



[SPECIFICATION]

CRANE Description Crane spec Maximum rated I capacity Boom length			be with maximum lifting capacity 51 ton 51,000kg × 2.5 m (Parts of line : 11) 22,000kg × 7.0 m (Parts of line : 6) 19,000kg × 5.0 m (Parts of line : 4) 12,000kg × 8.0 m (Parts of line : 4)										
Crane spece		10.7 m Boom 18.8 m Boom 26.9 m Boom 35.0 m Boom 8.8 m Jib	51,000kg × 2.5 m (Parts of line : 11) 22,000kg × 7.0 m (Parts of line : 6) 19,000kg × 5.0 m (Parts of line : 4)										
capacity Boom length	lifting	18.8 m Boom 26.9 m Boom 35.0 m Boom 8.8 m Jib	22,000kg × 7.0 m (Parts of line : 6) 19,000kg × 5.0 m (Parts of line : 4)										
capacity Boom length	lifting	26.9 m Boom 35.0 m Boom 8.8 m Jib	19,000kg × 5.0 m (Parts of line : 4)										
capacity Boom length	lifting	35.0 m Boom 8.8 m Jib											
Boom length		8.8 m Jib											
		15.2 m Jib	$5,000$ kg $\times 75^{\circ}$ (Parts of line : 1)										
		15.2 m Jib 3,000kg × 78° (Parts of line : 1)											
		Rooster 5,000kg											
		10.7m — 35.0m (4-section)											
Jib length	lifting	8.8m, 15.2m (2-section, offset angles 5°, 25° and 45°) 35.6m (Boom)											
Maximum rated I height	inting	51.0m (Jib)											
Hoisting	Main winch	110 m/min (at 4th	layer)										
	Auxiliary winch	96 m/min (at 2nd layer)											
Licioung licold op ood L	Main winch		15.7 m/min. (at 4th layer)										
	Auxiliary winch Main winch	144m / min (at 4th	96 m/min. (at 2nd layer)										
Part Press	Auxiliary winch	125m / min (at 2nd											
Boom derricking	angle	-1.0° — 82.0°											
Boom derricking	time	49s / -1.0° — 82.0											
Boom extending	speed	10.7m — 35.0m /	80s										
Slewing speed Tail slewing radiu	IS	2.3min ⁻¹ 4,100mm											
Equipment													
			section hydraulically telescopic type										
Boom type		(the 2nd, 3rd and	4th boom sections at the same time)										
Jib type		2-section (2nd sec (offset angles 5°, 2	tion of draw-out type) 25° and 45°)										
Boom extension	/												
retraction equipn		One hydraulic cylinder and wire ropes used together											
Boom derricking equipment	lowering	compensated flow	nder of direct acting type with pressure- control valve										
Winch system			nger type, hoisting motor through planetary gear										
Main & Auxiliary	winches	Equipped with auto											
Slewing equipme	ent		draulic motor drive and a planetary gear speed egative brake), Free / Lock change-over type										
Slewing bearing		Ball bearing type											
	Туре	Hydraulic H-beam type (with float and vertical cylinder in single unit)											
Outriggers	- · ·	7,000mm (Fully extended) 6,500mm (Intermediately extended)											
Outriggers	Extension width	5,000mm (Intermediately extended)											
		2,480mm (Completely retracted)											
Wire rope for	Main winch	Diameter: 18mm × Length: 195m											
	Auxiliary winch	Diameter: 18mm ×	Length: 110m										
Hydraulic e	equipmer												
Oil pump	Hoistina	4 pumps, plunger	and gear type										
Hydraulic	motor	Axial plunger type											
motor	Slewing	Axial plunger type											
Control valve	motor	Double acting with integral check and relief valves											
Cylinder		Double acting with											
Oil reservoir cap	acity	560L											
 Safety devi 	ices												
		Slewing automatic Outrigger status de Overhoist preventio Automatic winch br Outrigger lock pins, Joystick control saf Hydraulic oil tempe	tector, Boom derricking / telescoping holding valve, n device, Winch holding valve, ake, Winch drum roller, Hydraulic safety valves, Slewing lock,										
Standard e	quipmer												
		Working light (on b Winch drum turnin	boom, table and cab), g indication device, Winch over unwinding device,										
Operator's	cab	Level gauge, Acce	essory socket (24V), 34 ton hook, 5 ton hook										
	Cab	Adjustable steering Front windscreen	onstruction, 1 person, Rubber mounted, g wheel, Adjustable seat, Seat belt, Cab cooler, wiper & washer (2 speed wiper), r & washer, Floor mat										
Optional ed	quipmen												
		Anemometer, Win	ic oil cooler, Slewing warning buzzer, ch view camera, Cab heater, AM/FM Radio, K.COR (Kato Crane Operation Recorder),										

