

[SPECIFICATION]

■ CRANE

Description		Rough terrain crane with maximum lifting capacity 13 ton	
● Crane specification			
Maximum rated lifting capacity		5.3 m Boom	13,000kg × 1.7 m (Parts of line : 8)
		9.04m Boom	6,000kg × 4.0 m (Parts of line : 4)
		12.78m Boom	6,000kg × 4.0 m (Parts of line : 4)
		16.52m Boom	5,000kg × 4.5 m (Parts of line : 4)
		20.26m Boom	4,700kg × 4.0 m (Parts of line : 4)
		24.0 m Boom	3,200kg × 5.5 m (Parts of line : 4)
		3.6 m Jib	1,600kg × 75° (Parts of line : 1)
		5.5 m Jib	1,000kg × 70° (Parts of line : 1)
	Rooster	1,800kg	(Parts of line : 1)
Boom length		5.3m — 24.0m	
Jib length		3.6m — 5.5m	
Maximum rated lifting height		24.8m (Boom) 30.3m (Jib)	
Hoisting line speed (winch up)	Main winch	115m / min (at 5th layer)	
	Auxiliary winch	102m / min (at 3rd layer)	
Hoisting hook speed (winch up)	Main winch	(Parts of line : 8) 14.37m / min (at 5th layer)	
	Auxiliary winch	(Parts of line : 1) 102.00m / min (at 3rd layer)	
High-speed lowering Rope speed	Main winch	157m / min (at 3rd layer)	
	Auxiliary winch	157m / min (at 3rd layer)	
Boom derricking angle		-7.5° — 82°	
Boom derricking time		30s / -7.5° — 82°	
Boom extending speed		18.7m / 65s	
Slewing speed		2.4min ⁻¹	
Tail slewing radius		1,600mm	

● Equipment and structure

Boom type		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) Hydraulic stepless tilting type (offset angles 5° — 60°)	
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 Main & Auxiliary winches		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.	
Slewing equipment		Equipped with Hydraulic motor drive and a planetary gear speed reducer (built-in negative brake), Free / Lock change-over type	
Slewing bearing		Ball bearing type	
Outriggers	Type	Hydraulic H-beam type (with float and vertical cylinder in single unit)	
	Extension width	4,750mm (Fully extended)	
		4,300mm (Intermediately extended)	
		3,700mm (Intermediately extended)	
		2,700mm (Intermediately extended)	
Wire rope for hoisting	Main winch	Diameter: 11.2mm × Length: 132m	
	Auxiliary winch	Diameter: 11.2mm × Length: 65m	

● 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		150L	

● Safety devices

ACS (Automatic Crane System with Voice alarm),
Slewing automatic stop system, Working range limit mode,
Outrigger status detector, Boom derricking / telescoping holding valve,
Jib derricking holding valve, Overhoist prevention device,
Winch holding valve, Automatic winch brake, Winch drum roller,
Hydraulic safety valves, Outrigger lock pins, Slewing warning lamp,
Hydraulic oil temperature warning device

● Standard equipment

Air conditioner, Working light (on boom, table and cab),
Winch drum turning indication device, Hook for 13 ton, Hook for 1.8 ton

● Operator's cab

Adjustable steering wheel, Adjustable seat,
Power Window (external closing switch),
Front windshield wiper & washer (2 speed wiper),
Roof window wiper & washer, AM/FM Radio, Step lamp, Floor mat,
Accessory socket (24V), Emergency set

● Optional equipment

ACS outside indicator, PA system, Colorful monitor,
Winch view camera, Door visor, Fire extinguisher, Seat suspension

■ CARRIER

● Carrier specification

Maximum traveling speed	49km/h
Grade ability	55 % (computed at G.V.W. = 13.815kg)
Minimum turning radius (center of extreme outer tire)	6.5 m (2 wheel steer) 3.92 m (4 wheel steer)

