | 10.2 | 26 |
| 28 | 31.2 | 29.1 | 22.3 | 20.9 | 18.8 | 15.5 | 13.0 | 28.7 | 27.9 | 20.1 | 19.7 | 18.2 | 15.3 | 12.5 | 10.7 | 9.7 | 28 |
| 30 | 28.4 | 25.8 | 20.9 | 19.4 | 17.9 | 14.7 | 12.4 | 26.3 | 26.2 | 18.8 | 18.3 | 17.0 | 14.5 | 12.0 | 10.2 | 9.3 | 30 |
| 32 | 25.6 | 22.9 | 19.5 | 18.0 | 16.7 | 14.1 | 11.9 | 23.4 | 23.3 | 17.4 | 17.1 | 15.9 | 13.9 | 11.6 | 9.9 | 9.0 | 32 |
| 34 | 23.3 | 20.4 | 18.0 | 16.7 | 15.7 | 13.5 | 11.2 | 20.8 | 20.8 | 16.4 | 15.9 | 14.8 | 13.4 | 10.9 | 9.4 | 8.5 | 34 |
| 36 | 21.7 | 18.2 | 16.9 | 15.7 | 14.6 | 12.8 | 10.8 | 19.2 | 18.7 | 15.7 | 14.9 | 13.8 | 12.8 | 10.6 | 9.0 | 8.2 | 36 |
| 38 | 19.3 | 17.0 | 15.9 | 14.6 | 13.7 | 12.3 | 10.4 | 17.4 | 16.7 | 14.8 | 14.0 | 13.0 | 12.2 | 10.0 | 8.5 | 7.7 | 38 |
| 40 | 17.3 | 15.9 | 15.1 | 13.7 | 12.8 | 11.9 | 10.0 | 16.3 | 15.4 | 14.1 | 13.1 | 12.2 | 11.3 | 9.4 | 8.0 | 7.3 | 40 |
| 42 | 16.0 | 14.8 | 14.4 | 12.8 | 12.0 | 11.3 | 9.5 | 15.2 | 14.3 | 13.6 | 12.2 | 11.3 | 10.7 | 9.0 | 7.7 | 7.0 | 42 |
| 44 | 14.6 | 13.9 | 13.6 | 12.0 | 11.1 | 10.6 | 9.1 | 14.2 | 13.3 | 12.9 | 11.3 | 10.6 | 10.0 | 8.7 | 7.4 | 6.7 | 44 |
| 46 | 13.0 | 12.9 | 12.8 | 11.1 | 10.5 | 9.9 | 8.8 | 12.9 | 12.3 | 11.9 | 10.7 | 9.9 | 9.2 | 8.3 | 7.0 | 6.4 | 46 |
| 48 | 11.4 | 12.1 | 11.9 | 10.5 | 9.8 | 9.2 | 8.4 | 11.7 | 11.4 | 11.0 | 10.2 | 9.2 | 8.6 | 7.7 | 6.6 | 6.0 | 48 |
| 50 | 10.2 | 10.8 | 11.0 | 9.9 | 9.0 | 8.6 | 8.1 | 10.3 | 10.8 | 10.3 | 9.7 | 8.6 | 8.1 | 6.9 | 5.8 | 5.3 | 50 |