Minimum turning radius Center of extreme outer time) 6.7m (4 wheel steer) 7.545L 7ype 7.545L 7.545	Carrier sp	ecificatio	n										
Minimum turning radius (center of extreme outer the) 6.7m (4 wheel steer) 6.7m (4 wheel steer) 7.545L Max. power 2.00kW at 2.800min ¹ Max. torque 7.545L 7.54	Maximum trave	ling speed	48km/h										
Center of extreme outer tire) 6.7m (4 wheel steer)	Grade ability		56% (computed at G.V.W. = 33970 kg)										
Engine Maker Misubishi Model 60M60-TL 70			11.7m (2 wheel steer)										
Maker Mitsubishi Model 6M60-TL Type 4 cycle, 6 çyinders, water cooled, direct injection turbo-charged diesel engine with intercooling Piston displacement 7.545L Max, power 200kW at 2,600min ¹ Max, torque 785N-m at 1,400min ¹ Dires ystem 4 × 2 / 4 × 4 Equipment and structure Engine mounted 3 elements Torque converter Engine mounted 3 elements Transmission Remote mounted 1 ful automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Parking barlie dectrically air released parking brake mounted of front axle Muxiliary Exhaust brake, Service brake lock Steering Front taxle Virth automatic rear wheel steering lock system) Full hydraulic power steering. (with automatic), Brake full dual warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Service brake	(center of extrem	e outer tire)	6.7m (4 wheel steer)										
Model 6M60-TL Type 4 cycle, 6 Cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling Piston displacement 7.545L Max. power 200kW at 2,600min ⁻¹ Max.torque 785N-m at 1,400min ⁻¹ Diesel Fuel recommended by KATO must be used • ●Equipment and structure Drive system 4 × 2 / 4 × 4 Torque converter Istage (with lock up clutch) Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Number of speeds Front Planetary, drive/steer type • Suspension Front Planetary, drive/steer type • Suspension Front & Arever hydraulic locking device with shock absorbe • Brake system Paring bring applied, electrically air released parking brake mounted or brake • Brake system Front 305 / 95 R25 183E ROAD • • Tire size Front 100 / 92 S1 832 ROAD • • • Steering Completely independent front and rear steering lock system) • • • <tr< td=""><td>Engine</td><td></td><td></td></tr<>	Engine												
Type 4 cycle, 6 cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling Piston displacement 7.545L Max, power 200kW at 2,600min ¹ Max, torque 785N-m at 1,400min ¹ Diesel Fuel recommended by KATO must be used • ● Equipment and structure Engine mounted 3 elements Drive system 4 × 2 / 4 × 4 Torque converter Engine mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front 4 Rear Planetary, drive/steer type Suspension Front 4 Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Sprice Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit) Parking Spring applied, electrically air released parking brake mounted of the tox able Auxliary Exhaust brake, Service brake lock Steering Front Spring applied, electrically air released parking brake mounted of the tox able Steering Spring applied, electrically air released parking brake mounted or tox and rear steering (with automatic rear wheel steering lock system) Tire size Front Spring ap													
Pype diešel engine with intercooling Image: Construct of the system Piston displacement 7.545L Image: Construct of the system Max, torque 785N·m at 1,400min ⁻¹ Dirke system 4×2 / 4×4 Torque converter Engine mounted 3 elements Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Suspension Front & Rear Planetary, drive/steer type Suspension Service Ariorever hydraulic click brake on 4 wheels Brake system Paring Spring applied, electrically air released parking brake mounted of brake Brake system Paring Spring applied, electrically air released parking brake mounted of brake Steering Front & Sof / 95 R25 183E ROAD Extend trans are steering cock system) Tire size Front Sof / 95 R25 183E ROAD Emergency steering device, Service brake lock Steering (12V-120Ah) ×2 Safety devices Emergency steering device, Rear wheed steering lock system (automatic), Brake fuid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspe	Model												
Max. power 200kW at 2,600min ¹ Max. torque 785N-m at 1,400min ¹ Diesel Fuel recommended by KATO must be used Equipment and structure Drive system 4 × 2 / 4 × 4 Torque converter 1 stage (with lock up clutch) Transmission Remote mounted 1ul automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Air-over hydraulic disk brake on 4 wheels brake Service Air-over hydraulic locking device with shock absorbe Brake system Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Parking Spring applied, electrically air released parking brake mounted of front and rear independent circuit) Parking Spring applied, electrically air released parking brake mounted of front axle Steering Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Emergency steering lock system Fuel tank capacity 300 L Emergency steering lock system (automatic), Brake fluid leak warning device, Rear wheel steering lock (& control switch), Engine overspeed alarm, Radiator colant level warning device, Low air warning device Safety devices E	Туре												
Max. torque 785N·m at 1,400min ⁻¹ Diesel Fuel recommended by KATO must be used Equipment and structure Drive system 4 ×2 / 4 × 4 Engine mounted 3 elements 1 stage (with lock up clutch) Transmission Remote mounted 1 all automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Suspension Front & Tager – leaf spring, Hydraulic locking device with shock absorbe brake front and erar independent circuit) Parking Spring applied, electrically air released parking brake mounted of brake front axle Auxiliary Exhaust brake, Service brake lock Steering Front & Funt & Full hydraulic power steering, Completely independent front and rear steering Completely independent	Piston displace	ment											
Diesel Fuel recommended by KATO must be used ● Equipment and structure Drive system 4 ×2 / 4 × 4 Torque converter Engine mounted 3 elements 1 stage (with lock up clutch) Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front 7 Brake system Front 8 Brake system Front 8 Parking Spring applied, electrically air released parking brake mounted of front axle Brake system Parking Steering Exhaust brake, Service brake lock Parking Spring applied, electrically air released parking brake mounted of front axle Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Low air warning device Standard equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions	Max. power		200kW at 2,600min ⁻¹										
Equipment and structure Drive system 4 × 2 / 4 × 4 Torque converter Engine mounted 3 elements 1 stage (with lock up clutch) Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Service Air-over hydraulic disk brake on 4 wheels brake Brake system Parking Drake Spring applied, electrically air released parking brake mounted c front ave Brake system Parking Drake Spring applied, electrically air released parking brake mounted c front ave Steering Front 505 / 95 R25 183E ROAD Extensing Tire size Front 505 / 95 R25 183E ROAD Extensing (UV-120Ah) × 2 Steering Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Overall leigth 13,030m Overall leigth	Max. torque		785N·m at 1,400min ⁻¹										
Drive system 4 × 2 / 4 × 4 Torque converter Engine mounted 3 elements 1 stage (with lock up clutch) Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Rear Planetary, drive/steer type Suspension Front & Rear Preservice Air-over hydraulic locking device with shock absorbe brake Brake system Front & Rear Parking brake Air-over hydraulic lock brake on 4 wheels brake Parking brake Spring applied, electrically air released parking brake mounted of front axle Auxiliary brake Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Steering Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air fliter service warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system	Diesel Fuel rec	ommended	by KATO must be used										
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Indique converter 1 stage (with lock up clutch) Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front & Planetary, drive/steer type Suspension Front & Rear Panetary, drive/steer type Panetary, drive/steer type Suspension Front & Rear Parker Air-over hydraulic lisk brake on 4 wheels brake Spring applied, electrically air released parking brake mounted of front axle Parking Spring applied, electrically air released parking brake mounted of front axle Auxiliary Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Eateries Safety devices Emergency steering lock system (automatic), Brake fuel leak warning device, Rear wheel steering lock system (automatic), Brake fuel leak warning device, Arifiter service warning device, Arifiter service warning device, Case wheel steering lock system Safety devices Emergency steering lock system (automatic), Brake fuel leak warning device, Case wheel seering lock system Optional equipment Hydraulic oil cooler,	Drive system												
Transmission Remote mounted full automatic Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Axles Front Planetary, drive/steer type Suspension Front & Rear Planetary, drive/steer type Brake system Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe brake Brake system Service Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit) Parking brake Full hydraulic power steering, Completely independent front and rear steering (with automatic rear wheel steering lock system) Steering Front 505 / 95 R25 183E ROAD Tre size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries Stafety devices Emergency steering device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warming device, Air filter service warming device, Service brake lock, Suspension	Torque convert	er											