● Engine

Model	Mitsubishi 4M50-TLE3BA
Type	4 cycle, 4 cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling
Piston displacement	4.899L
Max. power	129kW at 2,700min ⁻¹
Max. torque	530N·m at 1,600min ⁻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	
Axles	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)	
Tire size	Front	275 / 80 R22.5 151 / 148J	
	Rear	275 / 80 R22.5 151 / 148J	
Fuel tank capacity		250 L	
Batteries		(12V-100Ah) × 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,
Radiator coolant level warning device

● Standard equipment

Aluminum outrigger plate, Discharge head lamp

● Optional equipment

Wheel stopper, Way side lamp, Side marker lamp,
Rear view camera, Left front view camera

■ GENERAL Dimensions

Overall length		7,440mm
Overall width		1,995mm
Overall height		2,845mm
Wheel base		2,750mm
Treads	Front	1,680mm
	Rear	1,680mm
Passenger capacity		One person
Gross vehicle weight	Gross weight	approx. 13,815kg
	Front axle	approx. 6,860kg
	Rear axle	approx. 6,955kg

● Stow the hooks in place before traveling.

● Before you use this machine, read the precautions in the instruction manual thoroughly to operate it correctly.

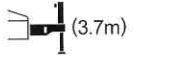
● KATO products and specifications are subject to improvements and changes without notice.

Tutt Bryant Equipment P/L
PO Box 38
Brisbane Market
Q 4106

RATED LIFTING CAPACITY

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

5.3m — 24.0m Boom

	 (4.75m)						 (4.3m)						 (3.7m)						 (2.7m)					
Working radius (m)	Outriggers fully extended (4.75m) - 360° full range						Outriggers intermediately extended (4.3m) - over side						Outriggers intermediately extended (3.7m) - over side						Outriggers intermediately extended (2.7m) - over side					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	13.00	6.00	6.00				13.00	6.00	6.00				12.00	6.00	6.00				12.00	6.00	6.00			
1.7	13.00	6.00	6.00				13.00	6.00	6.00				12.00	6.00	6.00				12.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00			12.00	6.00	6.00	5.00			12.00	6.00	6.00	5.00			12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00			10.00	6.00	6.00	5.00			10.00	6.00	6.00	5.00			8.50	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70		8.20	6.00	6.00	5.00	4.70		8.20	6.00	6.00	5.00	4.70		6.00	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20	7.00	6.00	6.00	5.00	4.70	3.20	7.00	6.00	6.00	5.00	4.70	3.20	4.70	4.70	4.60	4.50	4.40	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20	6.10	6.00	6.00	5.00	4.70	3.20	6.10	6.00	6.00	5.00	4.70	3.20	3.70	3.70	3.70	3.70	3.70	3.20
