

**TADANO****HYDRAULIC TRUCK CRANE**

SPEC. SHEET NO. GT-550E-1-00102/EX-93

GT-550EX

CARRIER : TC-4255

GENERAL DATA

| | | |
|------------------------------|----------|---------------------------|
| CRANE CAPACITY | | 55,000 kg at 3.0 m |
| BOOM | | 5-section, 11.1 m - 42.0m |
| DIMENSION | | |
| Overall length | approx. | 13,480 mm |
| Overall width | approx. | 2,820 mm |
| Overall height | approx. | 3,680 mm |
| MASS | | |
| Gross vehicle mass | approx. | 39,800 kg |
| — front axle | approx. | 15,900 kg |
| — rear axle | approx. | 23,900 kg |
| PERFORMANCE | | |
| Max. travelling speed | computed | 83 km/h |
| Gradeability (tan θ) | computed | 53 % |

CRANE SPECIFICATIONS

MODEL

GT-550EX

CAPACITY

55,000 kg at 3.0 m

BOOM

5-section full power partially synchronized telescoping boom of round hexagonal box construction with 6 sheaves at boom head. The synchronization system consists of 2 telescope cylinders, extension cables and retraction cables. Hydraulic cylinders fitted with holding valves.

Fully retracted length..... 11.1 m

Fully extended length..... 42.0 m

Extension speed..... 30.9 m in 123 s

JIB

2-staged boom extension. Triple offset (5° / 25° / 45°) type.

Stored under base boom section.

Single sheave at jib head.

Length..... 9.0 m and 14.6 m

SINGLE TOP (AUXILIARY BOOM SHEAVE)

Single sheave. Mounted to main boom head for single line work.

ELEVATION

By a double-acting hydraulic cylinder, fitted with holding valve.

Elevation speed..... - 2° to 80° in 68 s

HOIST-Main winch

Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting. Equipped with automatic brake (Neutral brake) and counterbalance valve.

Controlled independently of auxiliary winch.

Single line pull..... 42.2 kN { 4,300kgf }

Single line speed..... 143 m/min (at the 4th layer)

Wire rope..... Spin-resistant type

(Non-spin type for 35 ton

capacity hook block)

Diameter x length..... 19 mm x 227 m

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HOIST-Auxiliary winch

Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting. Equipped with automatic brake (Neutral brake) and counterbalance valve.

Controlled independently of main winch.

- Single line pull..... 44.1 kN { 4,500kgf }
- Single line speed..... 123 m/min (at the 2nd layer)
- Wire rope..... Spin-resistant type
- Diameter x length..... 19 mm x 127 m

SWING

Hydraulic axial piston motor driven through planetary speed reducer. Continuous 360° full circle swing on ball bearing slew ring. Equipped with manually locked/released swing brake.

- Swing speed..... 1.9 min⁻¹ { rpm }

HYDRAULIC SYSTEM

- Pumps..... Quadruple gear pumps driven by carrier engine through P.T.O.
- Control valves..... Multiple valves actuated by pilot pressure with integral pressure relief valves.
- Circuit..... Equipped with air cooled type oil cooler. Oil pressure appears on AML display for main circuit.
- Hydraulic oil tank capacity..... approx. 690 liters
- Filters..... Return line filter

CRANE CONTROL

By 4 control levers for swing, boom hoist, main winch, boom telescoping or auxiliary winch with 2 control pedals for boom hoist and boom telescoping based on ISO standard layout. Control lever stands can change neutral positions and tilt for easy access to cab.

CAB

One sided one-man type, steel construction with sliding door access and tinted safety glass windows opening at side. Door window is powered control. Operator's 3 way adjustable seat with headrest and armrest.

TADANO Automatic Moment Limiter (Model:AML-L)

Main unit in crane cab gives audible and visual warning of approach to overload. Automatically cuts out crane motions before overload. With working range (load radius and / or boom angle and / or tip height and / or swing range) limit function.

Nine functions are displayed.

Digital liquid crystal display:

- Either boom angle or moment %
- Either boom length or potential hook height
- Either actual working radius or swing angle
- Actual hook load
- Permissible load
- Either jib offset angle or number of parts line of rope
- Boom position indicator
- Outrigger position indicator

Bar graphical display:

- Either moment as percentage or main hydraulic pressure (Display changes by alternation key on the AML front panel)

OUTRIGGERS

4-hydraulically operated H-type outriggers. Each outrigger controlled simultaneously or independently from either side of carrier. Equipped with sight level gauge. Floats mounted integrally with the jacks retract to within vehicle width. All cylinders fitted with pilot check valves. Crane operation with different extended length of each outrigger.

Equipped with extension width detector for each outrigger.

Extended width

- Fully..... 6,800 mm
- Middle..... 4,600 mm
- Minimum..... 2,390 mm
- Float size (Diameter)..... 400 mm

FRONT JACK

A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier to permit 360° lifting capabilities.

Hydraulic cylinder fitted with pilot check valve.

Equipped with front jack extension detector.

- Float size(Diameter).....350 mm

COUNTERWEIGHT

Integral with swing frame

- Mass.....4,200 kg

NOTE:

Each crane motion speed is based on unladen conditions.

CARRIER SPECIFICATIONS

SPEC. SHEET NO. GT-550E-1-00102/EX-93

MANUFACTURER

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MODEL

TC-4255 (Left hand steering, 8 x 4)

ENGINE [EURO-2]

Model..... NISSAN PF6
Type..... 4 cycle, 6 cylinder in line, direct injection, water cooled diesel engine with turbocharger.
Piston displacement... 12,503 cm³
Bore x stroke..... 133 mm x 150 mm
Max. output (JIS)..... 257 kW{350PS/345hp} at 2,100 min⁻¹{rpm}
Max. torque (JIS)..... 1,460 Nm{150 kgfm} at 1,200 min⁻¹{rpm}

TRANSMISSION

7 forward and 1 reverse speeds, synchromesh on 2nd - 7th gear and constant-mesh on 1st and reverse gear.

