KATO

# NK-600RX

## FULLY HYDRAULIC TRUCK CRANE

## 【SPECIFICATION】

### ■CRANE

| | | | |
|---|---|---|---|
| Description | | Truck crane with maximum lifting capacity 60 ton | |
| Model | | NK-600RX | |
| **●Specification** | | | |
| Maximum rated lifting capacity | | 11.0 m Boom | 60,000kg × 2.7 m (Parts of line : 14) |
| | | 11.0 m Boom | 40,000kg × 4.0 m (Parts of line : 10) |
| | | 15.0 m Boom | 28,000kg × 5.0 m (Parts of line : 8) |
| | | 19.0 m Boom | 28,000kg × 5.0 m (Parts of line : 8) |
| | | 23.0 m Boom | 24,000kg × 6.0 m (Parts of line : 6) |
| | | 27.0 m Boom | 20,000kg × 7.0 m (Parts of line : 5) |
| | | 35.0 m Boom | 14,000kg × 8.5 m (Parts of line : 4) |
| | | 43.0 m Boom | 8,000kg × 11.0 m (Parts of line : 4) |
| | | 9.2 m Jib | 3,500kg × 78° (Parts of line : 1) |
| | | 15.0 m Jib | 2,500kg × 80° (Parts of line : 1) |
| | | Rooster | 4,500kg (Parts of line : 1) |
| Boom length | | 11.0m — 43.0m (5-section) | |
| Fly jib length | | 9.2m, 15.0m (2-section) | |
| Maximum lifting height | | 43.0m (Boom) | |
| | | 58.0m (Jib) | |
| Hoisting line speed | Main winch | 114 m/min. (at 3rd layer) | |
| | Auxiliary winch | 105 m/min. (at 2nd layer) | |
| Hoisting hook speed | Main winch | (Parts of line; 14) : 8.1 m/min. (at 3rd layer) | |
| | Auxiliary winch | (Parts of line; 1) : 105 m/min. (at 2nd layer) | |
| Boom derricking angle | | -2.5° — 81° | |
| Boom derricking time | | 70s (-2.5° — 81° ) | |
| Boom extending time | | 170s (11.0m — 43.0m) | |
| Slewing speed | | 2.1min$^{-1}$ | |
| Tail slewing radius | | 3,480mm | |
| **●Equipment and structure** | | | |
| Boom type | | Round-shaped, 5-section hydraulic telescopic type (the 2nd and 3rd, 4th and 5th boom sections simultaneously operated) | |
| Jib type | | 2 sections (2nd section of draw-out type) (offset angles 5° , 25° and 45° ) | |
| Boom extension/ retraction equipment | | Three hydraulic cylinders and wire ropes used together | |
| Boom derricking/ lowering equipment | | One hydraulic cylinder of direct acting type with pressure-compensated flow control valve | |
| Winch system Main & Auxiliary winches | | Driven by axial plunger type hoisting motor through planetary gear reduction. Controlled independently by operating lever. equipped with automatic brake. | |
| Slewing equipment | | Ball bearing type | |
| Wire rope for hoisting | Main winch | Diameter: 18mm × Length: 235m | |
| | Auxiliary winch | Diameter: 18mm × Length: 125m | |
| **●Hydraulic equipment** | | | |
| Oil pump | | 4 section gear type | |
| Hydraulic motor | Hoisting motor | Axial plunger type | |
| | Slewing motor | Axial plunger type | |
| Control valve | | 3 position 4 way double acting with integral check and relief valves | |
| Cylinder | | Double acting type | |
| Oil reservoir capacity | | 695L | |
| **●Safety devices** | | | |
| | | ACS (Automatic Crane System with voice alarm), Boom derricking / telescoping holding valve, Overhoist prevention device, Drum lock device, Winch drum turning indicator device, Automatic winch brake, Winch holding valve, Winch drum roller, Hydraulic safety valves, Outrigger lock pins, Joystick control safety stop system, Slewing lock | |
| **●Standard equipment** | | | |
| | | Front jack, Fly jib, Rooster sheave, Independent two winches control system, Irregular winding prevention device, Winch automatic brake, Hooks (40 ton, 20 ton, 4.5 ton), Hydraulic oil cooler, Full size fender, Large size steps, 3 working lights, Moment limiter with voice alarm, Winch drum turning indicator, Sun visor, Cigar lighter, Ashtray, Cab floor mat, Tool kit, Winch over-unwinding device, AM/FM Radio, Fire extinguisher, Cab level gauge | |
| **●Optional equipment** | | | |
| | | Winch drum mirror (hoist mirror), Yellow rev. light, Cab heater, Cab cooler, Fan, Roof visor, Sub hook sheave for 60t, Outrigger sheet, K･COR (Kato Crane Operation Recorder) | |

