

[SPECIFICATION]

■ CRANE Specification

Description	KATO FULLY HYDRAULIC ALL TERRAIN CRANE	
Model	KA-3000RX	
Maximum lifting capacity	300ton × 2.5m	
Boom length	14.4 m — 55.0m (5 section)	
SL jib length	10.85m — 35.0m (4 section)	
Heavy lift jib length	13m · 22m · 31m · 40m · 47m · 54m (6 section)	
Hoisting line speed (winch up)	Main winch	High-speed : 135m / min. (at 3rd layer) Low-speed : 80m / min. (at 3rd layer)
	Auxiliary winch	High-speed : 135m / min. (at 3rd layer) Low-speed : 80m / min. (at 3rd layer)
Hoisting hook speed (winch up)	Main winch	(Parts of line; 28) : 5.7m / min. (at 3rd layer)
	Auxiliary winch	(Parts of line; 1) : 135m / min. (at 3rd layer)
Boom derricking angle	-1.0° — 85°	
Boom derricking time	105s / -1.0° — 85°	
Boom extending speed	40.6m / 260s	
Slewing speed	High	1.4min ⁻¹
	Low	0.7min ⁻¹
Speed / Time	Subject to no load	

● Equipment and structure

Winch system	Driven by axial plunger type hoisting motor through planetary gear reduction. Controlled independently by 2-speed (high/low) selection type respective operating lever. Equipped with automatic brake.	
Main & Auxiliary winches		
Counterweight	105ton, 93ton, 81ton, 69ton, 51ton, 41ton, 31ton, 21ton, 11ton, Hydraulic removal system	
Outriggers	Type	Hydraulic H-beam type (2section) with side support
	Extension width	9,400mm (Fully extended)
		8,400mm (Intermediately extended)
		7,400mm (Intermediately extended)
		6,400mm (Intermediately extended)
5,400mm (Minimum extended)		
Wire rope for hoisting	Main winch	Diameter: 24mm × Length: 400m
	Auxiliary winch	Diameter: 24mm × Length: 400m

● Engine

Maker	Mercedes-Benz
Model	OM906LA (Stage 3A)
Type	4 cycle, 6 cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling
Piston displacement	6.37L
Max. power	205kW at 2200min ⁻¹
Max. torque	1100N·m at 1200min ⁻¹
Electric system	24V
Batteries	(12V-120AH) × 2
Fuel tank capacity	305L

● Hydraulic system

Oil pump	Double variable axial plunger pump and Swash plate type variable piston pump and Gear pump	
Hydraulic motor	Hoisting motor	Variable axial plunger type
	Slewing motor	Axial plunger type
Control valve	Double acting with integral check and relief valves	
Cylinder	Double acting type	
Oil reservoir capacity	2060L	

● Safety devices

	ACS (Automatic Crane System with voice alarm), Working range limit mode, Outrigger status detector, Boom derricking / telescoping holding valve, Overhoist prevention device, Winch holding valve, Automatic winch brake, Winch drum roller, Outrigger lock pins, Slewing lock, Slewing brake, Hydraulic safety valves, Side mirror, Winch drum turning indication device, Engine oil pressure warning device, Battery charge warning device, Coolant temperature warning device, Coolant level warning device, Fuel level warning device, Hydraulic oil return filter warning device, Hydraulic oil temperature warning device, ACS outside indicator, Stanchion on boom, Stanchion on counterweight, Slewing warning lamp, Outrigger reaction force indication device
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● Operator's cab

	All steel welded construction, 1 person, Rubber mounted, Tilttable (approx.15°), Air conditioner, Accessory socket (24V), USB socket (output 5V-2.4A × 2), Front windshield wiper & washer, Roof window wiper & washer, Access step light, AM/FM Radio, Floor mat, Foot lamp, Power Window (external closing switch), Sun visor, Fire extinguisher
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● Standard equipment

