



# [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 <sup>-1</sup> 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											
<ul> <li>Safety devi</li> </ul>	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 <sup>1</sup> 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 <sup>1</sup> Max, torque         785N-m at 1,400min <sup>1</sup> 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 <sup>-1</sup> Max.torque         785N-m at 1,400min <sup>-1</sup> 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 <sup>1</sup> Max, torque         785N-m at 1,400min <sup>1</sup> 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 <sup>-1</sup> 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 <sup>1</sup> Max. torque     785N-m at 1,400min <sup>1</sup> 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 <sup>-1</sup> 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 <sup>-1</sup>										
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 <sup>-1</sup>										
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										
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         Planetary, drive/steer type           Suspension         Front         Rear           Planetary, drive/steer type         Service           brake         Air-over hydraulic locking device with shock absorbe           brake         front axle           Auxiliary         Exhaust brake, Service brake on 4 wheels (front axle rear independent circuit)           Parking         Spring applied, electrically air released parking brake mounted c front axle           Auxiliary         Exhaust brake, Service brake lock           Steering         Front         505 / 95 R25 183E ROAD           Fuel tank capacity         300 L         Emergency steering device, Rear wheel steering lock system (automatic), Brake fluid leak warning 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, Nar fluit reservice warning device, Low air warning device           Standard equipment         Hydraulic oil cooler, Centralized lubricating system           Optional equipment	Equipmen	t and stru	ucture										
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													
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	GENER	AI Din	nensions										
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

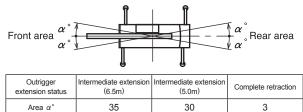
- 1. The lifting capacity charts are based on the jib stowed on the boom side.
- 2. The lifting capacity chart indicates the maximum load which can be lifted by this crane provided it is level and standing on firm level ground. The values in the chart include the mass of the main hook and slings for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

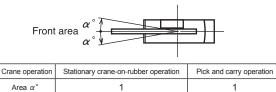
#### When the outriggers are not used

- 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/cm<sup>2</sup>),

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.

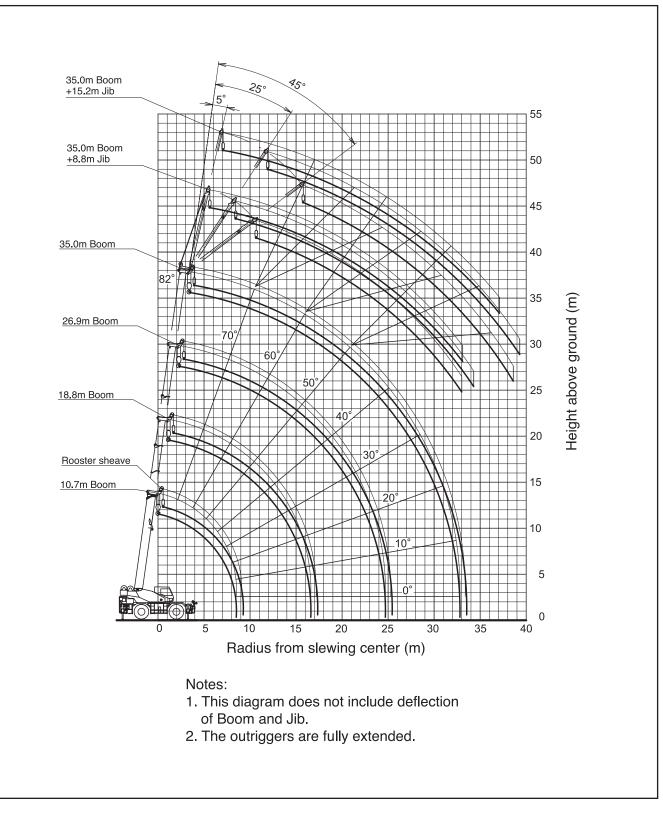


5. The lifting capacity of the rooster sheave is the lifting capacity of
the boom minus the mass of all attached hook, slings etc. to the
boom, with an upper limit of 5,000kg.