### ■CARRIER

| | | |
|---|---|---|
| Maker | | KATO |
| Model | | KT4060L, KT4060R |
| **●Specification** | | |
| Maximum traveling speed | | 75km/h |
| Grade ability (tan $\theta$ ) | | 35% (computed at G.V.W.= 41,200kg) |
| Minimum turning radius | | 11.7m |
| **●General dimensions & G.V.W.** | | |
| Overall length | | approx.13,370mm |
| Overall width | | approx. 2,800mm |
| Overall height | | approx. 3,750mm |
| Wheel base | | 1,450mm ＋ 3,900mm ＋ 1,350mm ＝ 6,700mm |
| Treads | Front | 2,300mm |
| | Rear | 2,080mm |
| Outriggers | Type | Hydraulic H-beam type (with float and vertical cylinder in single unit) |
| | Extension width | 7,000mm (Fully extended) |
| | | 4,800mm (Intermediately extended) |
| | | 2,500mm (Completely retracted ※blocked on vertical cyls.) |
| Gross machine weight | Gross weight | approx. 41,200kg |
| | Front weight | approx. 15,500kg |
| | Rear weight | approx. 25,700kg |
| **●Engine** | | |
| Maker | | HINO |
| Model | | E13C-YY (Equivalent to EURO Ⅲ) |
| Type | | 4 cycle, 6 cylinders,water cooled,direct injection turbo-charged diesel engine with intercooling |
| Piston displacement | | 12.913L |
| Max. power | | 302kW / 1,800min$^{-1}$ |
| Max. torque | | 1863N・m / 1,100min$^{-1}$ |

* NOTE : Diesel Fuel recommended by KATO must be used

| | | |
|---|---|---|
| **●Equipment and structure** | | |
| Drive system | | 8×4 |
| Clutch | | Single dry plate, hydraulic control with air booster |
| Transmission | | Manual transmission type |
| Number of speeds | | 6 forward & 1 reverse speed |
| Axles | Front | Reverse "ELLIOT" type |
| | Rear | Full floating type |
| Suspension | Front | Leaf springs with shock absorber |
| | Rear | Equalizer beams & torque rods |
| Brake | Service | 2 circuit air brake |
| | Front axles | Disk brake |
| | Rear axles | Drum brake |
| | Parking | Spring loaded brake |
| | Auxiliary | Engine retarder brake |
| Steering | Type | Ball nut type with power booster |
| Tire size | Front | 315 / 80R22.5 156 / 150K |
| | Rear (dual tire) | 315 / 80R22.5 156 / 150K |
| | Front | 315 / 80R22.5 156 / 153J |
| | Rear (dual tire) | 315 / 80R22.5 156 / 153J |
| Fuel tank capacity | | 370 L |
| Seating capacity | | 2 persons |
| Battery | | 12V ― 145G51 × 2 |
| **●Standard equipment** | | |
| | | Towing hook (front and rear, eye type), Spare tire & wheel, Air dryer, AM/FM Radio, Cigar lighter, Ashtray, Air conditioner |

- Stow the hooks in place before traveling.
- Before you use this machine, read the precautions in the instruction manual thoroughly to operate it correctly.
- KATO products and specifications are subject to improvements and changes without notice.

7710010000 (Left-hand drive)
7710010100 (Right-hand drive)

# ■LIFTING CAPACITY

Based on ISO 4305
Not exceed 75% of static tipping loads

## 11.0m — 43.0m Boom

(Unit: Metric ton)

| Outriggers fully extended with front jack - 360° full range<br>Outriggers fully extended without front jack - over side and over rear | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Working radius (m) | 11.0m Boom | 11.0m Boom | 15.0m Boom | 19.0m Boom | 23.0m Boom | 27.0m Boom | 35.0m Boom | 43.0m Boom |
| 2.7 | 60.00 | | | | | | | |
| 3.0 | 55.20 | 40.00 | 28.00 | 28.00 | 24.00 | | | |
| 3.5 | 46.70 | 40.00 | 28.00 | 28.00 | 24.00 | | | |
| 4.0 | 40.50 | 40.00 | 28.00 | 28.00 | 24.00 | 20.00 | | |
| 4.5 | 35.50 | 35.50 | 28.00 | 28.00 | 24.00 | 20.00 | | |
| 5.0 | 31.50 | 31.50 | 28.00 | 28.00 | 24.00 | 20.00 | 14.00 | |
| 5.5 | 28.30 | 28.30 | 27.60 | 27.50 | 24.00 | 20.00 | 14.00 | |
| 6.0 | 25.60 | 25.60 | 25.30 | 25.00 | 24.00 | 20.00 | 14.00 | |
| 6.5 | 23.30 | 23.30 | 23.00 | 22.90 | 22.50 | 20.00 | 14.00 | 8.00 |
| 7.0 | 21.40 | 21.40 | 21.00 | 20.80 | 20.60 | 20.00 | 14.00 | 8.00 |
| 7.5 | 19.70 | 19.70 | 19.30 | 19.30 | 19.00 | 18.60 | 14.00 | 8.00 |
| 8.0 | 17.90 | 17.90 | 17.75 | 17.60 | 17.50 | 17.50 | 14.00 | 8.00 |
| 8.5 | 16.50 | 16.50 | 16.40 | 16.30 | 16.20 | 16.20 | 14.00 | 8.00 |
| 9.0 | 15.10 | 15.10 | 15.10 | 14.90 | 14.80 | 14.70 | 13.90 | 8.00 |
| 10.0 | | | 12.40 | 12.30 | 12.20 | 12.05 | 12.90 | 8.00 |
| 11.0 | | | 10.35 | 10.15 | 10.05 | 9.90 | 10.85 | 8.00 |
| 12.0 | | | 8.70 | 8.50 | 8.40 | 8.30 | 9.15 | 7.85 |
| 13.0 | | | 7.40 | 7.20 | 7.10 | 7.00 | 7.85 | 7.40 |
| 14.0 | | | | 6.15 | 6.05 | 5.95 | 6.75 | 6.85 |
| 16.0 | | | | 4.50 | 4.40 | 4.25 | 5.15 | 5.55 |
| 18.0 | | | | | 3.15 | 3.05 | 3.90 | 4.35 |
| 20.0 | | | | | 2.25 | 2.15 | 2.95 | 3.35 |
| 22.0 | | | | | | 1.40 | 2.20 | 2.65 |
| 24.0 | | | | | | 0.85 | 1.60 | 2.05 |
| 26.0 | | | | | | | 1.10 | 1.55 |
| 28.0 | | | | | | | 0.70 | 1.10 |
| 30.0 | | | | | | | | 0.80 |
| 31.0 | | | | | | | | 0.60 |
| Critical boom angle | — | | | | | | *33°* | *40°* |
| Standard hook | For 60ton | For 40ton | | | | For 20ton | | |
| Hook mass | 615kg | 475kg | | | | 320kg | | |
| Parts of line | 14 | 10 | 8 | 8 | 6 | 5 | 4 | 4 |