	Boom dismount device, Slewing upper structure dismount device, Hydraulic oil cooler, Working light (on table and cab), Working light for dismounting and setting, Searchlight, Winch view camera, PA system, Anemometer, Left side view camera, Pilot winch, Hook for 300 / 150 ton, Hook for 83 ton, Hook for 24 ton, Hook for 12 ton with sub weight
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● Optional equipment

	Tea table, Wire rope to dismount various things, Slewing warning buzzer, Yellow rev. light, Door visor, Air heater, Radio controller for dismounting and setting, Derrick cylinder stand, Roller stand, HL jib stand
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■ CARRIER Specification

Maker	KATO
Model	KA6360

● Carrier Specification (Only carrier)

Maximum traveling speed	75km/h
Grade ability (tan θ)	0.60 (computed at G.V.W. = 43,900kg)
Minimum turning radius	11.6m

● General dimensions (Only carrier)

Overall length	15,140mm	
Overall width	2,990mm	
Overall height	3,200mm	
Wheel base	3,200+1,650+1,730+1,820+1,650=10,050mm	
Treads	Front	2,500mm
	Rear	2,500mm
Gross vehicle weight	43,940kg	
Front axle	17,780kg (1 st and 2 nd Axles)	
Rear axle	26,160kg (3 rd , 4 th , 5 th and 6 th Axles)	

● General dimensions (Fully equipped)

Overall length	17,740mm
Overall width	2,990mm
Overall height	4,100mm

● Engine

Maker	Mercedes-Benz	
Model	OM502LA (EURO MOT 3B)	
Type	4 cycle, 8 cylinders, water cooled, direct Injection turbo-charged diesel engine with intercooling	
Piston displacement	15.927L	
Max. power	405kW at 1,800min ⁻¹	
Max. torque	2,600N·m at 1,080min ⁻¹	
Torque converter	Engine mounted 3 elements 1 stage (with lock up clutch)	
Transmission	Remote mounted full automatic 5 forward & 1 reverse speed	
Axles	All axles steered 1 st , 2 nd , 5 th and 6 th axles driven and have planetary gears reduction and differential lock Inter-axle differential lock on 5 th axle	
Suspension	Hydro-pneumatic suspension Hydraulic locking device with suspension cylinder	
Brake system	Service brake	2 circuit brake 12 wheels servo-air brake, all axles are equipped with disc brakes
	Parking brake	Spring applied, electrically air released parking brake (2 nd , 3 rd , 4 th , 5 th and 6 th Axles)
	Auxiliary brake	Engine brake (Compression brake), Exhaust brake, Hydraulic retarder
Steering	Semi-integral hydraulic power steering of front three axles and automatic steering of the 4 th , 5 th and 6 th axles	
Tire size	12 tires, 445 / 95 R25 177E ROAD	
Electric system	24V	
Batteries	(12V-150AH) × 2	
Fuel tank capacity	500L	
Driver's cab	All steel welded construction, 2 persons	

● Safety devices

	Emergency steering device, Engine over speed alarm, Three-point seat belt (Driver), Suspension lock, Electric adjustable side mirrors, Warning reflector, Engine management & warning system, Transmission management & warning system, Radiator coolant level warning device, Low air warning device, Brake light / parking light disconnection warning device, Rear view camera, Brake wear indicator
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● Standard equipment