| 52 | 9.0 | 9.5 | 10.2 | 9.4 | 8.5 | 8.0 | 7.5 | 9.0 | 9.6 | 9.5 | 9.2 | 8.0 | 7.5 | 6.3 | 5.4 | 4.9 | 52 |
| 54 | 7.6 | 8.4 | 9.2 | 8.9 | 8.1 | 7.4 | 7.0 | 7.9 | 8.5 | 8.7 | 8.8 | 7.4 | 7.0 | 5.3 | 4.5 | 4.1 | 54 |
| 56 | 6.3 | 7.3 | 8.3 | 8.3 | 7.5 | 7.0 | 6.5 | 6.7 | 7.5 | 7.9 | 8.2 | 6.9 | 6.6 | 4.7 | 4.0 | 3.6 | 56 |
| 58 | 5.1 | 6.3 | 7.3 | 7.7 | 7.0 | 6.5 | 6.0 | 5.9 | 6.6 | 7.1 | 7.6 | 6.5 | 6.0 | 3.8 | 3.3 | 3.0 | 58 |
| 60 | 4.0 | 5.2 | 6.3 | 6.8 | 6.6 | 5.9 | 5.6 | 5.1 | 5.8 | 6.2 | 6.8 | 6.2 | 5.6 | 3.3 | 2.9 | 2.6 | 60 |
| 62 | 2.9 | 4.1 | 5.2 | 6.1 | 6.1 | 5.5 | 5.2 | 4.1 | 5.0 | 5.5 | 6.0 | 5.8 | 5.2 | 2.8 | 2.4 | 2.2 | 62 |
| 64 | 2.0 | 3.2 | 4.2 | 5.1 | 5.4 | 5.2 | 4.8 | 3.2 | 4.1 | 4.8 | 5.2 | 5.4 | 4.8 | 2.4 | 2.1 | 1.9 | 64 |
| 66 | | 2.2 | 3.3 | 4.3 | 4.9 | 4.7 | 4.5 | 2.2 | 3.1 | 4.1 | 4.6 | 5.1 | 4.3 | 2.1 | 1.8 | 1.6 | 66 |
| 68 | | | 2.5 | 3.3 | 4.2 | 4.1 | 3.9 | 1.3 | 2.2 | 3.1 | 3.9 | 4.5 | 3.9 | 1.9 | 1.7 | 1.5 | 68 |
| 70 | | | 1.6 | 2.5 | 3.3 | 3.7 | 3.2 | | 1.5 | 2.3 | 3.1 | 3.8 | 3.5 | 1.6 | 1.3 | 1.2 | 70 |
| 72 | | | | 1.9 | 2.5 | 3.1 | 2.3 | | | | 2.3 | 3.1 | 3.2 | | | | 72 |
| 74 | | | | | 1.8 | 2.3 | 1.6 | | | | | 2.3 | 2.7 | | | | 74 |
| 76 | | | | | 1.1 | | | | | | | 1.7 | | | | | 76 |
| 78 | | | | | | | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | | | | | | | 80 |
| Rope rate | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | Rope rate |