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(Unit: Metric ton)

| Outriggers intermediately extended without front jack - 360° full range<br>Outriggers fully extended without front jack - over front | | | | | | | |
|---|---|---|---|---|---|---|---|
| Working radius (m) | 11.0m Boom | 15.0m Boom | 19.0m Boom | 23.0m Boom | 27.0m Boom | 35.0m Boom | 43.0m Boom |
| 3.0 | 32.00 | 28.00 | 28.00 | 24.00 | | | |
| 3.5 | 32.00 | 28.00 | 28.00 | 24.00 | | | |
| 4.0 | 32.00 | 28.00 | 28.00 | 24.00 | 20.00 | | |
| 4.5 | 30.70 | 28.00 | 28.00 | 24.00 | 20.00 | | |
| 5.0 | 23.10 | 22.75 | 21.50 | 21.40 | 20.00 | 14.00 | |
| 5.5 | 18.25 | 17.95 | 17.45 | 16.80 | 16.70 | 14.00 | |
| 6.0 | 14.90 | 14.65 | 14.50 | 13.60 | 13.50 | 14.00 | |
| 6.5 | 12.45 | 12.20 | 12.00 | 11.50 | 11.20 | 12.30 | 8.00 |
| 7.0 | 10.50 | 10.35 | 10.20 | 9.95 | 9.45 | 10.45 | 8.00 |
| 7.5 | 9.10 | 8.90 | 8.75 | 8.50 | 8.20 | 9.00 | 8.00 |
| 8.0 | 7.90 | 7.70 | 7.55 | 7.35 | 7.20 | 7.85 | 8.00 |
| 9.0 | 6.05 | 5.90 | 5.75 | 5.55 | 5.55 | 6.05 | 6.50 |
| 10.0 | | 4.55 | 4.45 | 4.20 | 4.20 | 4.80 | 5.20 |
| 11.0 | | 3.50 | 3.35 | 3.15 | 3.15 | 3.90 | 4.20 |
| 12.0 | | 2.65 | 2.55 | 2.35 | 2.35 | 3.10 | 3.45 |
| 13.0 | | 2.00 | 1.85 | 1.65 | 1.65 | 2.45 | 2.85 |
| 14.0 | | | | | | 1.90 | 2.30 |
| 15.0 | | | | | | | 1.85 |
| Critical boom angle | — | — | *35°* | *48°* | *58°* | *64°* | *68°* |
| Standard hook | For 40ton | | | | For 20ton | | |
| Hook mass | 475kg | | | | 320kg | | |
| Parts of line | 8 | 8 | 8 | 6 | 5 | 4 | 4 |

771-75103000

## 43m Boom + 9.2m Jib

## 43m Boom + 15m Jib

(Unit: Metric ton)