AXLES

Front..... Reverse - elliot type
Rear..... Full floating type

SUSPENSION

Front..... Leaf spring
Rear..... Equalizer beams and torque rods

EQUIPMENT

FOR CRANE

Standard Equipment

4.5 t capacity, hook block (swivel hook)
Control pedals for boom hoist and boom telescoping
3 working lights
External lamp(AML)
Cable follower
Winch drum mirror(Hoist mirror)
Electric fan
Sun visor
Sun shade
Cab floor mat

Optional Equipment

- 55 t capacity, hook block (6 sheaves)
- 35 t capacity, hook block (4 sheaves)
(* in combination with non-spin wire rope for main winch)
- 20 t capacity, hook block (2 sheaves)
- Winch drum rotation indicator for main and auxiliary winch
- Air conditioner (hot water heater and cooler)

FOR CARRIER

Standard Equipment

Fan clutch: Viscous-type
Intake air heater
Overheating warning buzzer
Cooling water level warning buzzer

STEERING

Recirculating ball screw type with linkage power assistance.

BRAKE SYSTEM

Service..... Full air brake with multiprotection valve and auto slack adjuster on all wheels, dual air line system, internal expanding leading and trailing shoe type.
Parking..... Pneumatically controlled spring brake, acting on all rear axles.
Auxiliary..... Electro-pneumatic operated exhaust brake.
Emergency..... Pneumatically controlled spring brake, acting on all rear axles.

TIRES

Front..... 315/80 R 22.5 156/150, Single x 4
Rear..... 315/80 R 22.5 156/150, Dual x 4
Spare..... 315/80 R 22.5 156/150, Single x 1

CAB

Steel construction, one sided 2-man type
Driver's seat..... Adjustable suspension type

ELECTRIC SYSTEM

24 V DC. 2 batteries of 12 V (JIS)115F51, 96Ah at 5-hour rate
Alternator..... 24V-50A

FUEL TANK CAPACITY

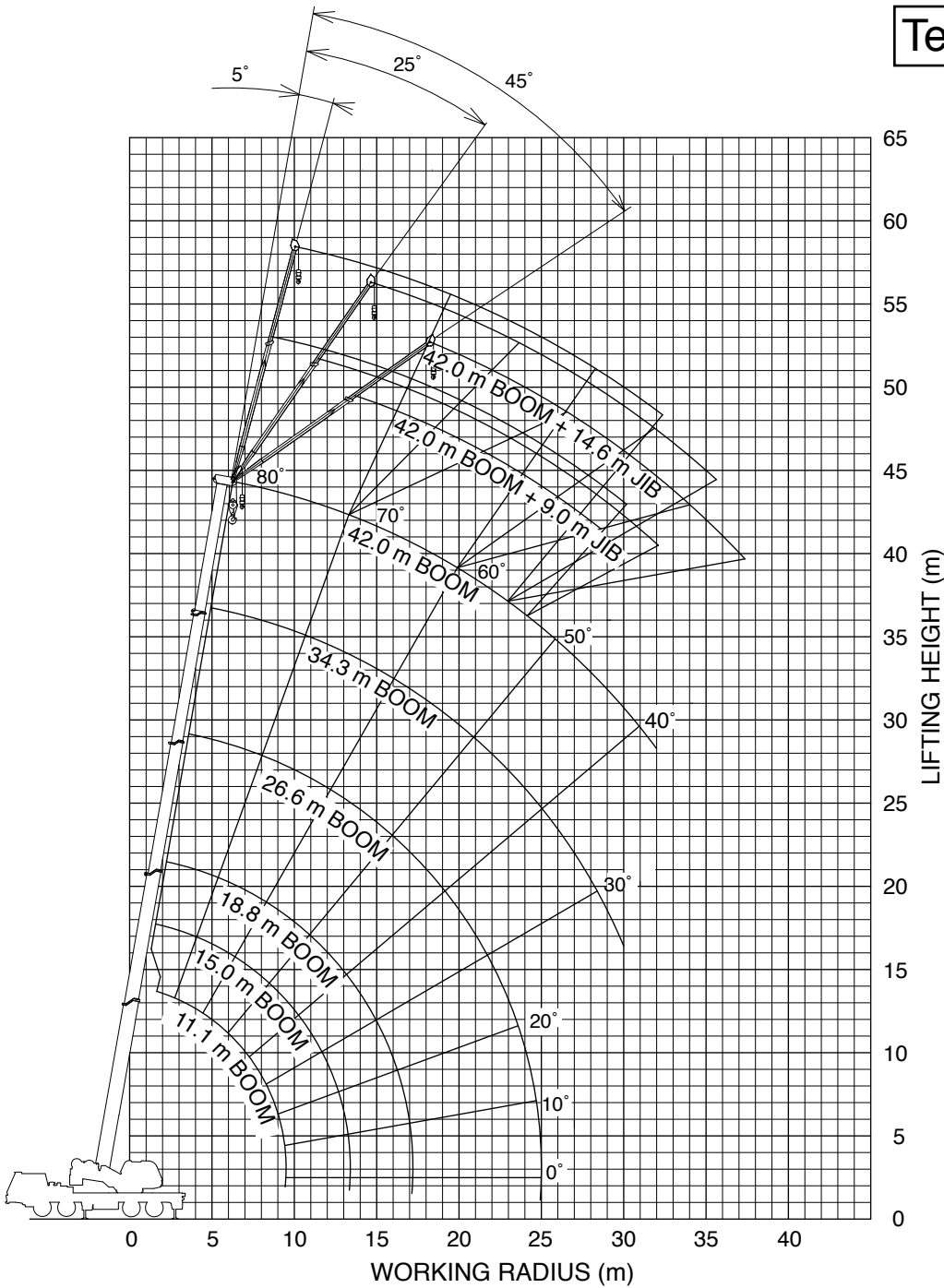
300 liters

TURN RADIUS

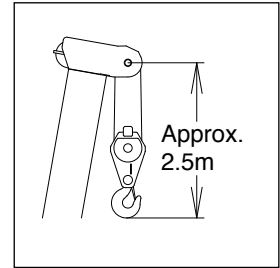
Min. turning radius (at center of extreme outer tire).....10.8m