Operating Range – TSEL(Z)

Telescopic boom & superlift & boom extension & heavy luffing jib



Load Chart – TSEL(Z)



Unit: metric ton

| Radius (m) | 37 | | | | | | | | | | | | Radius (m) | |
|------------|------|------|------|------|------|------|------|------|------|------|------|-----|------------|-----------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 60m | 66m | 72m | 78m | 84m | | |
| 14 | 60.5 | | | | | | | | | | | | | 14 |
| 16 | 56.7 | 51.2 | | | | | | | | | | | | 16 |
| 18 | 54.1 | 50.4 | 45.2 | | | | | | | | | | | 18 |
| 20 | 53.2 | 50.0 | 43.4 | 36.8 | | | | | | | | | | 20 |
| 22 | | 49.3 | 42.5 | 36.5 | 30.7 | | | | | | | | | 22 |
| 24 | | 48.6 | 41.8 | 35.8 | 30.7 | 28.1 | | | | | | | | 24 |
| 26 | | 45.7 | 41.0 | 34.4 | 30.7 | 27.1 | 24.4 | | | | | | | 26 |
| 28 | | | 40.3 | 33.8 | 30.3 | 26.0 | 23.3 | 18.9 | | | | | | 28 |
| 30 | | | 39.0 | 33.1 | 29.6 | 25.0 | 22.4 | 18.2 | 16.1 | | | | | 30 |
| 32 | | | 36.0 | 32.7 | 28.4 | 24.6 | 21.5 | 17.4 | 15.6 | 13.7 | | | | 32 |
| 34 | | | 34.0 | 30.2 | 27.3 | 24.3 | 20.5 | 16.8 | 14.9 | 13.2 | 12.8 | | | 34 |
| 36 | | | | 30.0 | 26.0 | 23.9 | 19.7 | 16.2 | 14.4 | 12.7 | 12.4 | 9.0 | | 36 |
| 38 | | | | 28.7 | 24.3 | 23.6 | 19.5 | 15.6 | 13.9 | 12.3 | 12.1 | 9.0 | | 38 |
| 40 | | | | 27.2 | 23.0 | 23.2 | 19.3 | 15.0 | 13.4 | 11.9 | 11.7 | 9.0 | | 40 |
| 42 | | | | | 21.8 | 22.9 | 19.0 | 14.5 | 13.0 | 11.5 | 11.3 | 9.0 | | 42 |
| 44 | | | | | 20.7 | 22.3 | 18.7 | 14.0 | 12.6 | 11.1 | 10.9 | 9.0 | | 44 |
| 46 | | | | | 20.0 | 21.1 | 18.6 | 13.8 | 12.2 | 10.7 | 10.7 | 9.0 | | 46 |
| 48 | | | | | | 20.1 | 18.4 | 13.7 | 11.8 | 10.3 | 10.5 | 9.0 | | 48 |
| 50 | | | | | | 19.0 | 18.3 | 13.5 | 11.5 | 10.0 | 10.4 | 9.0 | | 50 |
| 52 | | | | | | | 17.6 | 13.4 | 11.2 | 9.6 | 10.0 | 9.0 | | 52 |
| 54 | | | | | | | 16.5 | 13.2 | 11.0 | 9.4 | 10.0 | 9.0 | | 54 |
| 56 | | | | | | | 15.6 | 13.1 | 10.8 | 9.2 | 9.7 | 9.0 | | 56 |
| 58 | | | | | | | 14.8 | 13.0 | 10.7 | 8.9 | 9.4 | 9.0 | | 58 |
| 60 | | | | | | | | 12.7 | 10.5 | 8.7 | 9.2 | 8.7 | | 60 |
| 62 | | | | | | | | 12.2 | 10.4 | 8.5 | 8.8 | 8.4 | | 62 |
| 64 | | | | | | | | | 10.2 | 8.4 | 8.8 | 8.2 | | 64 |
| 66 | | | | | | | | | 9.8 | 8.2 | 8.4 | 7.9 | | 66 |
| 68 | | | | | | | | | 9.2 | 8.1 | 8.1 | 7.6 | | 68 |
| 70 | | | | | | | | | 8.4 | 7.9 | 7.4 | 7.5 | | 70 |
| 72 | | | | | | | | | | 7.8 | 7.0 | 7.2 | | 72 |
| 74 | | | | | | | | | | 7.6 | 6.6 | 6.9 | | 74 |
| 76 | | | | | | | | | | 7.2 | 6.0 | 6.8 | | 76 |
| 78 | | | | | | | | | | | 6.0 | 6.5 | | 78 |
| 80 | | | | | | | | | | | | 6.4 | | 80 |
| 82 | | | | | | | | | | | | 6.1 | | 82 |
| 84 | | | | | | | | | | | | 5.8 | | 84 |
| 86 | | | | | | | | | | | | | | 86 |
| Rope rate | 5 | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | | Rope rate |

Load Chart – TSEL(Z)