4.5		5.50	5.40	5.00	4.50	3.20		5.50	5.40	5.00	4.50	3.20		5.10	5.10	5.00	4.50	3.20		3.00	3.00	3.10	3.10	3.00
5.0		5.00	4.90	4.60	4.05	3.20		5.00	4.90	4.60	4.05	3.20		4.40	4.40	4.50	4.05	3.20		2.40	2.40	2.60	2.70	2.70
5.5		4.50	4.40	4.20	3.70	3.20		4.50	4.40	4.20	3.70	3.20		3.80	3.70	3.90	3.70	3.20		2.00	2.00	2.20	2.30	2.30
6.0		4.10	4.00	3.80	3.40	3.00		4.10	4.00	3.80	3.40	3.00		3.20	3.20	3.40	3.40	3.00		1.70	1.70	1.85	2.00	2.05
6.5		3.70	3.65	3.50	3.15	2.80		3.65	3.60	3.50	3.15	2.80		2.80	2.75	2.95	3.05	2.75		1.40	1.40	1.60	1.70	1.75
7.0		3.35	3.30	3.20	2.90	2.60		3.20	3.15	3.20	2.90	2.60		2.40	2.35	2.55	2.70	2.50		1.20	1.20	1.40	1.50	1.55
8.0		2.70 (7.7m)	2.90	2.70	2.50	2.25		2.65 (7.7m)	2.45	2.60	2.50	2.25		1.95 (7.7m)	1.80	2.00	2.10	2.15		0.90 (7.7m)	0.85	1.05	1.15	1.20
9.0			2.25	2.30	2.20	1.95			1.90	2.10	2.20	1.95			1.40	1.60	1.70	1.75			0.60	0.80	0.90	0.95
10.0			1.80	2.05	1.95	1.75			1.50	1.70	1.85	1.75			1.05	1.25	1.35	1.45			0.35	0.55	0.65	0.75
11.0			1.45	1.70	1.75	1.55			1.20	1.40	1.55	1.55			0.80	1.00	1.10	1.20				0.40	0.50	0.60
12.0			1.35 (11.4m)	1.40	1.50	1.40			1.10 (11.4m)	1.15	1.30	1.35			0.70 (11.4m)	0.80	0.90	1.00				0.25	0.35	0.45
13.0				1.15	1.30	1.25				0.95	1.10	1.15				0.65	0.75	0.85					0.20	0.30
14.0				0.95	1.10	1.15				0.80	0.90	1.00				0.50	0.60	0.70						0.20
15.0				0.80	0.90	1.00				0.65	0.75	0.85				0.40	0.50	0.55						
16.0					0.79	0.85					0.65	0.70					0.40	0.45						
17.0					0.68	0.74					0.55	0.60					0.30	0.35						
18.0					0.58	0.64					0.45	0.50						0.30						
19.0					0.51 (18.8m)	0.55					0.35 (18.8m)	0.40												
20.0						0.47						0.35												
21.0						0.41						0.30												
22.0						0.35						0.25												
22.5						0.32																		
Critical boom angle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23°	36°	—	—	19°	32°	44°	50°
Standard hook	For 13 ton						For 13 ton						For 13 ton						For 13 ton					
Hook mass	90kg						90kg						90kg						90kg					
Parts of line	8	4	4	4	4	4	8	4	4	4	4	4	8	4	4	4	4	4	8	4	4	4	4	4