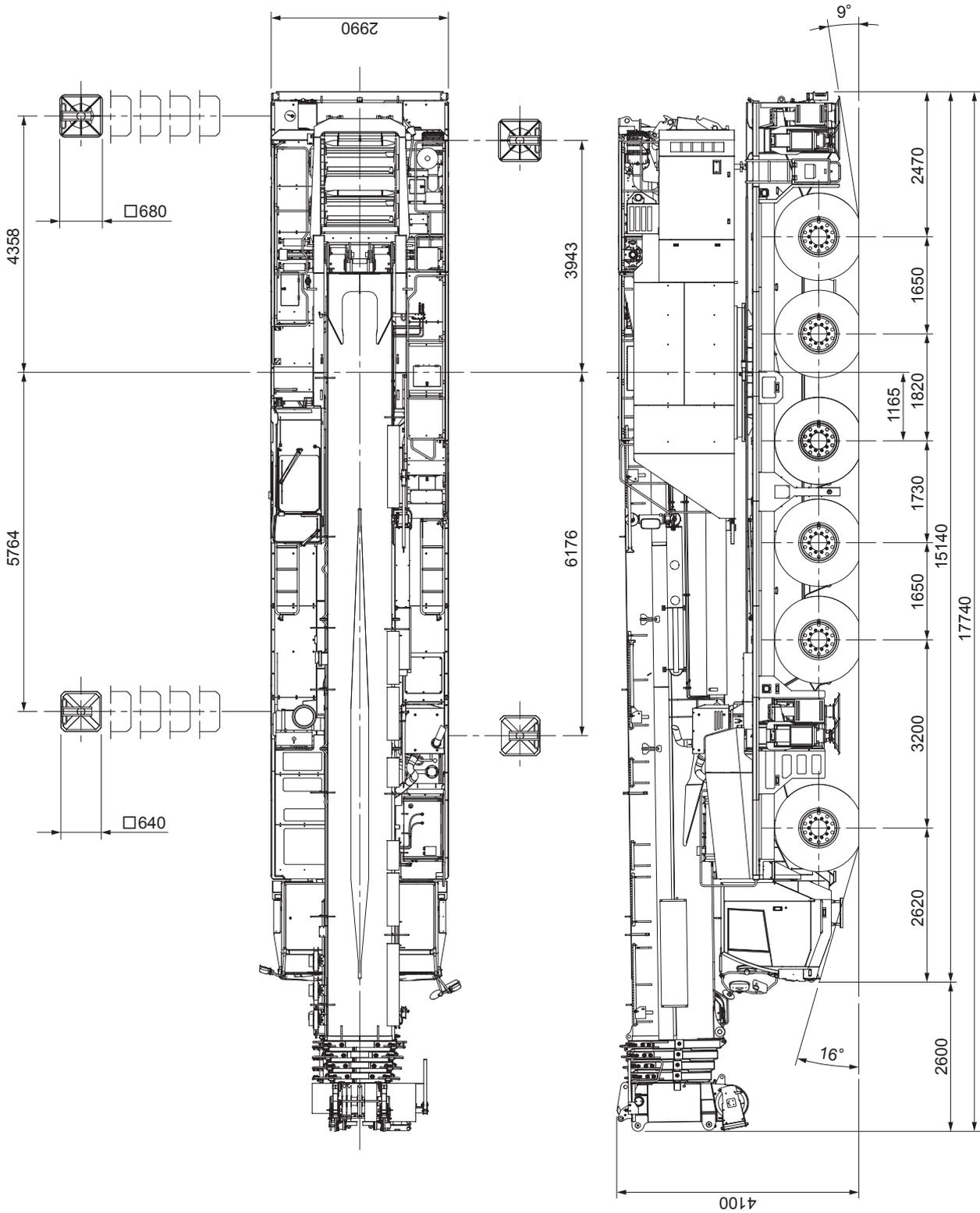
	Adjustable steering wheel, Air conditioner, Power Window, Adjustable suspension seat, Tachograph, Sun visor, Centralized lubricating system, Air dryer, AM/FM Radio, Towing hook (front and rear, eye type), Discharge head lamp, Radio controller for outrigger control
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● Optional equipments

	Air heater
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*Note: Destination areas where radio controllers can be used are limited by the Radio Act of each country, so please contact us if necessary.