Number of speeds 4 forward & 1 reverse speed (with Hi – Low selector) Axles Front Planetary, drive/steer type Axles Front & Rear Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe brake Brake system Spring applied, electrically air released parking brake mounted o front axle Parking Spring applied, electrically air released parking brake mounted o front axle Auxiliary brake Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Rear 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Low air warning device. Air filter service warning device, Low air warning device. Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions 3.600mm Overall leigth 3.595mm	Transmission												
Axles Front Planetary, drive/steer type Suspension Front & Rear Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Brake system Service Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit) Parking brake Spring applied, electrically air released parking brake mounted c front axle Auxiliary brake Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Hydraulic oil cooler, Centralized lubricating system Overall length 13,030mm Overall length 13,030mm Overall length 3,890mm Overall length 2,270mm Trea		eds											
Axles Rear Planetary, drive/steer type Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe Suspension Service Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit) Brake system Parking brake Spring applied, electrically air released parking brake mounted o front axle Brake system Parking brake Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length Overall length 13.030mm Overall length 3.800mm Treads Front 2.270mm <t< td=""><td></td><td></td><td></td></t<>													
Suspension Front & Rear Taper – leaf spring, Hydraulic locking device with shock absorbe brake Brake system Service brake Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit) Parking brake Spring applied, electrically air released parking brake mounted of front axle Auxilary brake Exhaust brake, Service brake lock Steering Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front Rear 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Evrice brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.525-32PR Tire GENERAL Dimensions Jag00mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front 2,270mm	Axles	Rear											
brake (front and rear independent circuit) Brake system Parking brake Spring applied, electrically air released parking brake mounted of front axle Auxiliary brake Exhaust brake, Service brake lock Steering Front 505 / 95 R25 183E ROAD Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Hydraulic oil cooler, Centralized lubricating system Optional lequipment 13,030mm Overall length 13,030mm Overall length 3,595mm Wheel base 3,800mm Passenger capacity One person Gross weidet Front Rear approx. 13,970kg Rear approx. 16 F70kg	Suspension	Front &	Taper – leaf spring, Hydraulic locking device with shock absorber										
Brake system brake front axle front axle Auxillary brake Exhaust brake, Service brake lock Steering Eull hydraulic power steering, Completely independent front and rear steering (with automatic rear wheel steering lock system) Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Noverall length Overall length 13.030mm Overall width 2,980mm Overall width 2,270mm Pasenger capacity One person Gross weight approx. 33,970kg Gross weight approx. 14,670kg													
brake Exhaust brake, service brake lock Steering Full hydraulic power steering, Completely independent front and rear steering (with automatic rear wheel steering lock system) Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Rear view camera, Right side view camera, Yellow rev. light, 2.5-25-32PR Tire Overall length 13,030mm Overall length 3,595mm Overall height 3,595mm Wheel base 3,800mm Treads Front 2,270mm Passenger capacity One person Gross weight approx. 33,970kg Weight approx. 14,670kg	Brake system		Spring applied, electrically air released parking brake mounted or front axle										
Steering Completely independent front and rear steering (with automatic rear wheel steering lock system) Tire size Front 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear Wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Normal Overall length 13.030mm Overall width 2,980mm Overall width 2,270mm Treads Front Front 2,270mm Passenger capacity One person Gross weight approx. 33,970kg Rear approx. 16,670kg			Exhaust brake, Service brake lock										
Image: Solution of the second secon	Steering												
Thre size Rear 505 / 95 R25 183E ROAD Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device. Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Noverall length Overall length 13,030mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross weight approx. 33,970kg Rear approx. 16,670kg	eteening												
Rear Kear Fuel tank capacity 300 L Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire IGENERAL Dimensions Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire Urerall length 13,030mm Overall length 3,595mm Verall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross weight approx. 33,970kg Rear approx. 17,400kg Rear approx. 16,670kg	Tiro sizo	Front											
Batteries (12V-120Ah) × 2 Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length Overall length 13,030mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person approx. 33,970kg Gross vehicle Front Rear approx. 17,400kg Rear approx. 16,670kg			505 / 95 R25 183E ROAD										
Safety devices Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length		city											
Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device, Low air warning device ●Standard equipment Hydraulic oil cooler, Centralized lubricating system ●Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire ■GENERAL Dimensions Normality Overall length 13,030mm Overall length 3,595mm Wheel base 3,800mm Treads Front Q:270mm Rear Passenger capacity One person Gross wehicle Gross weight Brox. 17,400kg approx. 16,670kg			(12V-120Ah) ×2										
Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device, Low air warning device Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire IGENERAL Dimensions Norm Overall length 13,030mm Overall length 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross wehicle Gross weight Agrox. 16,670kg approx. 17,400kg	Safety de	vices											
Standard equipment Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length			Rear wheel steering lock system (automatic), Brake fluid leak warning device, Service brake lock, Suspension lock (& control switch), Engine overspeed alarm, Radiator coolant level warning device,										
Hydraulic oil cooler, Centralized lubricating system Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length 13,030mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front Passenger capacity One person Gross vehicle Gross weight Bront. 17,400kg Rear approx. 16,570kg		equinme	· · · · · · · · · · · · · · · · · · ·										
Optional equipment Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length		cquipine											
Rear view camera, Right side view camera, Yellow rev. light, 23.5-25-32PR Tire GENERAL Dimensions Overall length 13,030mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross vehicle Gross weight Rear approx. 13,970kg Rear approx. 17,400kg Rear approx. 16,670kg		quipmon											
23.5-25-32PR Tire IGENERAL Dimensions Overall length 13,030mm Overall length 2,980mm Overall height 3,595mm Overall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross weight approx. 33,970kg Rear approx. 17,400kg Rear approx. 16,570kg		quipinen											
Overall length 13,030mm Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front Rear 2,270mm Passenger capacity One person Gross vehicle Gross weight Rear approx. 13,970kg Rear approx. 17,400kg Rear approx. 16,670kg													
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Overall width 2,980mm Overall height 3,595mm Wheel base 3,800mm Treads Front 2,270mm Passenger capacity One person Gross vehicle Gross weight approx. 33,970kg Rear approx. 17,400kg approx. 16,570kg													
Overall height 3,595mm Wheel base 3,800mm Treads Front 2,270mm Rear 2,270mm Passenger capacity One person Gross vehicle Gross weight approx. 33,970kg Rear 2,970x. 17,400kg approx. 16,570kg													
Wheel base 3,800mm Treads Front 2,270mm Passenger capacity One person Gross vehicle Front weight approx. 33,970kg Rear approx. 17,400kg Rear approx. 16,570kg													
Front 2,270mm Rear 2,270mm Passenger capacity One person Gross vehicle Gross weight Pront. 3,970kg Rear approx. 17,400kg Rear approx. 16,570kg													
Rear 2,270mm Passenger capacity One person Gross vehicle weight approx. 33,970kg Front weight approx. 17,400kg Rear approx. 16,570kg	Overall height												
Gross vehicle Gross vehicle Weight Gross vehicle Gross vehicle Rear Composed approx. 33,970kg Composed approx. 17,400kg Composed approx. 16,570kg	Overall height Wheel base	Front	2,27011111										
Gross vehicle weight Rear approx. 17,400kg	Overall height Wheel base												
Gross vehicle Front weight approx. 17,400kg	Overall height Wheel base Treads	Rear	2,270mm										
Rear approx 16 570kg	Overall height Wheel base Treads	Rear acity Gross	2,270mm One person										
weight	Overall height Wheel base Treads Passenger cap Gross vehicle	Rear acity Gross weight Front	2,270mm One person approx. 33,970kg										