(Unit: Metric ton)

5.3m — 24.0m Boom

■ When outriggers are not used

	 (1.64m)					
Working radius (m)	Outriggers completely retracted (1.64m) - over side					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	8.00	6.00	6.00			
1.7	7.00	6.00	6.00			
2.0	5.60	5.40	5.00	4.70		
2.5	3.80	3.80	3.60	3.50		
3.0	2.80	2.80	2.70	2.70	2.60	
3.5	2.10	2.10	2.00	2.10	2.10	2.10
4.0	1.60	1.60	1.55	1.70	1.70	1.75
4.5		1.25	1.20	1.40	1.40	1.45
5.0		0.95	0.95	1.10	1.20	1.25
5.5		0.75	0.75	0.90	1.00	1.05
6.0		0.60	0.55	0.75	0.80	0.90
6.5		0.40	0.35	0.60	0.65	0.75
7.0		0.25		0.45	0.55	0.60
Critical boom angle	—	20°	54°	61°	66°	70°
Standard hook	For 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4

(Unit: Metric ton)

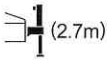
													
Working radius (m)	Stationary on rubber						Pick & carry (less than 2km/h)						Working radius (m)
	5.3m Boom		9.04m Boom		12.78m Boom		5.3m Boom		9.04m Boom		12.78m Boom		
	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range	
1.5	3.60	2.80	3.60	2.80	3.60	2.80	3.20	2.00	3.20	2.00	3.20	2.00	1.5
2.0	3.40	2.80	3.40	2.80	3.40	2.80	3.00	2.00	3.00	2.00	3.00	2.00	2.0
2.5	3.10	2.15	3.10	2.10	3.10	2.05	2.80	1.55	2.75	1.50	2.65	1.45	2.5
3.0	2.65	1.60	2.60	1.55	2.55	1.50	2.40	1.10	2.30	1.05	2.20	1.00	3.0
3.5	2.30	1.25	2.20	1.20	2.10	1.10	2.00	0.85	1.90	0.75	1.80	0.65	3.5
4.0	2.00	0.90	1.90	0.80	1.70	0.70	1.70	0.60	1.65	0.50	1.50	0.40	4.0
4.5			1.60	0.50	1.40	0.40			1.40	0.30	1.25		4.5
5.0			1.30		1.10				1.15		1.00		5.0
5.5			1.10		0.95				0.95		0.85		5.5
6.0			0.90		0.80				0.80		0.70		6.0
7.0			0.50		0.50				0.45		0.45		7.0
Critical boom angle	—	—	26°	54°	52°	66°	—	—	26°	54°	52°	68°	Critical boom angle
Standard hook	For 13 ton						For 13 ton						Standard hook
Hook mass	90kg						90kg						Hook mass
Parts of line	4						4						Parts of line

(Unit: Metric ton)

24.0m Boom+3.6m Jib

 (4.75m)									 (4.3m)									 (3.7m)								
Outriggers fully extended (4.75m) - 360° full range									Outriggers intermediately extended (4.3m) over side									Outriggers intermediately extended (3.7m) over side								
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65
75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65
70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65
65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.2	0.90	13.1	0.77	13.6	0.77	13.8	0.65
60	14.3	0.90	15.1	0.76	15.6	0.70	15.6	0.65	60	14.3	0.87	15.1	0.76	15.6	0.70	15.6	0.65	60	14.2	0.59	15.0	0.54	15.5	0.54	15.5	0.54
55	16.3	0.72	17.0	0.64	17.4	0.64			55	16.2	0.60	16.9	0.55	17.3	0.53			55	16.0	0.37	16.8	0.33	17.2	0.33		
50	18.1	0.57	18.7	0.51	18.9	0.53			50	18.0	0.43	18.6	0.41	18.8	0.40			50	17.8	0.20	18.5	0.18	18.7	0.18		
45	19.7	0.42	20.4	0.40	20.3	0.40			45	19.6	0.30	20.2	0.27	20.3	0.27			Critical boom angle	49°		49°		49°		59°	
40	21.1	0.30	21.6	0.29					40	21.0	0.19	21.5	0.18					Standard hook		For 1.8 ton						
35	22.3	0.22	22.7	0.20					Critical boom angle	39°		39°		44°		59°		Hook mass		25kg						
Critical boom angle	34°		34°		44°		59°		Standard hook	For 1.8 ton								Parts of line	1							
Standard hook	For 1.8 ton								Hook mass	25kg								Parts of line	1							
Hook mass	25kg								Parts of line	1																
Parts of line	1																									