Engine over-run alarm
PTO hour meter
Passenger seat
Seat belt: 3 point type for driver, 2point type for passenger
Tilting-telescoping steering wheel
Windshield wiper(with intermittent wiping)and washer
Window glass: Tinted, Infrared and Ultraviolet rays absorption
Tachometer
Low air pressure warning buzzer
AM/FM radio
Car cooler(Refrigerant:R134a)
Car heater(Hot water type)with defroster
Third differential gear lock
Speedometer(with odometer)
Sun visor
Spare tire carrier with lock key
Tool box with lock key
Fuel tank cap with lock key
Back-up light
Back-up alarm
Air filter warning light(Instrument cluster)
Towing hook(Front and rear, Eye type)
Ashtray
Cigarette lighter
Owner's tool set
Cab floor mat
Front fog lamps
Side marker lamps
R2000 Side mirrors

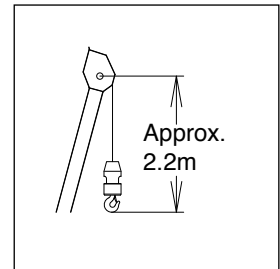
Telescoping mode I



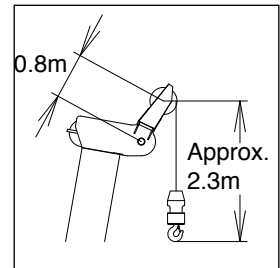
BOOM



JIB



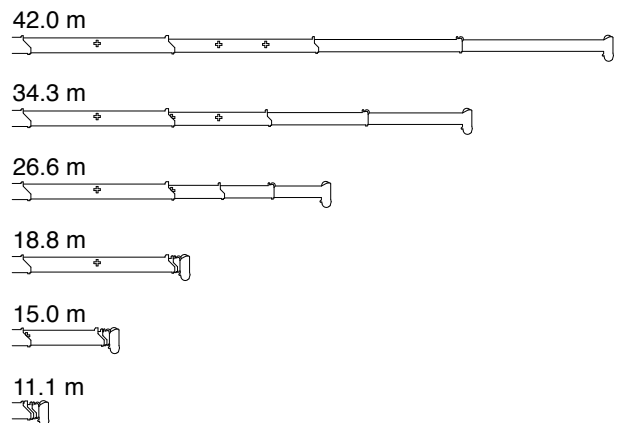
SINGLE TOP



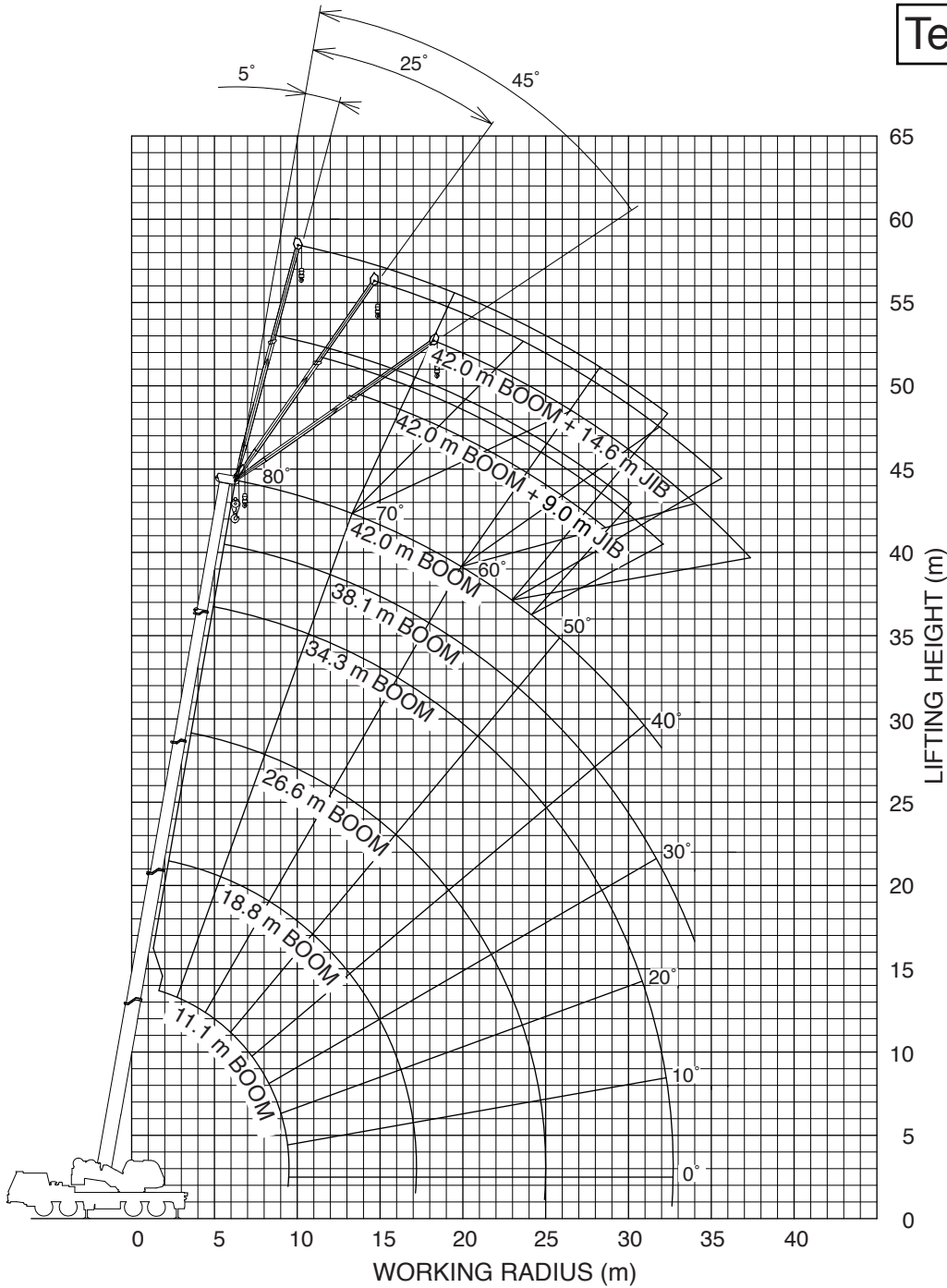
NOTE:

The above lifting height and boom angle are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions. The above working range is shown on condition with outriggers fully (6.8m) extended.

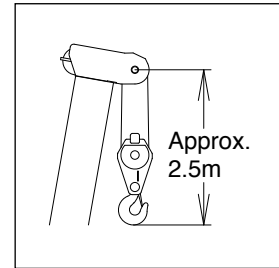
Boom Length



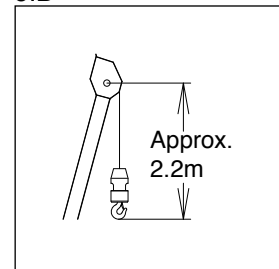
Telescoping mode II



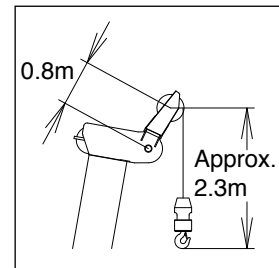
BOOM



JIB



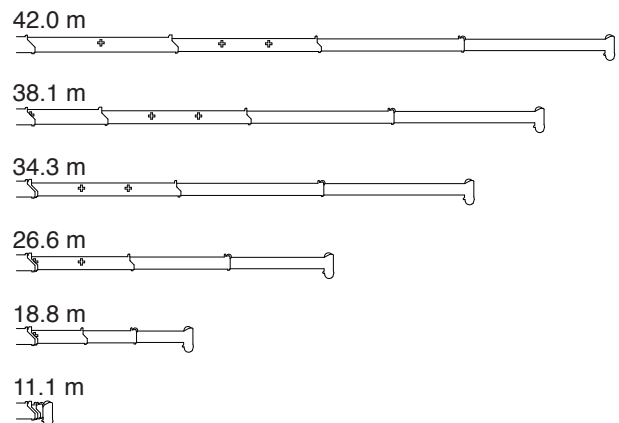
SINGLE TOP



NOTE:

The above lifting height and boom angle are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions. The above working range is shown on condition with outriggers fully (6.8m) extended.

Boom Length



UNIT : kg

| Outriggers fully extended 6.8m | | | | | | | | | | |
|--------------------------------|-------------|-------------|-------------|--------|-------------|--------|-------------|-------|-------------|-------------|
| Load radius (m) | 11.1 m boom | 15.0 m boom | 18.8 m boom | | 26.6 m boom | | 34.3 m boom | | 38.1 m boom | 42.0 m boom |
| 3.0 | 55,000 | 40,000 | 28,000 | 20,000 | | | | | | |
| 3.5 | 43,700 | 40,000 | 28,000 | 20,000 | | | | | | |
| 4.0 | 38,500 | 38,100 | 28,000 | 20,000 | | | | | | |
| 4.5 | 34,200 | 33,800 | 28,000 | 19,800 | 20,000 | 14,000 | | | | |
| 5.0 | 30,800 | 30,400 | 28,000 | 19,000 | 20,000 | 14,000 | | | | |
| 5.5 | 27,800 | 27,400 | 27,200 | 18,200 | 20,000 | 13,600 | | | | |
| 6.0 | 25,400 | 25,000 | 24,700 | 17,500 | 20,000 | 12,800 | 14,000 | 8,000 | | |
| 6.5 | 23,200 | 22,800 | 22,500 | 16,800 | 18,900 | 12,000 | 14,000 | 8,000 | | |
| 7.0 | 21,400 | 21,000 | 20,700 | 16,200 | 17,800 | 11,400 | 13,500 | 8,000 | 8,000 | 8,000 |
| 7.5 | 19,700 | 19,300 | 19,100 | 15,700 | 16,700 | 10,800 | 13,000 | 8,000 | 8,000 | 8,000 |
| 8.0 | 18,300 | 17,900 | 17,600 | 15,200 | 15,800 | 10,200 | 12,500 | 8,000 | 8,000 | 8,000 |
| 9.0 | 15,200 | 14,600 | 14,200 | 14,300 | 14,200 | 9,300 | 11,300 | 7,600 | 8,000 | 8,000 |
| 10.0 | | 11,600 | 11,300 | 13,500 | 12,500 | 8,500 | 10,400 | 7,000 | 7,500 | 8,000 |
| 11.0 | | 9,500 | 9,100 | 11,400 | 10,300 | 7,800 | 9,600 | 6,400 | 6,900 | 7,500 |
| 12.0 | | 7,800 | 7,500 | 9,600 | 8,600 | 7,200 | 8,800 | 5,800 | 6,400 | 6,900 |
| 14.0 | | | 5,100 | 7,200 | 6,200 | 6,200 | 6,800 | 4,900 | 5,500 | 5,900 |
| 16.0 | | | 3,500 | 5,500 | 4,500 | 5,400 | 5,100 | 4,200 | 4,700 | 5,200 |
| 18.0 | | | | | 3,300 | 4,700 | 3,900 | 3,600 | 4,100 | 4,200 |
| 20.0 | | | | | 2,400 | 3,700 | 3,000 | 3,200 | 3,600 | 3,200 |
| 22.0 | | | | | 1,700 | 3,000 | 2,200 | 2,800 | 2,800 | 2,500 |
| 24.0 | | | | | 1,200 | 2,400 | 1,600 | 2,500 | 2,200 | 1,900 |
| 26.0 | | | | | | | 1,200 | 2,100 | 1,800 | 1,400 |
| 28.0 | | | | | | | 800 | 1,700 | 1,400 | 1,000 |
| 30.0 | | | | | | | 500 | 1,400 | 1,000 | 700 |
| 32.0 | | | | | | | | 1,100 | 700 | 450 |
| 34.0 | | | | | | | | | 500 | |
| Telescoping conditions(%) | | | | | | | | | | |
| Telescoping Mode | I, II | I | I | II | I | II | I | II | II | I, II |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |

NOTES :

- Rated lifting capacities shown in the table are based on the condition that the crane is set on firm ground horizontally. Those above bold line are based on crane strength and those below, it is stability.
- Rated lifting capacities in the stability area comply with part 2 / ISO 4305.
- The mass of load handling devices such as hook blocks {570 kg for 55 ton capacity, 410 kg for 35 ton capacity, 400 kg for 20 ton capacity and 130 kg for 4.5 ton capacity} and slings, shall be considered part of the load and must be deducted from rated lifting capacities.
- Without front jack extended, when the boom is within the Over-front, Rated lifting capacities are different from those for the boom in the Over-side and Over-rear.
- Standard number of parts of line for each boom length is as shown below. Load per-line should not surpass 42.2 kN {4,300 kgf} for main winch rope and 44.1 kN {4,500 kgf} for auxiliary winch rope.

| Boom Length | 11.1 m | 15.0 m | 18.8 m | 26.6 m | 34.3 m | 38.1 m | 42.0 m | Jib/Single top |
|-------------------------|---------|--------|--------|--------|--------|--------|--------|----------------|
| Number of parts of line | **13/12 | 10 | 7 | 5 | 4 | 4 | 4 | 1 |

** : With single top (When the lifting capacities is 55,000 kg)

- For rated lifting capacity of single top, subtract the main hook mass from the relevant boom rated lifting capacity. Rated lifting capacity of single top should not exceed 4,500 kg.
- Load radius shown in the table includes the deflection of the boom. Therefore, perform it according to the load radius. However for the jib operation, perform it according to the boom angle regardless of the boom length. The load radius shows reference value when the jib is attached to the 42.0 m boom, 38.1 m boom (Telescoping mode II) and 34.3 m boom (Telescoping mode I).

RATED LIFTING CAPACITIES ISO 4305

SPEC. SHEET NO. GT-550E-1-00102/EX-93

UNIT : kg

| Outriggers extended to middle 4.6m | | | | | | | | | | |
|------------------------------------|-------------|-------------|-------------|--------|-------------|--------|-------------|-------|-------------|-------------|
| Load radius (m) | 11.1 m boom | 15.0 m boom | 18.8 m boom | | 26.6 m boom | | 34.3 m boom | | 38.1 m boom | 42.0 m boom |
| 3.0 | 32,000 | 28,000 | 28,000 | 20,000 | | | | | | |
| 3.5 | 32,000 | 28,000 | 28,000 | 20,000 | | | | | | |
| 4.0 | 32,000 | 28,000 | 28,000 | 20,000 | | | | | | |
| 4.5 | 26,300 | 25,500 | 24,900 | 19,700 | 20,000 | 14,000 | | | | |
| 5.0 | 20,200 | 19,200 | 18,700 | 18,900 | 20,000 | 14,000 | | | | |
| 5.5 | 15,800 | 15,100 | 14,600 | 17,700 | 16,400 | 13,500 | | | | |
| 6.0 | 12,800 | 12,200 | 11,800 | 14,600 | 13,300 | 12,700 | 14,000 | 8,000 | | |
| 6.5 | 10,600 | 10,000 | 9,600 | 12,300 | 11,100 | 12,000 | 11,900 | 8,000 | | |
| 7.0 | 8,900 | 8,300 | 8,000 | 10,500 | 9,400 | 11,100 | 10,100 | 8,000 | 8,000 | 8,000 |
| 7.5 | 7,500 | 7,000 | 6,600 | 9,100 | 8,000 | 9,700 | 8,700 | 8,000 | 8,000 | 8,000 |
| 8.0 | 6,400 | 5,900 | 5,500 | 7,900 | 6,800 | 8,500 | 7,500 | 8,000 | 8,000 | 7,900 |
| 9.0 | 4,700 | 4,200 | 3,900 | 6,100 | 5,100 | 6,700 | 5,800 | 7,100 | 6,500 | 6,100 |
| 10.0 | | 3,000 | 2,700 | 4,800 | 3,800 | 5,300 | 4,500 | 5,600 | 5,200 | 4,800 |
| 11.0 | | 2,100 | 1,800 | 3,800 | 2,900 | 4,300 | 3,500 | 4,600 | 4,200 | 3,800 |
| 12.0 | | 1,300 | 1,000 | 3,000 | 2,100 | 3,500 | 2,700 | 3,800 | 3,400 | 3,000 |
| 14.0 | | | | 1,900 | 1,000 | 2,300 | 1,600 | 2,600 | 2,200 | 1,900 |
| 16.0 | | | | 1,100 | | 1,500 | | 1,800 | 1,400 | 1,000 |
| 18.0 | | | | | | | | 1,200 | | |
| Telescoping conditions(%) | | | | | | | | | | |
| Telescoping Mode | I, II | I | I | II | I | II | I | II | II | I, II |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 | 100 | 0 | 50 | 100 |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 | 66 | 100 | 100 | 100 |

