

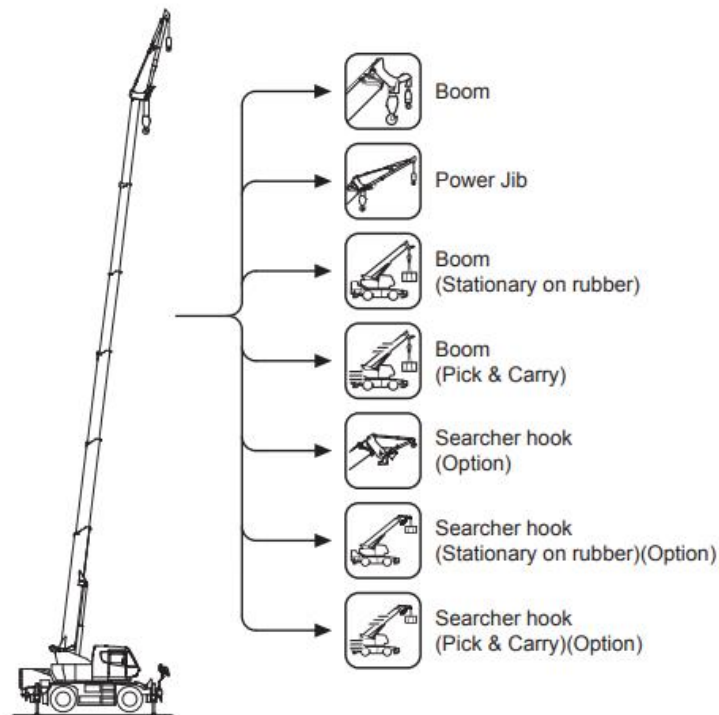
General Specifications

General Dimensions (L x W x H) 8,710 x 2,290 x 3,245mm	Gross Vehicle Weight 19,755kg
Maximum Lifting Capacity 20t x 2.5m	Boom length / sections 6.5 - 28m 6 sections
Searcher Hook length / offset angles 1.0m 2 positions (high / low) (option)	Jib length / sections / offset angles 4.0 - 5.8m 2 sections 7° - 60°
Outrigger width 1,930 - 5,400mm	

Related Documents

Sumber : <http://www.kato-works.co.jp/eng/products/cityrange/cr200rf.html>

Kato. 2018. KATO CITYRANGE SUPERBOOM CR-200Rf PREMIUM CITYRANGE. http://www.kato-works.co.jp/eng/products/pdf/crane/C04781_CR-200Rf.pdf , diakses tanggal 29 Juni 2018



【SPECIFICATION】	
■ CRANE	
Description City range crane with maximum lifting capacity 20 ton	
● Crane specification	
Maximum rated lifting capacity	6.5 m Boom 20,000kg × 2.5 m (Parts of line : 7)
	10.95 m Boom 12,500kg × 4.0 m (Parts of line : 6)
	15.4 m Boom 10,000kg × 5.0 m (Parts of line : 4)
	19.6 m Boom 7,500kg × 6.0 m (Parts of line : 4)
	23.8 m Boom 6,000kg × 6.0 m (Parts of line : 4)
	28.0 m Boom 5,000kg × 6.5 m (Parts of line : 4)
Jib length	4.0 m Jib 2,500kg × 75° (Parts of line : 1)
	5.5 m Jib 2,000kg × 75° (Parts of line : 1)
Rooster 3,200kg (Parts of line : 1)	
Searcher hook 5,000kg	
Boom length 6.5m — 28.0m	
Jib length 4.0m — 5.8m	
Searcher hook 1.0m	
Maximum rated lifting height 29.1m (Boom)	
34.8m (Jib)	
Hoisting line speed (winch up)	Main winch 115m / min. (at 5th layer)
	Auxiliary winch 104m / min. (at 3rd layer)
Hoisting hook speed (winch up)	Main winch (Parts of line: 7) : 16.4m / min. (at 5th layer)
	Auxiliary winch (Parts of line: 1) : 104.0m / min. (at 3rd layer)
High-speed lowering rope speed	Main winch 160m / min (at 3rd layer)
	Auxiliary winch 160m / min (at 3rd layer)
Boom derricking angle 9.5° — 83°	
Boom derricking time 35s / 0.5° — 83°	
Boom extending speed 6.5m — 28.0m / 65s	
Slewing speed 2.9min ⁻¹	
Tail slewing radius 2,390mm (Slide sheave)	
2,250mm (Rear cover)	
● Equipment and structure	
Round-shaped, 6-section hydraulically telescopic type	
(the 2nd and 3rd boom sections at the same time, the 4th, 5th and	
■ CARRIER	
● Carrier specification	
Maximum traveling speed 55km/h	
Grade ability 60% (computed at G.V.W. = 19,755 kg)	
Minimum turning radius	8.0m (2 wheel steer)
	4.7m (4 wheel steer)
● Engine	
Model Cummins QSB6.7 (EU Stage 4)	
Type 4 cycle, 6 cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling	
Piston displacement 6,690L	
Max. power 175KW at 2,300min ⁻¹	
Max. torque 888N·m at 1,500min ⁻¹	
Diesel Fuel recommended by KATO must be used	
● Equipment and structure	
Drive system Switches between 2 wheel drive (4×2) and 4 wheel drive (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	
Axes	Front Planetary, drive/steer type
	Rear Planetary, drive/steer type
Suspension	Front Taper-leaf spring, Hydraulic locking device with suspension cylinder
	Rear Taper-leaf spring, Hydraulic locking device with suspension cylinder
Brake system	Service Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit)
	Parking Spring applied, electrically air released parking brake mounted on front axle, internal expanding type
	Auxiliary Exhaust brake, Service brake lock
Steering	Full hydraulic power steering
	Completely independent front and rear steering (with automatic rear wheel steering lock system)
325 / 95 R24 162 / 160K	