24.0m Boom+3.6m Jib

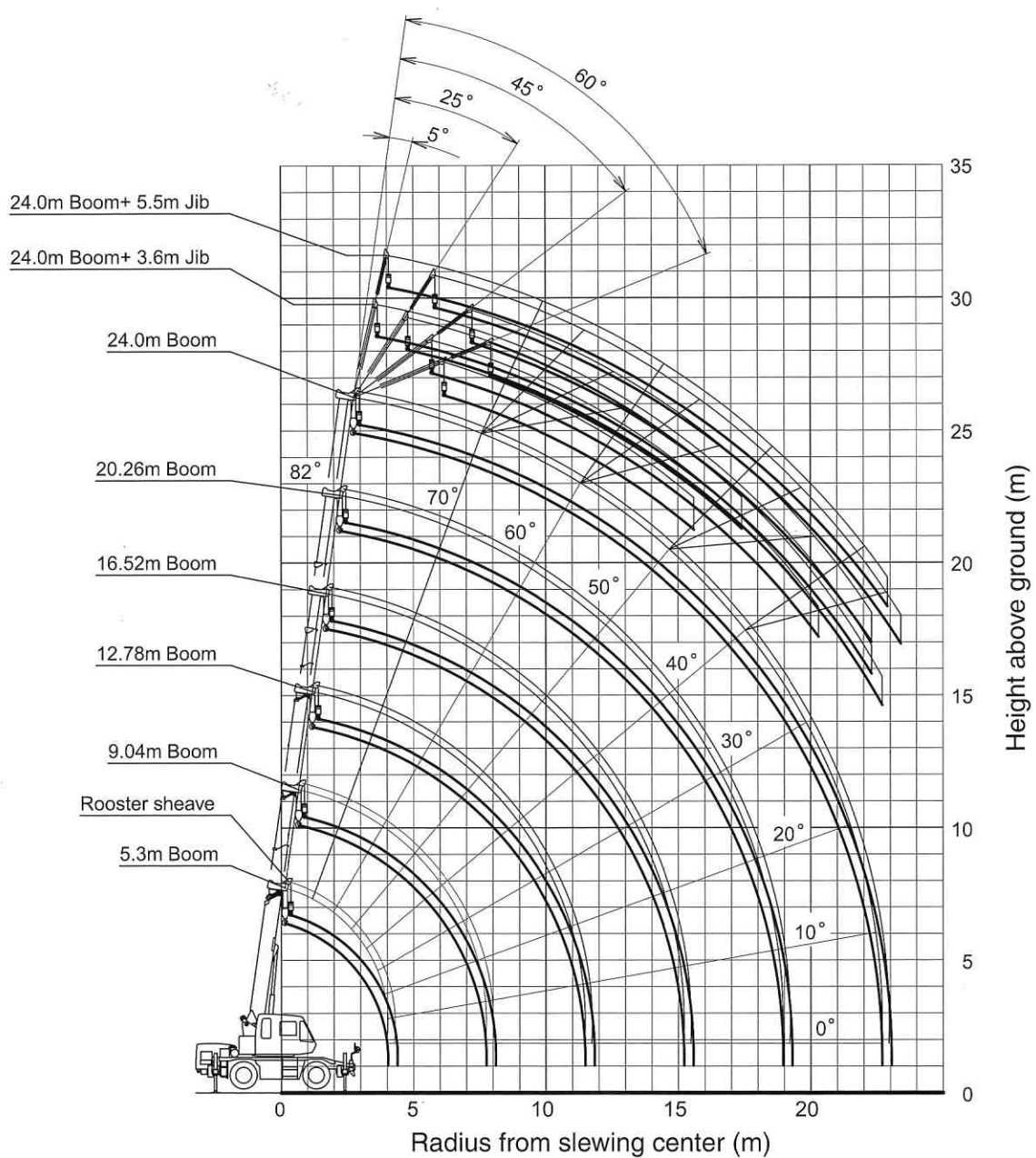
 (2.7m)								
Outriggers intermediately extended (2.7m) over side								
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65
75	7.8	1.20	8.7	1.05	9.5	0.93	9.6	0.65
70	10.0	0.72	10.9	0.65	11.5	0.62	11.7	0.56
65	11.9	0.41	12.9	0.35	13.4	0.34	13.6	0.33
Critical boom angle		64°	64°	64°	64°			
Standard hook		For 1.8 ton						
Hook mass		25kg						
Parts of line		1						

24.0m Boom+5.5m Jib

 (4.75m)									 (4.3m)								
Outriggers fully extended (4.75m) - 360° full range									Outriggers intermediately extended (4.3m) over side								
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40
65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40	65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40
60	15.6	0.69	16.8	0.55	17.5	0.48	17.4	0.40	60	15.5	0.69	16.8	0.55	17.5	0.48	17.4	0.40
55	17.7	0.58	18.8	0.49	19.3	0.45			55	17.6	0.54	18.7	0.49	19.2	0.45		
50	19.6	0.49	20.5	0.44	20.8	0.41			50	19.5	0.38	20.4	0.36	20.7	0.35		
45	21.2	0.38	22.0	0.36	22.3	0.36			45	21.0	0.27	21.8	0.25	22.1	0.25		
40	22.9	0.26	23.4	0.26					Critical boom angle	44°		44°		44°		59°	
Critical boom angle	39°		39°		44°		59°		Standard hook	For 1.8 ton							
Standard hook	For 1.8 ton								Hook mass	25kg							
Hook mass	25kg								Parts of line	1							
Parts of line	1																