Unit: metric ton

| Radius (m) | 42.2 | | | | | | | | | | | | Radius (m) | |
|------------|------|------|------|------|------|------|------|------|------|------|------|-----|------------|-----------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 60m | 66m | 72m | 78m | 84m | | |
| 14 | 56.0 | | | | | | | | | | | | | 14 |
| 16 | 54.6 | 47.5 | | | | | | | | | | | | 16 |
| 18 | 53.2 | 47.0 | | | | | | | | | | | | 18 |
| 20 | 52.8 | 46.6 | 38.6 | 35.2 | | | | | | | | | | 20 |
| 22 | 51.5 | 46.1 | 38.6 | 35.2 | 28.3 | | | | | | | | | 22 |
| 24 | | 44.6 | 38.6 | 35.2 | 28.3 | 27.0 | | | | | | | | 24 |
| 26 | | 41.8 | 38.0 | 34.0 | 28.3 | 27.0 | 23.9 | | | | | | | 26 |
| 28 | | 39.3 | 36.8 | 32.9 | 27.1 | 25.9 | 23.2 | 18.1 | | | | | | 28 |
| 30 | | | 35.0 | 31.7 | 26.6 | 24.9 | 22.1 | 17.5 | 15.6 | | | | | 30 |
| 32 | | | 34.0 | 31.0 | 25.9 | 24.0 | 21.2 | 16.8 | 15.0 | 12.6 | | | | 32 |
| 34 | | | | 29.5 | 25.5 | 23.0 | 20.4 | 16.2 | 14.5 | 12.3 | 10.6 | | | 34 |
| 36 | | | | 28.2 | 24.8 | 22.2 | 19.1 | 15.7 | 14.0 | 12.0 | 10.6 | 8.8 | | 36 |
| 38 | | | | 26.9 | 23.8 | 21.6 | 18.5 | 15.1 | 13.6 | 11.6 | 10.4 | 8.8 | | 38 |
| 40 | | | | 25.3 | 22.5 | 21.3 | 18.3 | 14.6 | 13.1 | 11.1 | 10.0 | 8.8 | | 40 |
| 42 | | | | 25.0 | 21.3 | 20.9 | 17.9 | 14.2 | 12.7 | 10.8 | 9.5 | 8.8 | | 42 |
| 44 | | | | | 20.3 | 20.4 | 17.2 | 13.8 | 12.4 | 10.4 | 9.2 | 8.8 | | 44 |
| 46 | | | | | 19.4 | 19.9 | 17.0 | 13.7 | 12.0 | 10.0 | 8.8 | 8.8 | | 46 |
| 48 | | | | | 19.0 | 19.2 | 16.8 | 13.5 | 11.6 | 9.6 | 8.5 | 8.8 | | 48 |
| 50 | | | | | | 18.0 | 16.4 | 13.4 | 11.3 | 9.3 | 8.3 | 8.8 | | 50 |
| 52 | | | | | | | 15.6 | 13.2 | 11.0 | 9.0 | 8.0 | 8.8 | | 52 |
| 54 | | | | | | | | 14.8 | 13.1 | 10.8 | 8.7 | 7.6 | 8.8 | 54 |
| 56 | | | | | | | | 14.0 | 13.0 | 10.5 | 8.5 | 7.4 | 8.6 | 56 |
| 58 | | | | | | | | 13.3 | 12.5 | 10.2 | 8.2 | 7.1 | 8.2 | 58 |
| 60 | | | | | | | | | 11.8 | 9.9 | 8.1 | 6.9 | 7.9 | 60 |
| 62 | | | | | | | | | 11.2 | 9.8 | 7.9 | 6.7 | 7.6 | 62 |
| 64 | | | | | | | | | 10.2 | 9.6 | 7.8 | 6.5 | 7.5 | 64 |
| 66 | | | | | | | | | | 9.5 | 7.6 | 6.3 | 7.2 | 66 |
| 68 | | | | | | | | | | 9.1 | 7.5 | 6.2 | 7.1 | 68 |
| 70 | | | | | | | | | | 8.2 | 7.3 | 6.0 | 6.8 | 70 |
| 72 | | | | | | | | | | | 7.2 | 5.8 | 6.7 | 72 |
| 74 | | | | | | | | | | | 7.1 | 5.7 | 6.5 | 74 |
| 76 | | | | | | | | | | | 6.9 | 5.5 | 6.4 | 76 |
| 78 | | | | | | | | | | | | 5.3 | 6.3 | 78 |
| 80 | | | | | | | | | | | | 5.2 | 6.0 | 80 |
| 82 | | | | | | | | | | | | | 5.7 | 82 |
| 84 | | | | | | | | | | | | | 5.6 | 84 |
| 86 | | | | | | | | | | | | | 5.3 | 86 |
| Rope rate | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | | Rope rate |