UNIT : kg

| Outriggers extended to minimum 2.39m | | | | | | |
|--------------------------------------|-------------|-------------|-------------|--------|-------------|--------|
| Load radius (m) | 11.1 m boom | 15.0 m boom | 18.8 m boom | | 26.6 m boom | |
| 3.0 | 22,800 | 22,100 | 21,700 | 20,000 | | |
| 3.5 | 16,900 | 16,300 | 15,900 | 18,600 | | |
| 4.0 | 13,100 | 12,500 | 12,100 | 14,600 | | |
| 4.5 | 10,400 | 9,900 | 9,500 | 11,900 | 11,800 | 12,500 |
| 5.0 | 8,400 | 7,900 | 7,600 | 9,800 | 8,800 | 10,400 |
| 5.5 | 6,900 | 6,500 | 6,100 | 8,300 | 7,300 | 8,800 |
| 6.0 | 5,700 | 5,300 | 5,000 | 7,000 | 6,100 | 7,600 |
| 6.5 | 4,800 | 4,300 | 4,000 | 6,000 | 5,100 | 6,500 |
| 7.0 | 4,000 | 3,500 | 3,200 | 5,200 | 4,300 | 5,700 |
| 7.5 | 3,300 | 2,900 | 2,600 | 4,500 | 3,600 | 5,000 |
| 8.0 | 2,700 | 2,300 | 2,000 | 3,900 | 3,000 | 4,400 |
| 9.0 | 1,800 | 1,400 | 1,100 | 2,900 | 2,100 | 3,400 |
| 10.0 | | | | 2,200 | 1,400 | 2,700 |
| 11.0 | | | | 1,600 | | 2,100 |
| 12.0 | | | | 1,100 | | 1,600 |
| Telescoping conditions(%) | | | | | | |
| Telescoping Mode | I, II | I | I | II | I | II |
| 2nd boom | 0 | 50 | 100 | 0 | 100 | 0 |
| 3rd boom | 0 | 0 | 0 | 33 | 33 | 66 |
| 4th boom | 0 | 0 | 0 | 33 | 33 | 66 |
| Top boom | 0 | 0 | 0 | 33 | 33 | 66 |

UNIT : kg

| Outriggers fully extended 6.8m | | | | | | |
|--------------------------------|-------------|------------|------------|------------|------------|------------|
| Boom angle | 42.0 m boom | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5° offset | 25° offset | 45° offset | 5° offset | 25° offset | 45° offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 3,400 | 2,300 | 1,280 | 2,350 | 1,170 | 690 |
| 76° | 3,250 | 2,240 | 1,260 | 2,220 | 1,140 | 680 |
| 75° | 3,100 | 2,160 | 1,240 | 2,100 | 1,120 | 670 |
| 73° | 2,840 | 2,020 | 1,200 | 1,890 | 1,070 | 650 |
| 70° | 2,430 | 1,850 | 1,150 | 1,640 | 1,000 | 630 |
| 68° | 2,200 | 1,730 | 1,120 | 1,500 | 950 | 620 |
| 65° | 1,950 | 1,580 | 1,070 | 1,330 | 910 | 590 |
| 63° | 1,780 | 1,450 | 1,030 | 1,220 | 850 | 580 |
| 60° | 1,350 | 1,180 | 1,000 | 1,080 | 800 | 570 |
| 58° | 1,050 | 920 | 850 | 800 | 750 | 560 |
| 55° | 680 | 590 | 550 | 500 | 480 | 420 |
| 53° | 470 | 410 | | | | |

UNIT : kg

| Outriggers fully extended 6.8m | | | | | | |
|--------------------------------|---|------------|------------|------------|------------|------------|
| Boom angle | 38.1 m boom (telescoping mode II) or less than that | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5° offset | 25° offset | 45° offset | 5° offset | 25° offset | 45° offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 3,400 | 2,300 | 1,280 | 2,350 | 1,170 | 690 |
| 76° | 3,250 | 2,240 | 1,260 | 2,220 | 1,140 | 680 |
| 75° | 3,100 | 2,160 | 1,240 | 2,100 | 1,120 | 670 |
| 73° | 2,840 | 2,020 | 1,200 | 1,890 | 1,070 | 650 |
| 70° | 2,430 | 1,850 | 1,150 | 1,640 | 1,000 | 630 |
| 68° | 2,200 | 1,730 | 1,120 | 1,500 | 950 | 620 |
| 65° | 1,950 | 1,580 | 1,070 | 1,330 | 910 | 590 |
| 63° | 1,780 | 1,450 | 1,030 | 1,220 | 850 | 580 |
| 60° | 1,550 | 1,280 | 1,000 | 1,080 | 800 | 570 |
| 58° | 1,380 | 1,200 | 980 | 1,000 | 770 | 560 |
| 55° | 1,150 | 1,080 | 940 | 890 | 730 | 550 |
| 53° | 1,000 | 1,000 | 920 | 820 | 710 | 540 |
| 50° | 840 | | | | | |

UNIT : kg

| Outriggers fully extended 6.8m | | | | | | |
|--------------------------------|--|------------|------------|------------|------------|------------|
| Boom angle | 34.3 m boom (telescoping mode I) or less than that | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5° offset | 25° offset | 45° offset | 5° offset | 25° offset | 45° offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 3,400 | 2,300 | 1,280 | 2,350 | 1,170 | 690 |
| 76° | 3,250 | 2,240 | 1,260 | 2,220 | 1,140 | 680 |
| 75° | 3,100 | 2,160 | 1,240 | 2,100 | 1,120 | 670 |
| 73° | 2,840 | 2,020 | 1,200 | 1,890 | 1,070 | 650 |
| 70° | 2,430 | 1,850 | 1,150 | 1,640 | 1,000 | 630 |
| 68° | 2,200 | 1,730 | 1,120 | 1,500 | 950 | 620 |
| 65° | 1,950 | 1,580 | 1,070 | 1,330 | 910 | 590 |
| 63° | 1,780 | 1,450 | 1,030 | 1,220 | 850 | 580 |
| 60° | 1,550 | 1,280 | 1,000 | 1,080 | 800 | 570 |
| 58° | 1,380 | 1,200 | 980 | 1,000 | 770 | 560 |
| 55° | 1,150 | 1,080 | 940 | 890 | 730 | 550 |
| 53° | 1,000 | 1,000 | 920 | 820 | 710 | 540 |
| 50° | 840 | | | | | |