■RATED LIFTING CAPACITY -

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

	-		(7.0m	ı)			(6.5m)				(5.0m)						
Working			L ully extende		Outrigg		L iediately ex	tended	Outrigg	ers interm	ediately ex	tended	Outri	Working			
radius	(7.0m) - 360° full range (6.5m) - over side								,	over side			, , ,	over side		radius	
(m)	10.7m Boom	18.8m Boom	26.9m Boom	35.0m Boom	10.7m Boom	18.8m Boom	26.9m Boom	35.0m Boom	10.7m Boom	18.8m Boom	26.9m Boom	35.0m Boom	10.7m Boom	18.8m Boom	26.9m Boom	35.0m Boom	(m)
2.5	51.00*				51.00*				51.00*				28.40				2.5
3.0	49.10*	22.00			49.10*	22.00			49.10*	22.00			19.80				3.0
3.5	45.50*	22.00			45.50*	22.00			45.50*	22.00			14.90	15.50			3.5
4.0	42.00*	22.00	19.00		42.00*	22.00	19.00		41.25*	22.00	19.00		11.75	12.70	10.20		4.0
4.5	37.10*	22.00	19.00		37.10*	22.00	19.00		30.50	22.00	19.00		9.55	10.40	8.90		4.5
5.0	32.40	22.00	19.00	12.00	32.40	22.00	19.00	12.00	23.95	22.00	19.00	12.00	7.90	8.75	7.85	6.90	5.0
5.5	28.60	22.00	18.65	12.00	28.60	22.00	18.65	12.00	19.55	20.65	18.65	12.00	6.70	7.45	6.95	6.15	5.5
6.0	25.60	22.00	18.35	12.00	25.60	22.00	18.35	12.00	16.40	17.40	17.15	12.00	5.70	6.40	6.20	5.50	6.0
6.5	23.10	22.00	17.35	12.00	22.55	22.00	17.35	12.00	14.00	14.95	15.25	12.00	4.90	5.55	5.50	4.95	6.5
7.0	21.00	22.00	16.40	12.00	19.20	20.25	16.40	12.00	12.15	13.00	13.30	12.00	4.25	4.90	4.95	4.45	7.0
7.5	19.30	20.25	15.60	12.00	16.65	17.60	15.60	12.00	10.65	11.45	11.75	11.50	3.70	4.30	4.45	4.00	7.5
8.0	16.95	17.85	14.80	12.00	14.65	15.50	14.80	12.00	9.45	10.20	10.50	10.50	3.20	3.80	4.00	3.65	8.0
9.0		14.25	13.50	11.10		12.40	12.70	11.10		8.25	8.55	8.60		3.00	3.20	2.95	9.0
10.0		11.75	12.10	10.10		10.20	10.50	10.10		6.85	7.10	7.15		2.40	2.60	2.40	10.0
11.0		9.90	10.20	9.30		8.60	8.85	8.90		5.75	6.00	6.05		1.85	2.10	1.95	11.0
12.0		8.45	8.75	8.50		7.30	7.55	7.65		4.90	5.10	5.20		1.40	1.65	1.60	12.0
13.0		7.30	7.60	7.60		6.30	6.55	6.65		4.20	4.40	4.45		1.05	1.25	1.25	13.0
14.0		6.40	6.65	6.75		5.50	5.75	5.80		3.60	3.80	3.90		0.75	0.95		14.0
15.0		5.65	5.90	6.00		4.85	5.05	5.10		3.10	3.35	3.40					15.0
16.0		5.00	5.25	5.35		4.30	4.45	4.55		2.70	2.90	2.95					16.0
17.0			4.65	4.75			4.00	4.05			2.50	2.55					17.0
18.0			4.20	4.30			3.55	3.60			2.15	2.25					18.0
19.0			3.75	3.85			3.20	3.25			1.85	1.95					19.0
20.0			3.35	3.45			2.85	2.90			1.60	1.70					20.0
22.0			2.70	2.80			2.25	2.30			1.20	1.25					22.0
24.0			2.20	2.25			1.80	1.85			0.85	0.90					24.0
26.0				1.80				1.45									26.0
28.0				1.45				1.15									28.0
30.0				1.15				0.85									30.0
32.0				0.90				0.65									32.0
Critical boom angle	_	—	-	_	—	—	_	_	_	_	_	40°	_	30°	52°	65°	Critical boor angle
Standard hook	For 51 ton*/ For 34 ton						For 34 ton		For 51 ton*/ For 34 ton	For 34 ton				Standard hook			
Hook mass	400kg*/ 300kg					300kg		400kg*/ 300kg	300kg			300kg				Hook mass	
Parts of line	11*/7	6	4	4	11*/7	6	4	4	11*/7	6	4	4	7	6	4	4	Parts of line