Load Chart – TSEL(Z)



Unit: metric ton

| Radius (m) | 47.4 | | | | | | | | | | | | Radius (m) |
|------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 60m | 66m | 72m | 78m | 84m | |
| 14 | | | | | | | | | | | | | 14 |
| 16 | | | | | | | | | | | | | 16 |
| 18 | 52.8 | | | | | | | | | | | | 18 |
| 20 | 52.1 | 41.8 | | | | | | | | | | | 20 |
| 22 | 51.4 | 41.8 | 35.0 | 28.8 | | | | | | | | | 22 |
| 24 | 48.7 | 41.8 | 34.3 | 28.8 | 24.9 | | | | | | | | 24 |
| 26 | | 41.0 | 34.3 | 28.8 | 24.9 | 22.5 | | | | | | | 26 |
| 28 | | 40.3 | 34.3 | 28.8 | 24.9 | 22.5 | 18.5 | | | | | | 28 |
| 30 | | 38.7 | 33.0 | 28.8 | 24.5 | 21.8 | 18.3 | 16.5 | | | | | 30 |
| 32 | | | 32.7 | 28.5 | 23.8 | 21.4 | 17.9 | 16.3 | 11.8 | | | | 32 |
| 34 | | | 30.1 | 28.1 | 23.5 | 20.9 | 17.5 | 15.2 | 11.8 | 9.1 | | | 34 |
| 36 | | | | 27.4 | 23.0 | 20.5 | 17.1 | 14.8 | 11.8 | 9.1 | | | 36 |
| 38 | | | | 26.8 | 22.8 | 20.0 | 16.6 | 14.5 | 11.8 | 9.1 | 8.8 | 8.2 | 38 |
| 40 | | | | 25.9 | 22.3 | 19.4 | 16.0 | 14.0 | 11.8 | 9.1 | 8.5 | 8.2 | 40 |
| 42 | | | | 24.5 | 21.6 | 19.2 | 15.6 | 13.8 | 11.8 | 9.1 | 8.3 | 8.2 | 42 |
| 44 | | | | | 20.2 | 18.9 | 15.2 | 13.3 | 11.5 | 8.8 | 8.0 | 8.2 | 44 |
| 46 | | | | | 19.4 | 18.6 | 14.9 | 12.8 | 11.0 | 8.6 | 7.6 | 8.2 | 46 |
| 48 | | | | | 18.7 | 18.3 | 14.6 | 12.4 | 10.6 | 8.3 | 6.9 | 8.2 | 48 |
| 50 | | | | | | 17.8 | 14.4 | 12.2 | 10.2 | 8.0 | 6.6 | 8.2 | 50 |
| 52 | | | | | | | 14.1 | 12.1 | 10.0 | 7.7 | 6.3 | 8.2 | 52 |
| 54 | | | | | | | 13.8 | 12.0 | 9.6 | 7.5 | 6.0 | 7.9 | 54 |
| 56 | | | | | | | 13.5 | 11.8 | 9.2 | 7.3 | 5.8 | 7.5 | 56 |
| 58 | | | | | | | 13.0 | 11.7 | 9.1 | 7.2 | 5.8 | 7.2 | 58 |
| 60 | | | | | | | 12.8 | 11.5 | 8.9 | 7.1 | 5.7 | 6.9 | 60 |
| 62 | | | | | | | | 11.1 | 8.8 | 6.9 | 5.7 | 6.8 | 62 |
| 64 | | | | | | | | 10.0 | 8.5 | 6.8 | 5.5 | 6.5 | 64 |
| 66 | | | | | | | | 9.8 | 8.2 | 6.6 | 5.5 | 6.4 | 66 |
| 68 | | | | | | | | | 7.9 | 6.5 | 5.4 | 6.1 | 68 |
| 70 | | | | | | | | | 7.5 | 6.3 | 5.2 | 6.0 | 70 |
| 72 | | | | | | | | | 7.1 | 6.2 | 5.0 | 5.8 | 72 |
| 74 | | | | | | | | | | 6.0 | 4.9 | 5.7 | 74 |
| 76 | | | | | | | | | | 5.8 | 4.7 | 5.6 | 76 |
| 78 | | | | | | | | | | | 4.4 | 5.3 | 78 |
| 80 | | | | | | | | | | | 4.3 | 5.0 | 80 |
| 82 | | | | | | | | | | | 4.1 | 4.9 | 82 |
| 84 | | | | | | | | | | | | 4.6 | 84 |
| Rope rate | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | Rope rate |