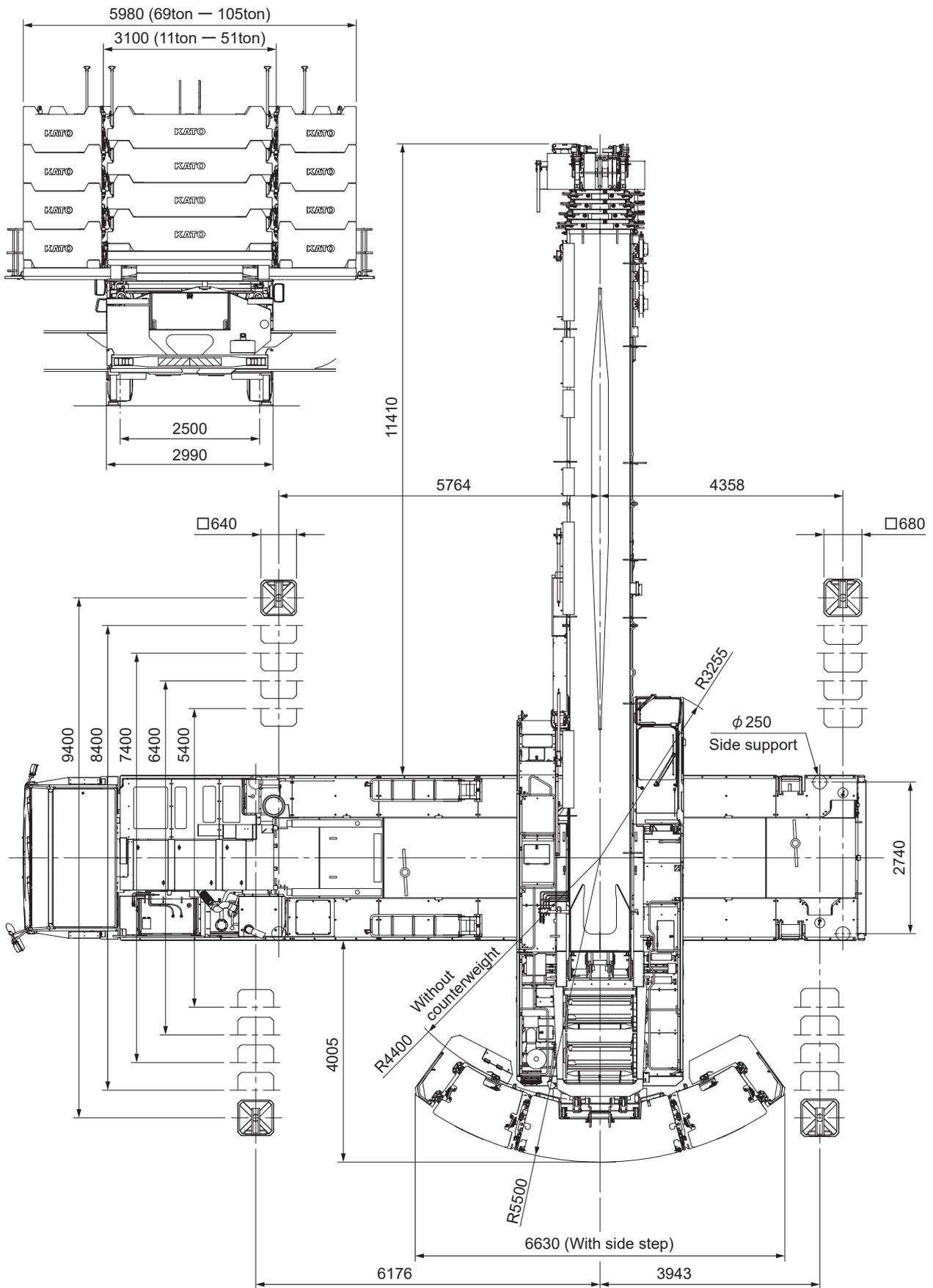
Overall view



Right hand drive

Reduced scale: 1/100 unit (mm)