Outriggers fully extended with front jack - 360° full range
Outriggers fully extended without front jack - over side and over rear

| 43m Boom + 9.2m Jib | | | | | | | 43m Boom + 15m Jib | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Boom angle (°) | Offset 5° | | Offset 25° | | Offset 45° | | Boom angle (°) | Offset 5° | | Offset 25° | | Offset 45° | |
| | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) |
| *81* | 10.3 | 3.50 | 13.3 | 2.50 | 15.0 | 1.35 | *81* | 12.0 | 2.50 | 16.5 | 1.30 | 19.8 | 0.75 |
| *80* | 11.3 | 3.50 | 14.2 | 2.50 | 15.8 | 1.35 | *80* | 13.1 | 2.50 | 17.5 | 1.30 | 20.6 | 0.75 |
| *79* | 12.3 | 3.50 | 15.1 | 2.45 | 16.7 | 1.35 | *79* | 14.3 | 2.45 | 18.5 | 1.25 | 21.4 | 0.70 |
| *78* | 13.3 | 3.50 | 16.0 | 2.40 | 17.6 | 1.30 | *78* | 15.3 | 2.40 | 19.5 | 1.25 | 22.3 | 0.70 |
| *77* | 14.3 | 3.40 | 16.9 | 2.30 | 18.4 | 1.30 | *77* | 16.4 | 2.30 | 20.4 | 1.20 | 23.3 | 0.70 |
| *75* | 16.1 | 3.10 | 18.7 | 2.20 | 20.1 | 1.25 | *75* | 18.5 | 2.15 | 22.4 | 1.15 | 25.1 | 0.65 |
| *72* | 18.8 | 2.65 | 21.2 | 2.00 | 22.6 | 1.20 | *74* | 19.5 | 2.10 | 23.3 | 1.15 | 26.0 | 0.65 |
| *70* | 20.5 | 2.45 | 22.9 | 1.85 | 24.1 | 1.15 | *72* | 21.5 | 1.90 | 25.2 | 1.10 | 27.7 | 0.65 |
| *68* | 22.3 | 2.25 | 24.5 | 1.75 | 25.7 | 1.15 | *70* | 23.4 | 1.70 | 27.0 | 1.05 | 29.4 | 0.65 |
| *66* | 24.0 | 2.05 | 26.1 | 1.65 | 27.2 | 1.10 | *68* | 25.3 | 1.55 | 28.8 | 1.00 | 31.0 | 0.60 |
| *64* | 25.4 | 1.70 | 27.7 | 1.45 | 28.7 | 1.10 | *66* | 27.1 | 1.45 | 30.6 | 0.95 | 32.6 | 0.60 |
| *62* | 26.8 | 1.40 | 29.1 | 1.20 | 30.2 | 1.05 | *64* | 28.9 | 1.30 | 32.3 | 0.90 | 34.1 | 0.60 |
| *60* | 28.3 | 1.10 | 30.4 | 1.00 | 31.4 | 0.90 | *62* | 30.5 | 1.10 | 34.0 | 0.90 | 35.5 | 0.60 |
| *58* | 29.7 | 0.85 | 31.7 | 0.75 | 32.6 | 0.75 | *60* | 32.1 | 0.85 | 35.4 | 0.75 | 37.0 | 0.55 |
| *56* | 31.1 | 0.75 | 33.0 | 0.55 | 33.8 | 0.55 | *58* | 33.6 | 0.65 | 36.9 | 0.55 | 38.4 | 0.55 |
| Critical boom angle | *55°* | | | | | | Critical boom angle | *57°* | | | | | |
| Standard hook | For 4.5 ton | | | | | | Standard hook | For 4.5 ton | | | | | |
| Hook mass | 120kg | | | | | | Hook mass | 120kg | | | | | |
| Parts of line | 1 | | | | | | Parts of line | 1 | | | | | |

771-75104000

## 43m Boom + 9.2m Jib

## 43m Boom + 15m Jib

(Unit: Metric ton)

Outriggers intermediately extended without front jack - 360° full range
Outriggers fully extended without front jack - over front

| 43m Boom + 9.2m Jib | | | | | | | 43m Boom + 15m Jib | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Boom angle (°) | Offset 5° | | Offset 25° | | Offset 45° | | Boom angle (°) | Offset 5° | | Offset 25° | | Offset 45° | |
| | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) | Working radius (m) | Load (ton) |
| *81* | 10.3 | 3.50 | 13.3 | 2.50 | 15.0 | 1.35 | *81* | 12.0 | 2.50 | 16.5 | 1.30 | 19.8 | 0.75 |
| *80* | 11.3 | 3.50 | 14.2 | 2.50 | 15.8 | 1.35 | *80* | 13.1 | 2.50 | 17.5 | 1.30 | 20.6 | 0.75 |
| *79* | 12.3 | 3.50 | 15.1 | 2.40 | 16.7 | 1.35 | *79* | 14.3 | 2.40 | 18.5 | 1.25 | 21.4 | 0.70 |
| *78* | 13.0 | 2.75 | 15.9 | 2.15 | 17.6 | 1.30 | *78* | 15.2 | 2.20 | 19.5 | 1.25 | 22.2 | 0.70 |
| *77* | 13.9 | 2.40 | 16.7 | 1.90 | 18.4 | 1.30 | *77* | 16.1 | 1.90 | 20.4 | 1.20 | 22.3 | 0.70 |
| *76* | 14.7 | 2.00 | 17.4 | 1.60 | 19.3 | 1.25 | | | | | | | |
| Critical boom angle | *75°* | | | | | | Critical boom angle | *76°* | | | | | |
| Standard hook | For 4.5 ton | | | | | | Standard hook | For 4.5 ton | | | | | |
| Hook mass | 120kg | | | | | | Hook mass | 120kg | | | | | |
| Parts of line | 1 | | | | | | Parts of line | 1 | | | | | |