Load Chart – TSEL(Z)



Unit: metric ton

| Radius (m) | 52.6 | | | | | | | | | | | | Radius (m) |
|------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 60m | 66m | 72m | 78m | 84m | |
| 14 | | | | | | | | | | | | | 14 |
| 16 | | | | | | | | | | | | | 16 |
| 18 | 46.4 | | | | | | | | | | | | 18 |
| 20 | 45.7 | 38.2 | | | | | | | | | | | 20 |
| 22 | 44.6 | 37.4 | 32.4 | | | | | | | | | | 22 |
| 24 | | 36.3 | 31.7 | 26.6 | | | | | | | | | 24 |
| 26 | | 36.0 | 31.0 | 26.6 | 21.6 | | | | | | | | 26 |
| 28 | | 34.7 | 30.2 | 25.9 | 21.6 | 20.0 | | | | | | | 28 |
| 30 | | 33.1 | 31.1 | 25.9 | 21.6 | 20.0 | 16.8 | 13.6 | | | | | 30 |
| 32 | | | 29.2 | 25.9 | 21.6 | 19.3 | 16.4 | 13.6 | 9.2 | | | | 32 |
| 34 | | | 28.5 | 25.3 | 21.6 | 18.8 | 15.9 | 13.6 | 9.2 | 6.8 | | | 34 |
| 36 | | | | 24.5 | 20.9 | 18.5 | 15.5 | 13.6 | 9.2 | 6.8 | 5.0 | | 36 |
| 38 | | | | 23.9 | 20.4 | 18.0 | 15.1 | 13.6 | 9.2 | 6.8 | 5.0 | 5.0 | 38 |
| 40 | | | | 23.3 | 20.2 | 17.3 | 14.8 | 13.2 | 9.2 | 6.8 | 5.0 | 5.0 | 40 |
| 42 | | | | 23.0 | 19.6 | 17.1 | 14.4 | 12.8 | 9.2 | 6.8 | 5.0 | 5.0 | 42 |
| 44 | | | | | 19.2 | 16.8 | 14.0 | 12.4 | 9.2 | 6.8 | 5.0 | 5.0 | 44 |
| 46 | | | | | 18.9 | 16.6 | 13.8 | 11.8 | 9.2 | 6.8 | 5.0 | 4.8 | 46 |
| 48 | | | | | 18.5 | 16.3 | 13.7 | 11.5 | 9.2 | 6.8 | 5.0 | 4.6 | 48 |
| 50 | | | | | | 16.0 | 13.5 | 11.1 | 9.2 | 6.8 | 5.0 | 4.5 | 50 |
| 52 | | | | | | 15.7 | 13.2 | 10.8 | 9.2 | 6.8 | 5.0 | 4.3 | 52 |
| 54 | | | | | | | 12.5 | 10.7 | 9.2 | 6.5 | 5.0 | 4.1 | 54 |
| 56 | | | | | | | 11.7 | 10.5 | 8.8 | 6.5 | 5.0 | 3.9 | 56 |
| 58 | | | | | | | 11.0 | 10.4 | 8.4 | 6.5 | 5.0 | 3.9 | 58 |
| 60 | | | | | | | 10.4 | 10.2 | 8.2 | 6.5 | 5.0 | 3.7 | 60 |
| 62 | | | | | | | | 10.1 | 8.1 | 6.3 | 4.9 | 3.6 | 62 |
| 64 | | | | | | | | 9.8 | 7.9 | 6.2 | 4.7 | 3.4 | 64 |
| 66 | | | | | | | | 9.5 | 7.8 | 6.0 | 4.6 | 3.3 | 66 |
| 68 | | | | | | | | | 7.5 | 5.9 | 4.4 | 3.1 | 68 |
| 70 | | | | | | | | | 7.3 | 5.8 | 4.3 | 3.0 | 70 |
| 72 | | | | | | | | | 6.8 | 5.6 | 4.1 | 2.8 | 72 |
| 74 | | | | | | | | | | 5.5 | 4.0 | 2.5 | 74 |
| 76 | | | | | | | | | | 5.2 | 3.8 | | 76 |
| 78 | | | | | | | | | | 4.9 | 3.7 | | 78 |
| 80 | | | | | | | | | | | 3.5 | | 80 |
| 82 | | | | | | | | | | | | | 82 |
| 84 | | | | | | | | | | | | | 84 |
| Rope rate | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | Rope rate |