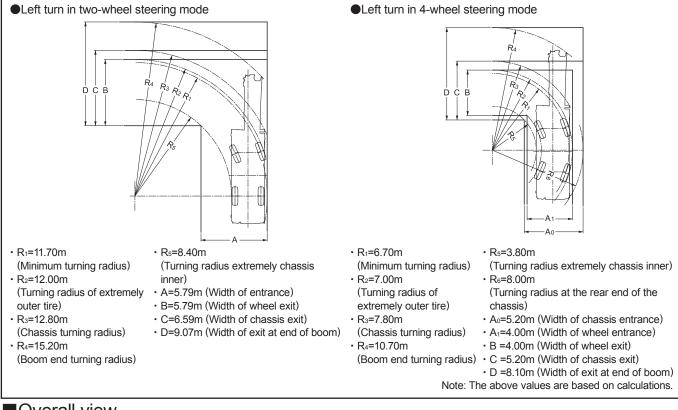
[The hook for use with the rooster sheave is the 5 ton hook (mass: 120kg) with one part of line.]

- 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.

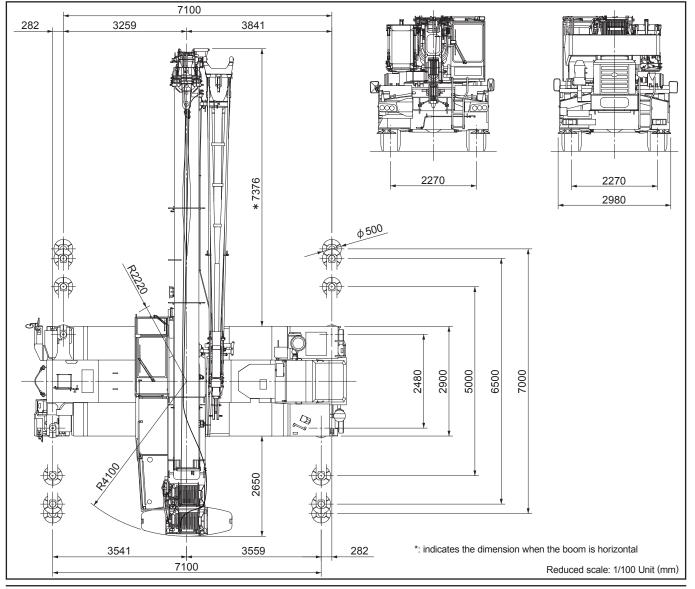
### WORKING RANGE



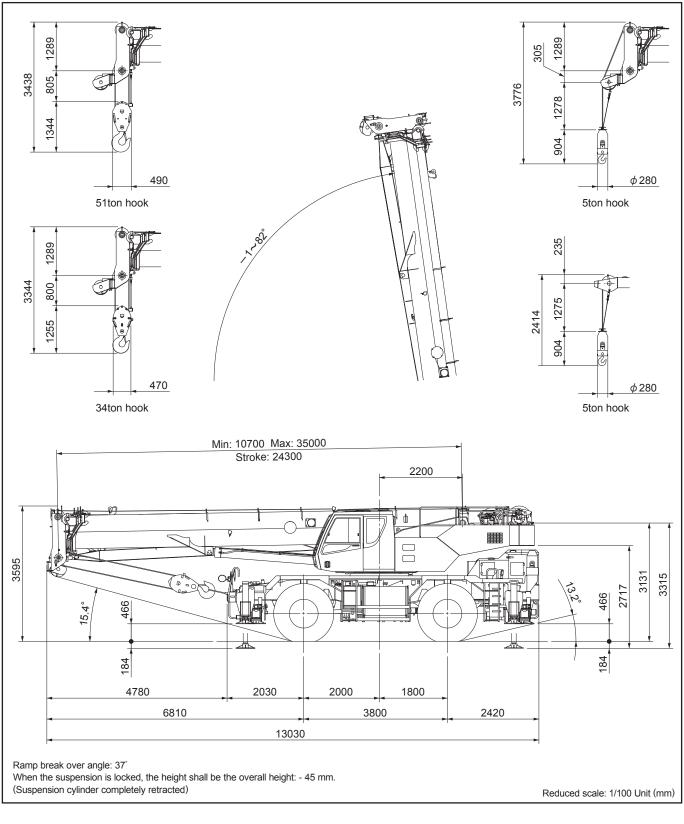
### Minimum path width



#### Overall view







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

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