10.7m — 35.0m Boom

(Unit: Metric ton)

When outriggers are not used

Working			Stationary	on rubber					Working				
radius	10.7m	Boom	18.8m	Boom	26.9m	Boom	10.7m	Boom	18.8m	Boom	26.9m	Boom	radius
(m)	Over front	360° full range	Over front	360° full range	Over front	360° full range	(m)						
3.0	19.00	11.00					14.90	8.90					3.0
3.5	17.90	8.40					13.10	7.40					3.5
4.0	15.95	6.65	15.85	7.20			11.65	5.85	12.10	6.40			4.0
4.5	14.35	5.35	14.30	5.90			10.40	4.75	10.85	5.25			4.5
5.0	12.95	4.45	13.00	4.95			9.35	3.90	9.80	4.35			5.0
5.5	11.80	3.70	11.85	4.20			8.40	3.25	8.90	3.70			5.5
6.0	10.75	3.10	10.85	3.60			7.60	2.75	8.10	3.15			6.0
6.5	9.70	2.60	10.00	3.10	7.45	3.25	6.90	2.30	7.40	2.75	7.15	2.85	6.5
7.0	8.50	2.20	9.15	2.70	6.90	2.80	6.30	1.95	6.80	2.35	6.55	2.50	7.0
8.0	6.65	1.60	7.30	2.05	5.95	2.15	5.10	1.40	5.60	1.80	5.60	1.90	8.0
9.0			5.95	1.55	5.20	1.65			4.55	1.35	4.70	1.45	9.0
10.0			4.90	1.15	4.55	1.30			3.80	1.00	3.90	1.15	10.0
11.0			4.15	0.88	4.05	1.00			3.15	0.78	3.30	0.88	11.0
12.0			3.50		3.60	0.75			2.70		2.80	0.66	12.0
13.0			2.95		3.10				2.30		2.40		13.0
14.0			2.55		2.70				1.95		2.05		14.0
15.0			2.15		2.30				1.65		1.70		15.0
16.0			1.80		1.95				1.40		1.35		16.0
17.0					1.65						1.10		17.0
18.0					1.40						0.88		18.0
19.0					1.15						0.70		19.0
20.0					0.98						0.60		20.0
22.0					0.63								22.0
Critical boom angle	—	_	—	47°	28°	59°	_	_	_	47°	35°	59°	Critical boom angle
Standard hook			For 3	34 ton					Standard hook				
Hook mass			30	0kg					Hook mass				
Parts of line				4						4			Parts of line

(Unit: Metric ton)