Load Chart – TSEL(Z)



Unit: metric ton

| Radius(m) | 57.8 | | | | | | | | | Radius (m) |
|-----------|------|------|------|------|------|------|------|-----|-----|------------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 54m | 72m | 78m | |
| 14 | | | | | | | | | | 14 |
| 16 | | | | | | | | | | 16 |
| 18 | | | | | | | | | | 18 |
| 20 | 37.8 | | | | | | | | | 20 |
| 22 | 37.1 | 33.1 | | | | | | | | 22 |
| 24 | 36.4 | 31.8 | 28.1 | | | | | | | 24 |
| 26 | | 31.7 | 27.1 | 23.0 | | | | | | 26 |
| 28 | | 30.7 | 26.6 | 22.8 | 18.7 | | | | | 28 |
| 30 | | 30.2 | 25.9 | 22.8 | 18.7 | 16.8 | | | | 30 |
| 32 | | | 25.2 | 22.0 | 18.7 | 16.2 | 14.2 | | | 32 |
| 34 | | | 24.5 | 22.0 | 18.7 | 15.8 | 13.9 | | | 34 |
| 36 | | | 24.3 | 21.6 | 18.7 | 15.6 | 13.5 | | | 36 |
| 38 | | | | 21.0 | 18.0 | 15.3 | 13.2 | 5.3 | | 38 |
| 40 | | | | 20.4 | 17.7 | 15.0 | 12.8 | 5.3 | 4.0 | 40 |
| 42 | | | | 20.2 | 17.4 | 14.7 | 12.5 | 5.3 | 4.0 | 42 |
| 44 | | | | | 17.1 | 14.4 | 12.2 | 5.3 | 4.0 | 44 |
| 46 | | | | | 16.6 | 14.1 | 12.1 | 5.3 | 4.0 | 46 |
| 48 | | | | | 15.8 | 13.8 | 11.8 | 5.3 | 4.0 | 48 |
| 50 | | | | | | 13.5 | 11.7 | 5.3 | 4.0 | 50 |
| 52 | | | | | | 13.2 | 11.5 | 5.3 | 4.0 | 52 |
| 54 | | | | | | | 11.2 | 5.3 | 4.0 | 54 |
| 56 | | | | | | | 10.9 | 5.3 | 4.0 | 56 |
| 58 | | | | | | | 10.5 | 5.3 | 4.0 | 58 |
| 60 | | | | | | | 10.1 | 5.3 | 4.0 | 60 |
| 62 | | | | | | | | 5.3 | 4.0 | 62 |
| 64 | | | | | | | | 5.3 | 4.0 | 64 |
| 66 | | | | | | | | 5.3 | 4.0 | 66 |
| 68 | | | | | | | | 5.2 | 4.0 | 68 |
| 70 | | | | | | | | 5.0 | 3.7 | 70 |
| 72 | | | | | | | | 4.9 | 3.4 | 72 |
| 74 | | | | | | | | 4.6 | 3.2 | 74 |
| 76 | | | | | | | | 4.3 | 3.1 | 76 |
| 78 | | | | | | | | 3.9 | 2.9 | 78 |
| 80 | | | | | | | | | 2.8 | 80 |
| 82 | | | | | | | | | 2.6 | 82 |
| Rope rate | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | Rope rate |