UNIT : kg

| Outriggers extended to middle 4.6m | | | | | | |
|------------------------------------|-------------|-----------|-----------|------------|-----------|-----------|
| Boom angle | 42.0 m boom | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5°offset | 25°offset | 45°offset | 5°offset | 25°offset | 45°offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,080 | 2,280 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 2,550 | 1,910 | 1,280 | 2,190 | 1,170 | 690 |
| 76° | 2,090 | 1,580 | 1,260 | 1,800 | 1,140 | 680 |
| 75° | 1,700 | 1,300 | 1,070 | 1,470 | 1,010 | 670 |
| 73° | 1,070 | | | | | |

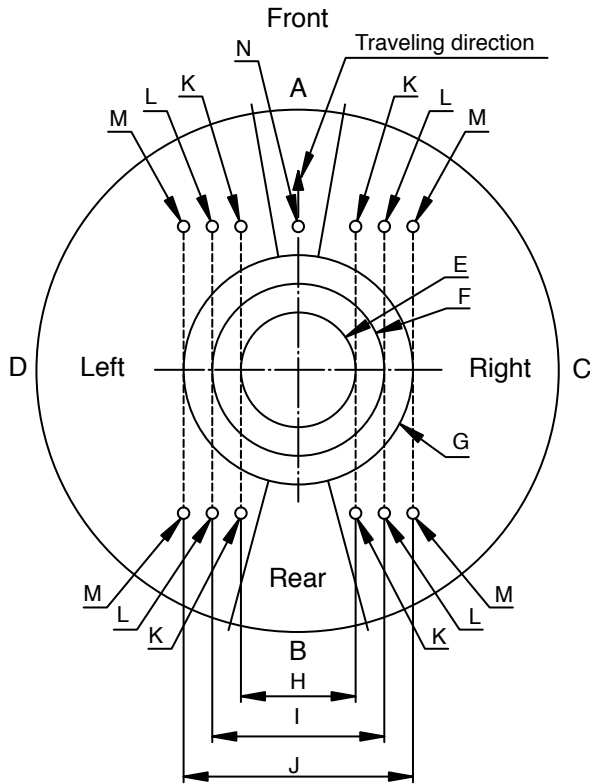
UNIT : kg

| Outriggers extended to middle 4.6m | | | | | | |
|------------------------------------|--|-----------|-----------|------------|-----------|-----------|
| Boom angle | 38.1 m boom (telescoping mode II) or less than that | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5°offset | 25°offset | 45°offset | 5°offset | 25°offset | 45°offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 3,400 | 2,300 | 1,280 | 2,350 | 1,170 | 690 |
| 76° | 2,910 | 2,200 | 1,260 | 2,220 | 1,140 | 680 |
| 75° | 2,480 | 1,900 | 1,240 | 2,100 | 1,120 | 670 |
| 73° | 1,780 | 1,390 | 1,160 | 1,520 | 1,070 | 650 |
| 70° | 1,010 | | | | | |

UNIT : kg

| Outriggers extended to middle 4.6m | | | | | | |
|------------------------------------|---|-----------|-----------|------------|-----------|-----------|
| Boom angle | 34.3 m boom (telescoping mode I) or less than that | | | | | |
| | 9.0 m jib | | | 14.6 m jib | | |
| | 5°offset | 25°offset | 45°offset | 5°offset | 25°offset | 45°offset |
| 80° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 79° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 78° | 3,500 | 2,300 | 1,300 | 2,500 | 1,200 | 700 |
| 77° | 3,400 | 2,300 | 1,280 | 2,350 | 1,170 | 690 |
| 76° | 2,910 | 2,200 | 1,260 | 2,220 | 1,140 | 680 |
| 75° | 2,480 | 1,900 | 1,240 | 2,100 | 1,120 | 670 |
| 73° | 1,780 | 1,390 | 1,160 | 1,520 | 1,070 | 650 |
| 70° | 1,010 | | | | | |

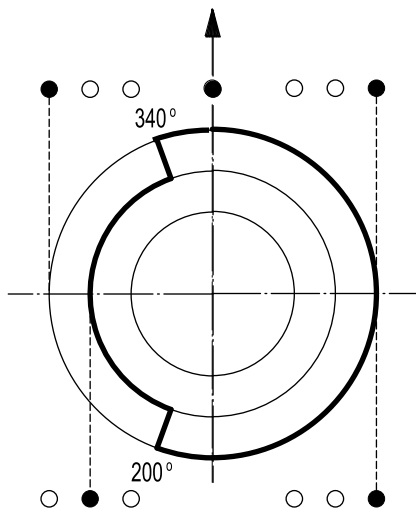
1. Applicable rated lifting capacities change as the ranges of the working area, depending on the outrigger extension width and whether the front jack is used.
2. When the swing automatic stop cancel switch is canceled, the swing does not automatically stop even if the crane becomes overloaded.