35.0m Boom+8.8m Jib

				7.0m)						(6.	5m)		(5.0m)								
Outrig	ggers full	ly exten	ded (7.0r	n) - 360	° full rang	je	Outrigg	ers interr	nediatel	y extend	ed (6.5r	n) - over	Outriggers intermediately extended (5.0m) - over side								
Boom	Offse	et 5°	Offse	et 25°	Offse	et 45°	Boom	Offs	et 5°	Offse	et 25°	Offse	et 45°	Boom	Offs	et 5°	Offse	et 25°	Offse	et 45°	
angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	
82	6.5	5.00	9.6	4.00	11.7	2.80	82	6.5	5.00	9.6	4.00	11.7	2.80	82	6.5	5.00	9.6	4.00	11.7	2.80	
80	8.4	5.00	11.3	4.00	13.2	2.80	80	8.4 5.00 11.3 4.00 13.2 2.80 80 8.4 5.00 11.3					11.3	4.00	13.2	2.80					
78	10.2	5.00	12.9	4.00	14.7	2.80	78	10.2	5.00	12.9	4.00	14.7	2.80	78	10.2	5.00	12.9	4.00	14.7	2.80	
75	12.8	5.00	15.1	3.70	16.9	2.80	75	12.8	5.00	15.1	3.70	16.9	2.80	75	12.5	4.85	85 15.1 3.70 16.9 2.80				
73	14.3	4.60	16.6	3.45	18.2	2.80	73	14.3	4.60	16.6	3.45	18.2	2.80	73	13.9	13.9 3.95 16.6 3.10 18.2				2.80	
70	16.4	4.15	18.5	3.20	20.3	2.75	70	16.4	4.15	18.5	3.20	20.3	2.75	70	16.0	2.95	18.4	18.4 2.40 19.9			
68	17.8	3.85	19.8	3.05	21.5	2.65	68	17.6	3.75	19.8	3.05	21.5	2.65	68	17.3	2.40	19.6	21.1	1.85		
65	19.9	3.35	21.7	2.85	23.3	2.50	65	19.7	2.90	21.7	2.60	23.2	2.35	65	19.4	1.75	21.5	1.50	22.9	1.40	
63	21.2	2.90	23.0	2.60	24.4	2.40	63	21.0	2.50	23.0	2.20	24.3	2.05	63	20.7	1.40	22.7	22.7 1.25 24.0			
60	23.0	2.35	24.9	2.10	26.0	2.00	60	22.8	2.00	24.9	1.75	25.9	1.65	60	22.5	1.02	24.5	24.5 0.90 25.6 0.			
58	24.2	2.00	26.1	1.80	27.1	1.75	58	24.0	1.70	26.1	1.50	27.0	1.45	58	23.7	0.79	79 25.6 0.71 26.7			0.66	
55	25.9	1.65	27.7	1.50	28.6	1.40	55	25.8	1.30	27.7	1.20	28.5	1.15	56	24.8	0.61	26.7	0.53	27.7	0.50	
53	27.0	1.40	28.7	1.30	29.5	1.25	53	26.9	1.10	28.7	1.00	29.4	1.00	Critical boom angle	55	5°	55	5°	55	5°	
50	28.7	1.10	30.2	1.05	30.9	1.00	50	28.6	0.86	30.2	0.79	30.8	0.78	Standard hook			For 5.	.0 ton			
48	29.7	0.96	31.1	0.91	31.8	0.87	48	29.6	0.72	31.1	0.66	31.7	0.65	Hook mass			120)kg			
45	31.2	0.74	32.5	0.71	33.0	0.69	46	30.6	0.58	32.0	0.54	32.5	0.53	Parts of line	1						
43	32.2	0.61	33.4	0.58			Critical boom angle	4:	5°	45	5°	45	5°								
41	33.1	0.50	34.3	0.47			Standard hook	For 5.0 ton													
Critical boom angle	40	7°	40)°	44	¢°	Hook mass	lass 120kg													
Standard hook			For 5	.0 ton			Parts of line]												
Hook mass	ass 120kg																				
Parts of line			1]														

35.0m Boom+15.2m Jib

].		7.0m)						(6.	5m)		(5.0m)							
Outri	ggers ful	ly exten	ded (7.0r	n) - 360	° full rang	je	Outrigg	ers interr	nediatel	y extend	ed (6.5r	n) - over	Outriggers intermediately extended (5.0m) - over side							
Boom	Offs	et 5°	Offse	et 25°	Offse	et 45°	Boom	Offs	et 5°	Offse	et 25°	Offse	et 45°	Boom	Offs	et 5°	Offse	t 25°	Offset 45°	
angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	angle (°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	8.4	3.00	13.5	2.00	17.0	1.40	82	8.4	3.00	13.5	2.00	17.0	1.40	82	8.4	3.00	13.5	2.00	17.0	1.40
80	10.4	3.00	15.2	2.00	18.6	1.40	80	10.4	3.00	15.2	2.00	18.6	1.40	80	10.4	3.00	15.2	2.00	18.6	1.40
78	12.4	3.00	16.9	1.95	20.2	1.40	78	12.4	3.00	16.9	1.95	20.2	1.40	78	12.4	3.00	16.9	1.95	20.2	1.40
75	15.2	2.90	19.5	1.80	22.5	1.40	75	15.2	2.90	19.5	1.80	22.5	1.40	75	15.2	2.90	90 19.5 1.80 22.5 1			
73	17.0	2.70	21.2	1.75	23.9	1.40	73	17.0	2.70	21.2	1.75	23.9	1.40	73	17.0	2.70	21.2	23.9	1.40	
70	19.6	2.45	23.5	1.65	26.0	1.40	70	19.6	2.45	23.5	1.65	26.0	1.40	70	19.2	2.26	23.5	1.65	26.0	1.40
68	21.3	2.30	25.1	1.60	27.4	1.40	68	21.3	2.30	25.1	1.60	27.4	1.35	68	20.6	1.85	24.8	24.8 1.44		1.30
65	23.7	2.15	27.3	1.55	29.4	1.35	65	23.7	2.15	27.3	1.55	29.4	1.35	65	23.0	1.35	26.9	1.05	29.1	0.99
63	25.2	2.05	28.7	1.50	30.6	1.35	63	25.1	1.90	28.7	1.50	30.6	1.35	62	25.2	0.96	28.8	28.8 0.79 30.9		
60	27.4	1.75	30.8	1.45	32.4	1.35	60	27.3	1.45	30.7	1.25	32.3	1.20	59	27.3	0.66	30.7	0.55	32.5	0.51
58	28.7	1.55	32.0	1.30	33.5	1.25	58	28.6	1.25	31.9	1.10	33.4	1.05	Critical boom angle	58	3°	58	3°	58	3°
55	30.7	1.20	33.7	1.05	35.0	1.05	55	30.5	1.00	33.6	0.88	34.9	0.86	Standard hook			For 5.	0 ton		
53	32.0	1.05	34.8	0.95	35.9	0.94	52	32.4	0.77	35.2	0.68	36.3	0.67	Hook mass			120	lkg		
50	33.8	0.83	36.4	0.76	37.3	0.76	49	34.2	0.57	36.8	0.51	37.7	0.51	Parts of line	1					
47	35.5	0.64	37.9	0.59	38.6	0.59	Critical boom angle	gle 48° 48° 48°												
44	37.1	0.48	39.3	0.45			Standard hook For 5.0 ton													
Critical boom angle	ngle 43° 43° 46°						Hook mass													
Standard hook	ook For 5.0 ton						Parts of line													
Hook mass	ass 120kg																			
Parts of line			1]													

Notes for the lifting capacity chart

When the outriggers are used

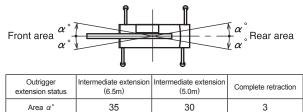
- 1. The lifting capacity charts are based on the jib stowed on the boom side.
- 2. The lifting capacity chart indicates the maximum load which can be lifted by this crane provided it is level and standing on firm level ground. The values in the chart include the mass of the main hook and slings for boom operation, and auxiliary hook and slings for jib operation.