Load Chart – TSEL(Z)



Unit: metric ton

| Radius(m) | 63 | | | | | | 68.2 | | | | Radius (m) |
|-----------|------|------|------|------|------|------|------|------|------|------|------------|
| | 18m | 24m | 30m | 36m | 42m | 48m | 18m | 24m | 30m | 36m | |
| 14 | | | | | | | | | | | 14 |
| 16 | | | | | | | | | | | 16 |
| 18 | | | | | | | | | | | 18 |
| 20 | 35.0 | | | | | | | | | | 20 |
| 22 | 33.6 | 28.8 | | | | | 30.0 | | | | 22 |
| 24 | 32.8 | 28.1 | 24.5 | | | | 28.6 | 25.2 | | | 24 |
| 26 | | 27.6 | 23.8 | 20.2 | | | | 23.8 | 21.5 | | 26 |
| 28 | | 27.4 | 23.0 | 19.4 | 16.4 | | | 23.0 | 20.2 | 18.0 | 28 |
| 30 | | 25.9 | 22.5 | 19.4 | 16.3 | 15.3 | | 21.6 | 19.7 | 17.3 | 30 |
| 32 | | 24.8 | 21.9 | 19.4 | 16.1 | 15.1 | | | 19.3 | 17.3 | 32 |
| 34 | | | 21.6 | 19.0 | 16.0 | 14.6 | | | 18.9 | 16.3 | 34 |
| 36 | | | 21.3 | 18.7 | 15.8 | 14.0 | | | 18.0 | 16.0 | 36 |
| 38 | | | | 18.3 | 15.7 | 13.7 | | | | 15.7 | 38 |
| 40 | | | | 18.0 | 15.4 | 13.4 | | | | 15.4 | 40 |
| 42 | | | | 17.7 | 15.0 | 13.2 | | | | 15.0 | 42 |
| 44 | | | | 17.3 | 14.7 | 13.1 | | | | 13.7 | 44 |
| 46 | | | | | 14.5 | 12.8 | | | | | 46 |
| 48 | | | | | 14.4 | 12.5 | | | | | 48 |
| 50 | | | | | 13.0 | 12.2 | | | | | 50 |
| 52 | | | | | | 12.0 | | | | | 52 |
| 54 | | | | | | 11.7 | | | | | 54 |
| 56 | | | | | | | | | | | 56 |
| 58 | | | | | | | | | | | 58 |
| 60 | | | | | | | | | | | 60 |
| 62 | | | | | | | | | | | 62 |
| 64 | | | | | | | | | | | 64 |
| 66 | | | | | | | | | | | 66 |
| 68 | | | | | | | | | | | 68 |
| 70 | | | | | | | | | | | 70 |
| 72 | | | | | | | | | | | 72 |
| 74 | | | | | | | | | | | 74 |
| 76 | | | | | | | | | | | 76 |
| 78 | | | | | | | | | | | 78 |
| 80 | | | | | | | | | | | 80 |
| 82 | | | | | | | | | | | 82 |
| Rope rate | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | Rope rate |

Remark:

1. Load value listed are the max. capacity (incl. hook block and lifting slings) when the crane is in a level condition on solid ground or surface.
2. Radius listed are calculated with boom deflection considered.
3. Operation planning shall be made properly. Load value are given according to the larger radius or boom length value when the actual radius or boom length falls between two numbers above.
4. Operating range shall be strictly within boom angle permitted in case of tipping over.
5. Rated load charts above are extracts from load charts manual which can be referred for more details and must be observed.
6. Wind speed shall be less than 9m/s.



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Reminder:

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