24.0m Boom+5.5m Jib

 (3.7m)									 (2.7m)								
Outriggers intermediately extended (3.7m) over side									Outriggers intermediately extended (2.7m) over side								
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	10.8	0.66	12.3	0.55	13.3	0.48	13.6	0.40
65	13.4	0.75	14.7	0.61	15.6	0.52	15.6	0.40	65	12.9	0.36	14.4	0.30	15.3	0.26		
60	15.4	0.52	16.7	0.45	17.5	0.42	17.4	0.40	Critical boom angle	64°		64°		64°		69°	
55	17.4	0.31	18.6	0.28	19.1	0.28			Standard hook	For 1.8 ton							
52	18.5	0.22	19.5	0.21	20.0	0.20			Hook mass	25kg							
Critical boom angle	51°		51°		51°		59°		Parts of line	1							
Standard hook	For 1.8 ton																
Hook mass	25kg																
Parts of line	1																

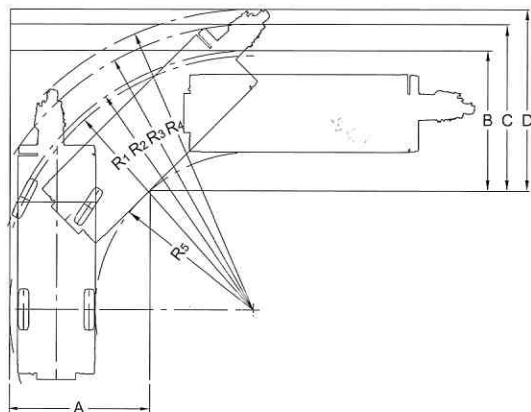


Notes:

1. This diagram does not include deflection of Boom and Jib.
2. The outriggers are fully extended.

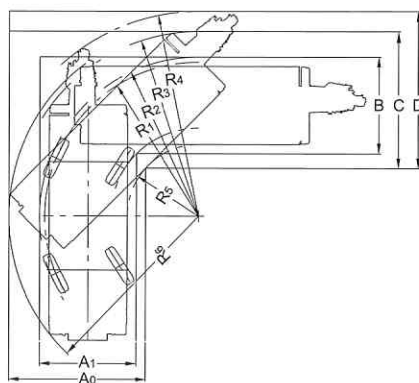
■ Minimum path width

●Right turn in two-wheel steering mode



- $R_1=6.50\text{m}$
(Minimum turning radius)
 - $R_2=6.64\text{m}$
(Turning radius of extremely outer tire)
 - $R_3=7.31\text{m}$
(Chassis turning radius)
 - $R_4=7.69\text{m}$
(Boom end turning radius)
 - $R_5=4.03\text{m}$
(Turning radius extremely chassis inner)
- $A=3.59\text{m}$ (Width of entrance)
 - $B=3.59\text{m}$ (Width of wheel exit)
 - $C=4.26\text{m}$ (Width of chassis exit)
 - $D=4.65\text{m}$ (Width of exit at end of boom)