[51 ton hook (mass: 400kg), 34 ton hook (mass: 300kg),

5 ton hook (mass: 120kg)]

Within the chart the figures in the area bordered with a thick line are based on structural limitations while other figures are determined by stability limitations.

- The working radii are the actual values allowing for boom and jib deflection. Therefore you must always operate the crane on the basis of the working radius.
- 4. The jib working radius is based on the jib mounted on the end of the 35.0m boom. When operating at other boom lengths, use the boom angle alone as the criterion.
- 5. Do not operate the jib when the outriggers are completely retracted.
- 6. The lifting capacities for the over sides vary with the outriggers extension width. Therefore for each outriggers extension condition you should work according the lifting capacity chart. Use the lifting capacity chart of outriggers full extension for both front and rear areas lifting capacities.



7. The lifting capacity of the rooster sheave is the lifting capacity of the boom minus the mass of all attached hook, slings etc. to the boom, with an upper limit of 5,000kg.

[The hook for use with the rooster sheave is the 5 ton hook (mass: 120kg) with one part of line.]

- If the boom length, boom angle and/or working radius exceeds the rated value, use the lifting capacity for the rated value or for the next one, whichever gives the smaller lifting capacity.
- 9. If you are working with the boom while the jib is rigged, subtract 3.0 ton plus the mass of all attached hook, slings etc. to the boom from the each lifting capacity of the boom, with an upper limit of 18 ton.

Do not use the rooster sheave in this situation. And do not operate the boom while the jib is rigged, when the outriggers are completely retracted.

- 10. In whatever working conditions the corresponding boom critical angle is shown in the chart. The crane can tip over if the boom is lowered below the critical angle even if unloaded. Therefore, never lower the boom below these angles.
- 11. If you work with 11 parts of line on the hook (with * marked in the lifting capacity chart), use the rooster sheave.
- 12. The standard parts of line for each boom length are as indicated in the chart. If you work with a non-standard number of parts of line, do not exceed 45.1 kN (4.6 tf) per wire rope respectively.
- 13. High-speed winch operation should only be performed to allow descent of the hook alone. Avoid sudden lever operation.
- 14. 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.
- 15. Kato bears no liability whatsoever for damage, crane tipping or other accident caused by crane operations which differ from the directions contained in the instruction manual and the warning labels.

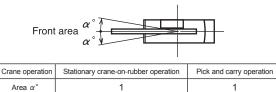
When the outriggers are not used

- 1. The lifting capacity charts are based on the jib stowed on the boom side.
- 2. The lifting capacity chart indicates the maximum load the crane can lift when its body is level on firm level ground with all tires inflated to the rated pressure and the suspension cylinder completely retracted. The values in the chart include the mass of the main hook and slings. Within the chart the figures in the area bordered with a thick line are based on structural limitations while other figures are determined by stability limitations. [Rated tire pressure: 505 / 95 R25: 800kPa (8.0kgf/cm²),

23.5-25: 475kPa (4.75kgf/cm2)]

If you operate the crane without the suspension cylinders completely retracted, take special care that the crane does not incline and tip over.

- 3. The working radii are the actual values allowing for boom deflection. Therefore you must always operate the crane on the basis of the working radius.
- 4. The lifting capacity differs between the front area capacity and the full range capacity. When slewing from the front to the side, take care that the crane could not be over loaded.

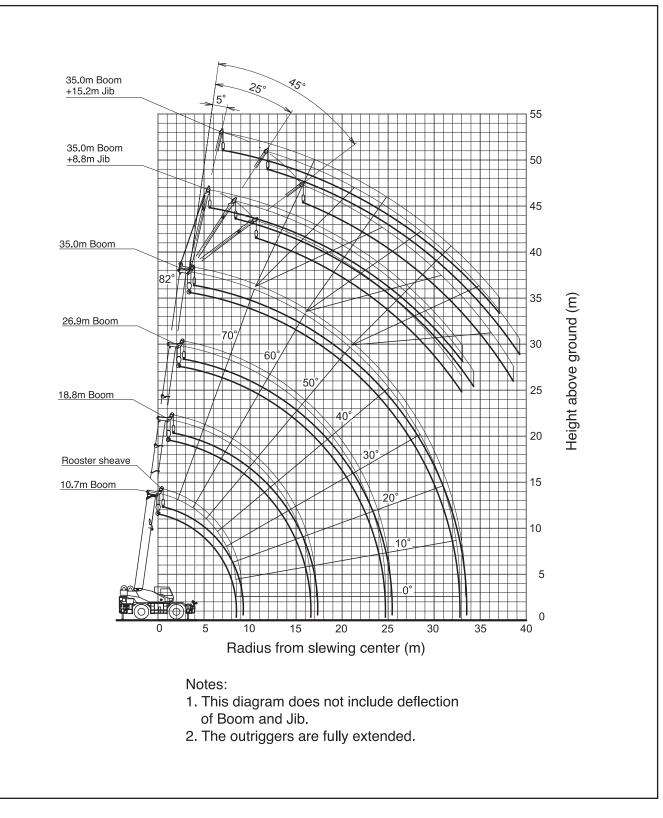


5. The lifting capacity of the rooster sheave is the lifting capacity of
the boom minus the mass of all attached hook, slings etc. to the
boom, with an upper limit of 5,000kg.