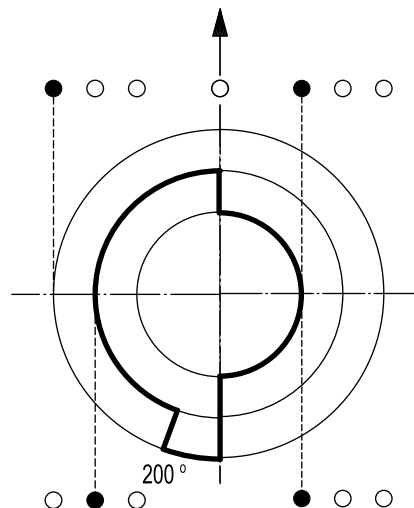
- A : Over-front area
- B : Over-rear area
- C : Over-side area (right)
- D : Over-side area (left)
- E : Rated lifting capacity (capacity with outriggers at minimum extension)
- F : Rated lifting capacity (capacity with outriggers at middle extension)
- G : Rated lifting capacity (capacity with outriggers at full extension)
- H : Minimum extension width of outriggers
- I : Middle extension width of outriggers
- J : Full extension width of outriggers
- K : Position of outrigger jack with the beam not extended
- L : Position of outrigger jack with the beam extended halfway
- M : Position of outrigger jack with the beam extended fully
- N : Front jack

Reference

Front jack extended
 FL outrigger extended to fully, FR outrigger extended to fully
 RL outrigger extended to middle, RR outrigger extended to fully

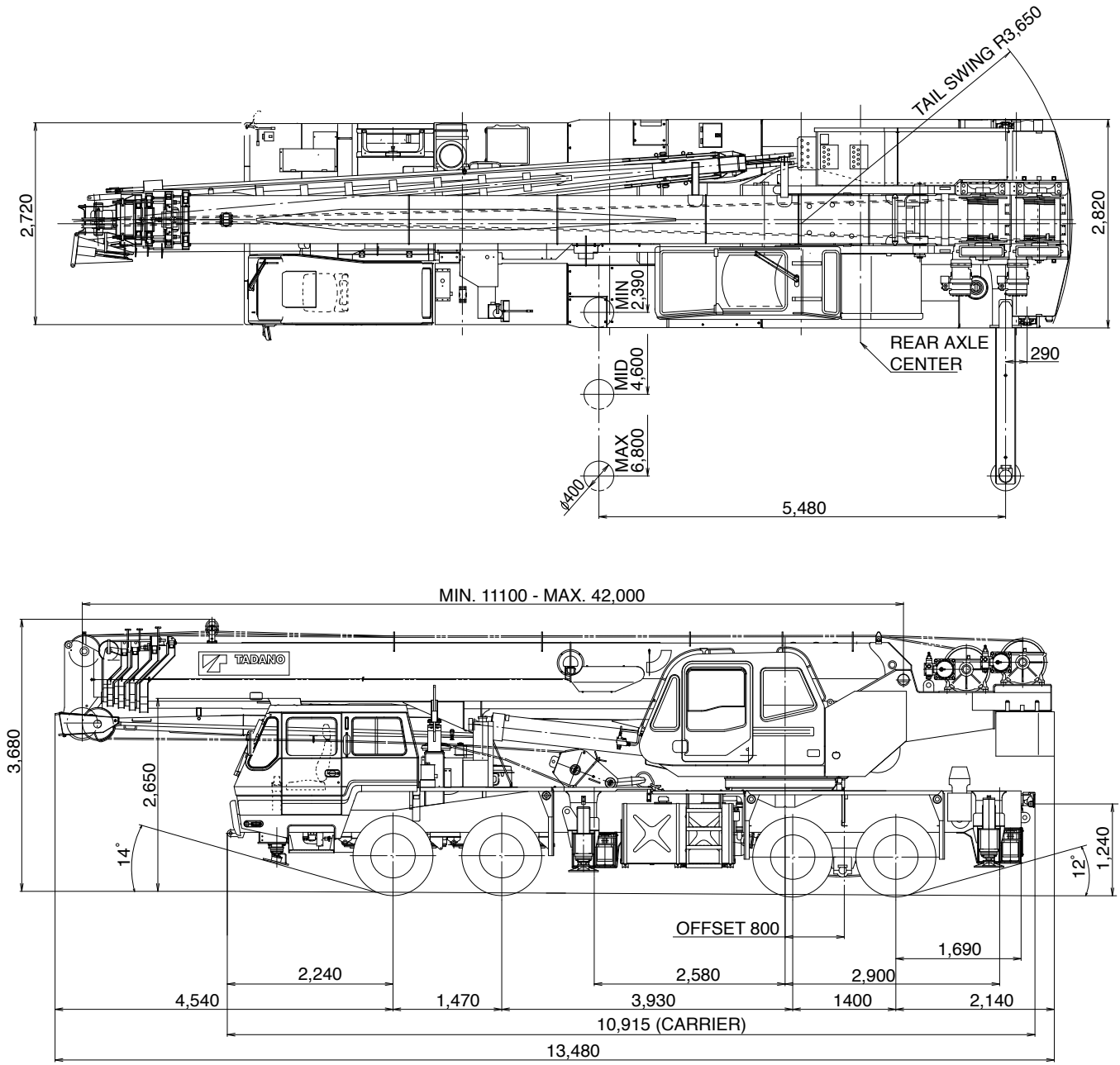


Front jack not extended
 FL outrigger extended to fully, FR outrigger extended to minimum
 RL outrigger extended to middle, RR outrigger extended to minimum



DIMENSION

SPEC. SHEET NO. GT-550E-1-00102/EX-93



Tread (track) - Front 2,250 mm Min. ground clearance 230 mm
 - Rear 2,110 mm (rear equalizer beam)

Specifications are subject to change without notice.




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
TADANO LTD. (International Division)

4-12, Kamezawa 2-chome,
Sumida-ku, Tokyo 130-0014, Japan

Tel : 81-(0)3-3621-7750

Fax : 81-(0)3-3621-7785

 <http://www.tadano.co.jp/indexe.htm>

 tdnihq@tadano.co.jp

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