771-75105000

(Unit: Metric ton)

| Outriggers completely retracted (blocked on vertical cylinders) - 360° full range | |
|---|---|
| Working radius (m) | 11.0m Boom |
| 3.0 | 8.00 |
| 3.5 | 6.40 |
| 4.0 | 5.10 |
| 4.5 | 4.20 |
| 5.0 | 3.40 |
| 5.5 | 2.80 |
| 6.0 | 2.30 |
| 6.5 | 1.90 |
| 7.0 | 1.60 |
| 7.5 | 1.25 |
| 8.0 | 1.00 |
| Standard hook | For 40 ton |
| Hook mass | 475kg |
| Parts of line | 10 |

771-75105001

4th and 5th boom section telescoping mode (Unit: Metric ton)

| Outriggers fully extended with front jack - 360° full range<br>Outriggers fully extended without front jack - over side and over rear | | |
|---|---|---|
| Working radius (m) | 19.0m Boom | 27.0m Boom |
| 3.0 | 14.00 | |
| 3.5 | 14.00 | |
| 4.0 | 14.00 | 8.00 |
| 4.5 | 14.00 | 8.00 |
| 5.0 | 14.00 | 8.00 |
| 6.0 | 13.60 | 8.00 |
| 7.0 | 12.00 | 8.00 |
| 8.0 | 10.70 | 7.30 |
| 9.0 | 9.65 | 6.50 |
| 10.0 | 8.80 | 5.85 |
| 11.0 | 8.05 | 5.30 |
| 12.0 | 7.45 | 4.85 |
| 13.0 | 6.90 | 4.45 |
| 14.0 | 6.45 | 4.10 |
| 15.0 | 6.05 | 3.80 |
| 16.0 | 5.70 | 3.50 |
| 18.0 | | 3.05 |
| 20.0 | | 2.70 |
| 22.0 | | 2.40 |
| 24.0 | | 2.15 |
| Critical boom angle | — | |
| Standard hook | For 20ton | |
| Hook mass | 320kg | |
| Parts of line | 4 | |

4th and 5th boom section telescoping mode (Unit: Metric ton)

| Outriggers intermediately extended without front jack - 360° full range<br>Outriggers fully extended without front jack - over front | | |
|---|---|---|
| Working radius (m) | 19.0m Boom | 27.0m Boom |
| 3.0 | 14.00 | |
| 3.5 | 14.00 | |
| 4.0 | 14.00 | 8.00 |
| 4.5 | 14.00 | 8.00 |
| 5.0 | 14.00 | 8.00 |
| 6.0 | 13.60 | 8.00 |
| 7.0 | 11.20 | 8.00 |
| 8.0 | 9.05 | 7.30 |
| 9.0 | 7.45 | 6.50 |
| 10.0 | 6.20 | 5.85 |
| 11.0 | 5.20 | 5.30 |
| 12.0 | 4.35 | 4.60 |
| 13.0 | 3.70 | 4.00 |
| 14.0 | 3.10 | 3.45 |
| 15.0 | 2.60 | 3.00 |
| 16.0 | 2.20 | 2.65 |
| 18.0 | | 2.00 |
| 20.0 | | 1.50 |
| 22.0 | | 1.05 |
| 24.0 | | 0.75 |
| Critical boom angle | — | |
| Standard hook | For 20ton | |
| Hook mass | 320kg | |
| Parts of line | 4 | |