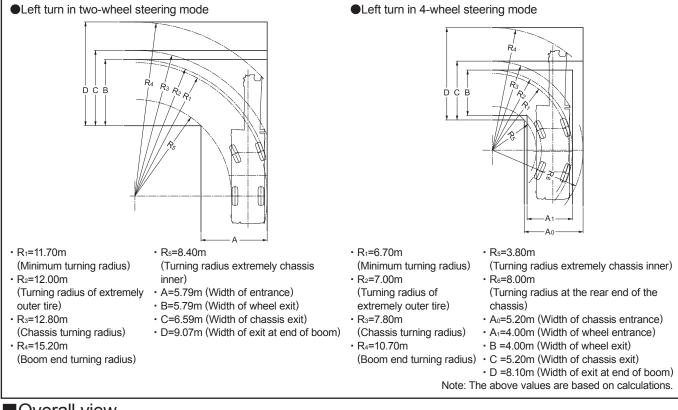
[The hook for use with the rooster sheave is the 5 ton hook (mass: 120kg) with one part of line.]

- 6. Do not work with the jib or with a boom length of more than 26.9m.
- 7. For stationary crane-on-rubber operation, the parking brake and service brake lock device must be engaged.
- 8. For pick and carry operation, the super-slow speed switch must be switched to "ON" and the shift lever set to speed 1.
- 9. For pick and carry operation, lower the load to just above the ground and keep your speed strictly below 2km/h to avoid swinging the load. Take particular care to avoid sharp turns, sudden starts and stops.
- 10. Never operate the crane during pick and carry operation. The slewing brake must be applied.
- 11. If the boom length, boom angle and/or working radius exceeds the rated value, use the lifting capacity for the rated value or for the next one, whichever gives the smaller lifting capacity.
- The standard parts of line for each boom length are as indicated in the chart. If you work with a non-standard number of parts of line, do not exceed 45.1 kN (4.6 tf) per wire rope respectively.
- 13. High-speed winch operation should only be performed to allow descent of the hook alone. Avoid sudden lever operation.
- 14. 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.
- 15. Kato bears no liability whatsoever for damage, crane tipping or other accident caused by crane operations which differ from the directions contained in the instruction manual and the warning labels.

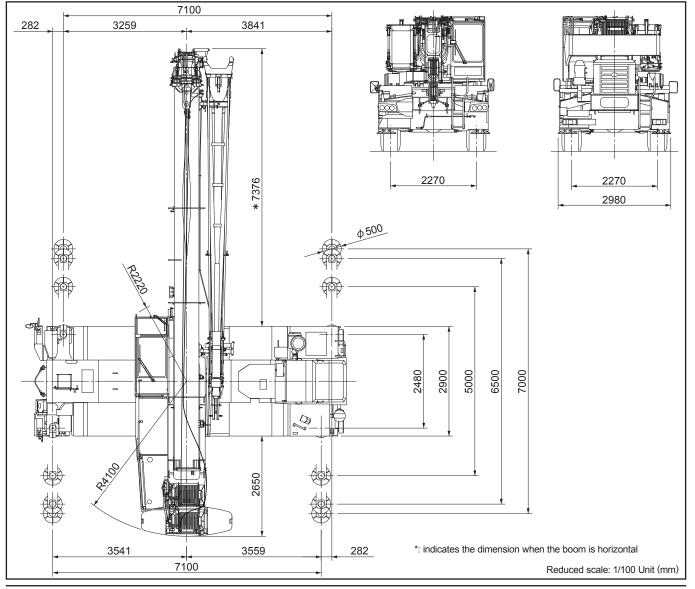
WORKING RANGE



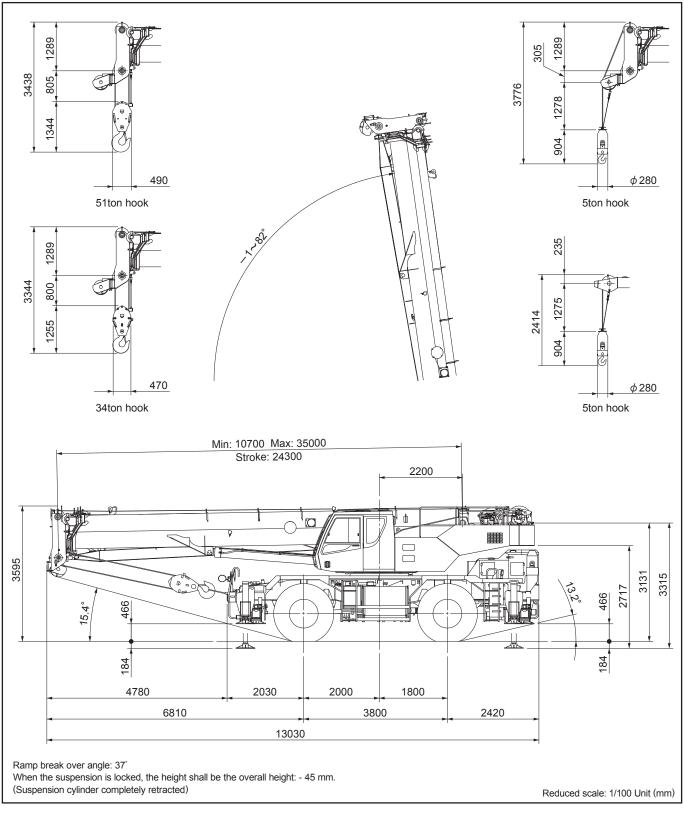
Minimum path width



Overall view







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

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ISO 9001 đ BUREAU VERITA Certification

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

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