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● Equipment and structure	
Round-shaped, 6-section hydraulically telescopic type (the 2nd and 3rd boom sections at the same time, the 4th, 5th and 6th boom sections at the same time)	
Jib type 2 sections (2nd section of draw-out type)	
Searcher hook type Hydraulic stepless tilting type (offset angles 7° — 60°)	
2 positions (high/low) selectable	
Boom extension/retraction equipment Two hydraulic cylinders and wire ropes used together	
Boom derricking/lowering equipment One hydraulic cylinder of direct acting type with pressure-compensated flow control valve	
Jib derricking/lowering equipment Hydraulic cylinder	
Winch system Two units of Single winch, Planetary gear reduction type (built-in negative brake) with Automatic brake, High/Low speed switching system and Hydraulic compensated flow control valve.	
Main & Auxiliary winches Equipped with Hydraulic motor drive and a planetary gear speed reducer (built-in negative brake), Free / Lock change-over type	
Slewing equipment Ball bearing type	
Slewing bearing Type Hydraulic H-beam type (with float and vertical cylinder in single unit)	
Outriggers	5,400mm (Fully extended)
	4,800mm (Intermediately extended)
	4,300mm (Intermediately extended)
	3,200mm (Intermediately extended)
	1,930mm (Completely retracted)
Wire rope for hoisting	Main winch Diameter: 14mm × Length: 155m
	Auxiliary winch Diameter: 14mm × Length: 76m
● Hydraulic equipment	
Oil pump 4 pumps, plunger and gear type	
Hydraulic motor	Hoisting motor Axial plunger type
	Slewing motor Axial plunger type
Control valve Double acting with integral check and relief valves (With Hydraulic compensated flow control valve)	
Cylinder Double acting type	
Oil reservoir capacity 240L	
Steering	
Full hydraulic power steering, Completely independent front and rear steering (with automatic rear wheel steering lock system)	
Tire size	Front 325 / 95 R24 162 / 160K
	Rear 325 / 95 R24 162 / 160K
Fuel tank capacity 250 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, Engine overspeed alarm, Electrically retractable side view mirrors, Left front view camera, Rear view camera, Clearance sonar system, Radiator coolant level warning device, Air filter service warning device, Low air warning device, Boom guard	
● Standard equipment	
Hydraulic oil cooler, LED head lamp	
● Optional equipment	
Wheel stopper, Way side lamp, Side marker lamp, Rear view camera (Wireless, mounted on carrier), Storage box, Electrically retractable side view mirrors with defroster, Aluminum outrigger plate and storage	
■ GENERAL Dimensions	
Overall length 8,710mm	
Overall width 2,290mm	
Overall height 3,245mm	
Wheel base 3,250mm	
Treads	Front 1,920mm
	Rear 1,920mm
Passenger capacity One person	
Gross vehicle weight	Gross weight approx. 19,755kg (without Optional equipments)
	Front weight approx. 9,910kg (without Optional equipments)
	Rear weight approx. 9,845kg (without Optional equipments)