771-75106000

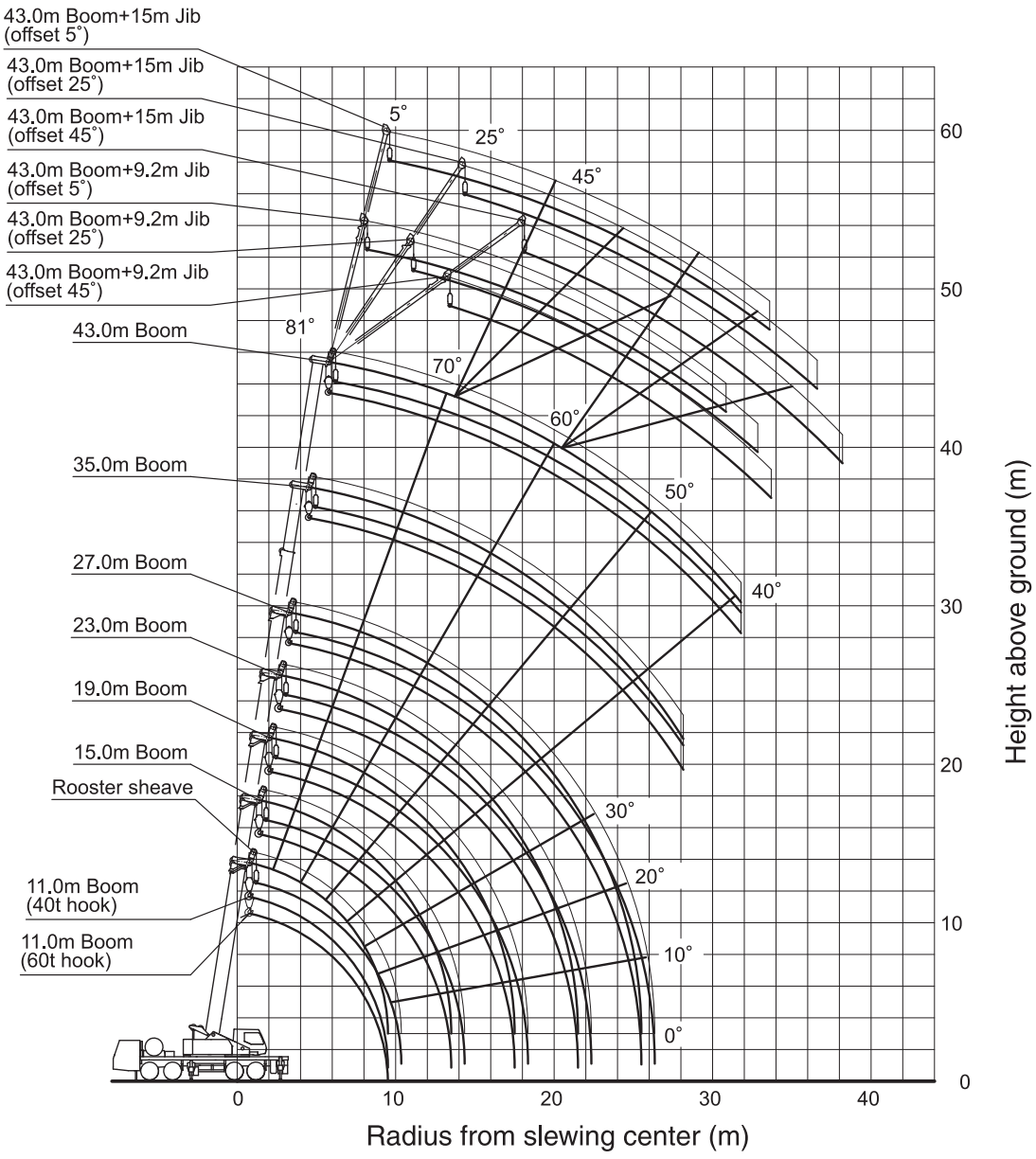
## ■Notes for the lifting capacity chart

1. The rated lifting capacities indicate the maximum load which can be lifted by this crane provided it is standing on firm, level ground. They include the mass of the hook and all other slings etc. The capacities enclosed with bold lines are based on the structural strength of the crane.
2. The working radii as given in the rated lifting capacity chart are the actual values including the deflection of the boom. Therefore, operate the crane based on the working radius. However, the working radii shown for jib operations are based on the values obtained when the boom is fully extended (43m). If the boom is at any other length, jib operations should be performed on the basis of the boom angle only.
3. The rated lifting capacities for the rooster sheave are equivalent to the rated lifting capacities for the boom to a maximum of 4500kg.

   At all times the mass of all slings etc. in use (including the slings etc. attached to the boom) must be subtracted from the rated lifting capacity.
4. If the boom length exceeds the rated value, the rated lifting capacities for the rated boom length or for the one stage longer boom length should be referred to, and the crane should be operated within the smaller lifting capacity.
5. If you are working with the boom while the jib is mounted, 4000kg plus the mass of the slings etc. should be subtracted from the rated lifting capacity. When performing the above operation, do not use the rooster sheave.
6. Critical boom angles for each boom length are shown on bottommost line of the rated lifting capacity chart. If the boom angle is lowered to less than the critical boom angle, the crane will tip over even if unloaded. Therefore, never lower the boom below these angles.
7. The standard number of parts of line for each boom length are indicated in the rated lifting capacity chart. If you work with a non-number of parts of line, take 42.1kN (4.3tf) as the maximum load on any part of the wire rope.
8. Frontward hoisting capacity with the outriggers fully extended is lower than sideward or rearward hoisting capacity. Great care should be taken when transferring from over side to over front since there is a danger of overloading.
9. Crane operation is permissible up to a wind speed of 10m/s.

   Even in relatively light wind conditions, extra care should be taken when handling loads presenting large wind catching areas.
10. If you work with a load in excess of the rated lifting capacity or use incorrect working procedures, you are risking damaging the crane or tipping it over. In such cases, the crane will not be guaranteed.
11. When the 4th & 5th boom sections are extended before extending the 2nd & 3nd boom sections completely, the rated lifting capacity for the special purpose shall be applied to prevent from damages on boom and extension system.