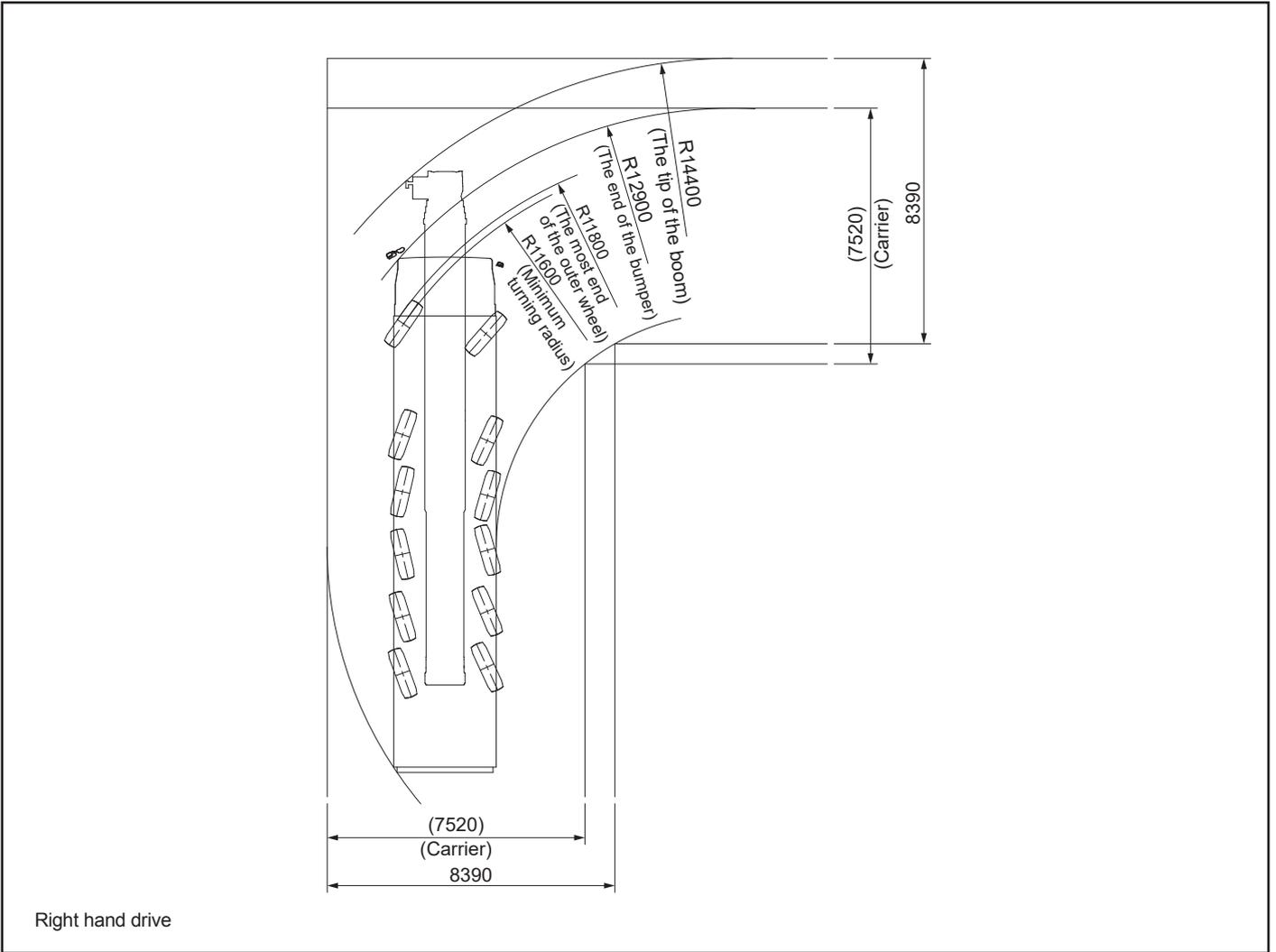
Overall view



Right hand drive

Reduced scale: 1/100 unit (mm)

■ Minimum right-angle passage width for machine with Jib



■ Public road driving conditions