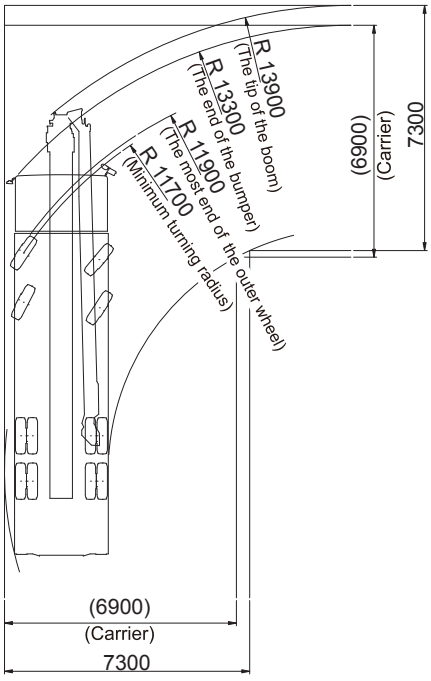
## ■WORKING RANGE



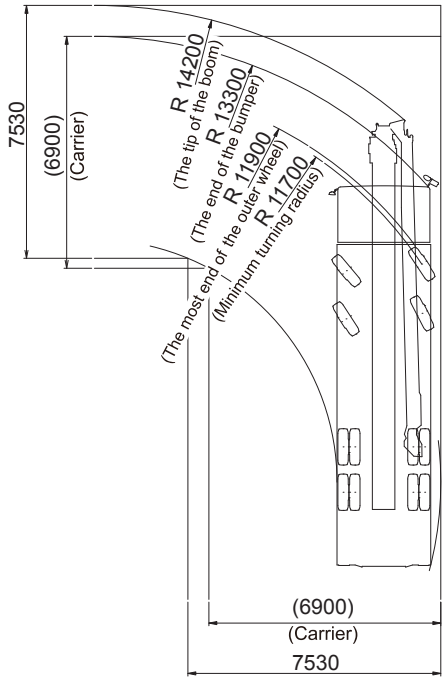

Notes:
1. Deflection of boom and jib is excluded.

## ■Minimum path width

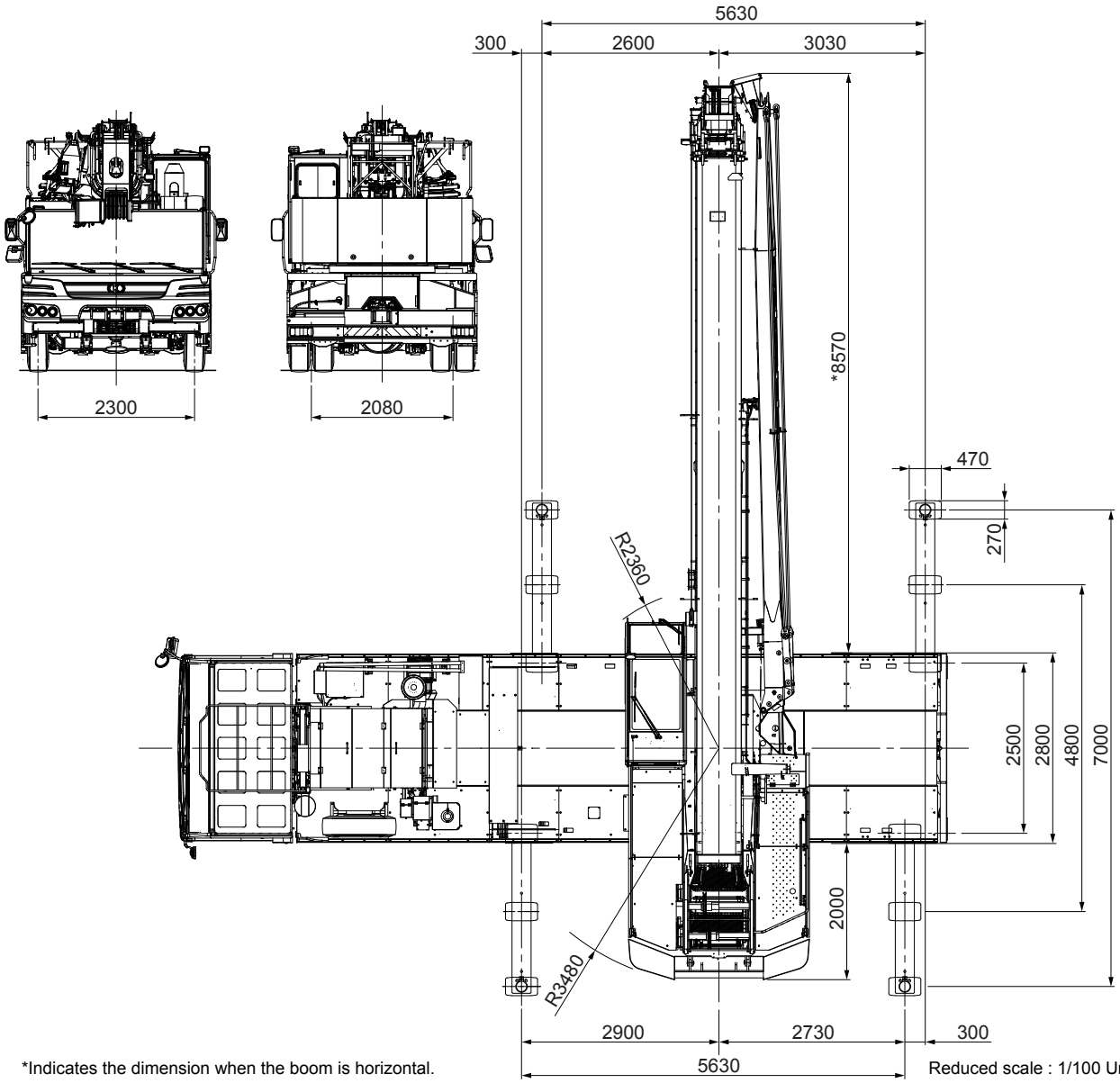
●Right turn




●Left turn



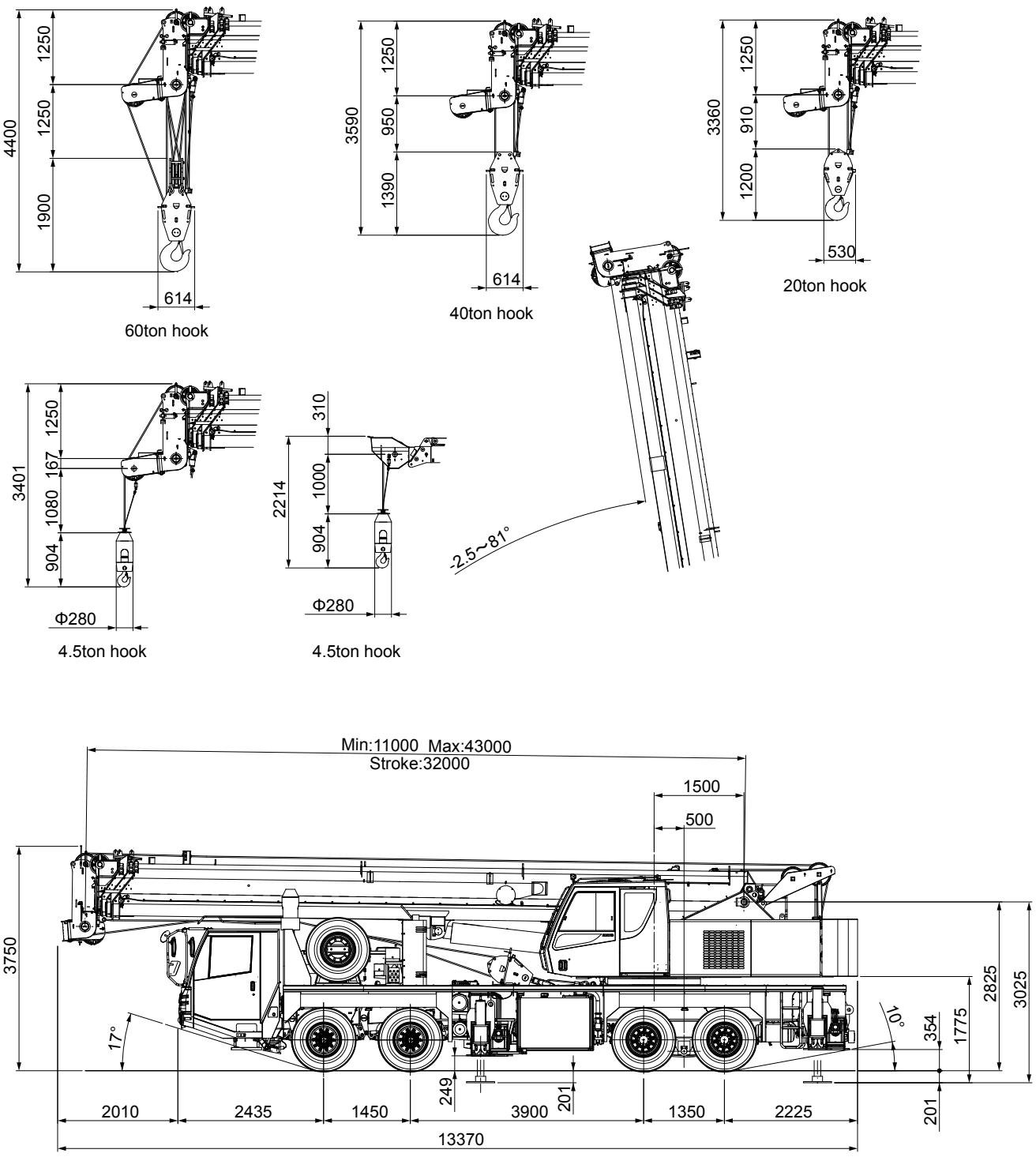

## ■Overall view




*Indicates the dimension when the boom is horizontal.

Reduced scale : 1/100 Unit (mm)

## ■Overall view




Reduced scale : 1/100 Unit (mm)

* KATO products and specifications are subject to improvements and changes without notice.

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ISO 9001 BUREAU VERITAS Certification

We acquired the "ISO 9001" certification which is an international standard for quality assurance.


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