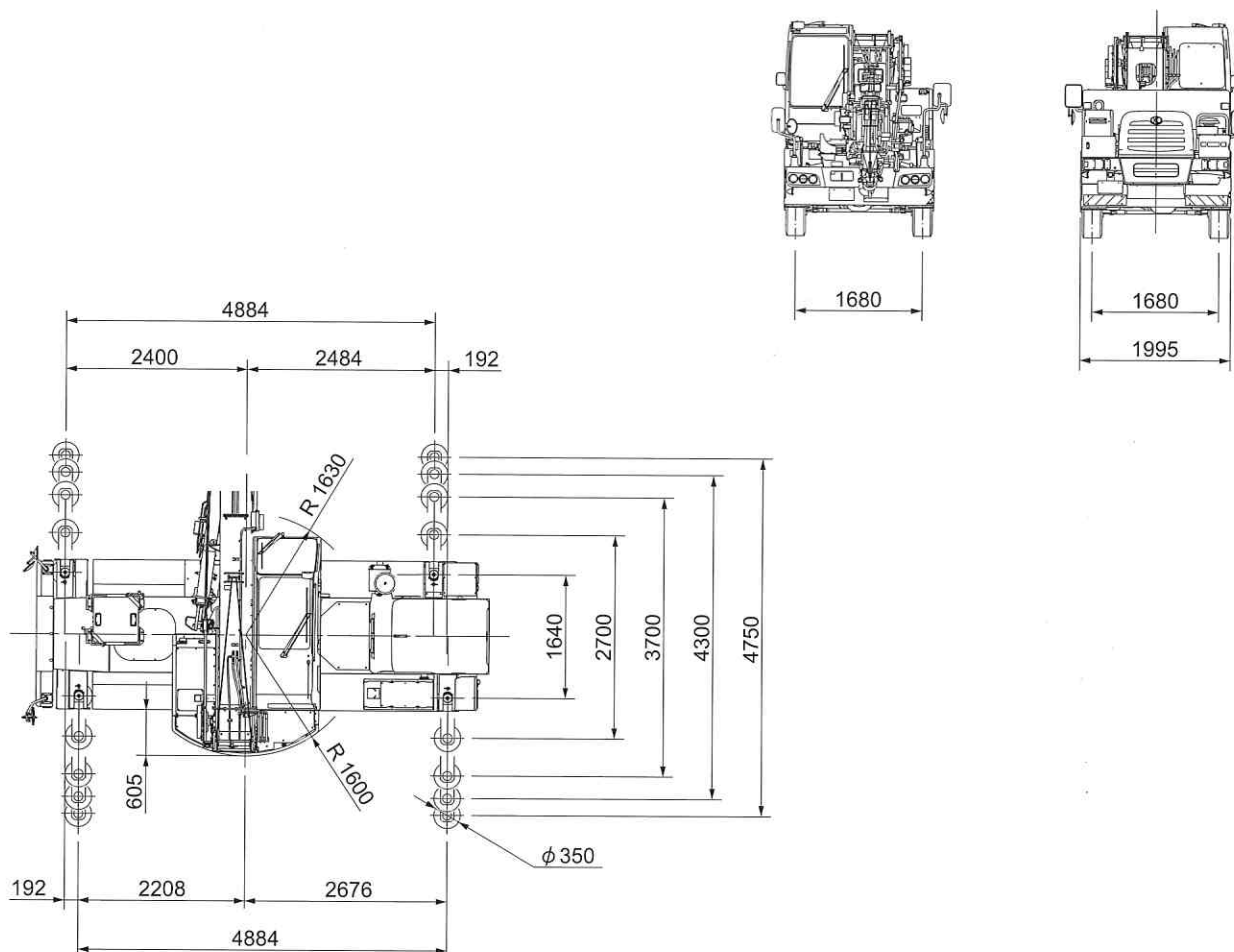
●Right turn in 4-wheel steering mode



- $R_1=3.92\text{m}$
(Minimum turning radius)
- $R_2=4.06\text{m}$
(Turning radius of
extremely outer tire)
- $R_3=4.71\text{m}$
(Chassis turning radius)
- $R_4=5.22\text{m}$
(Boom end turning radius)
- $R_5=1.82\text{m}$
(Turning radius extremely chassis inner)
- $R_6=4.85\text{m}$
(Turning radius at the rear end of the chassis)
- $A_0=3.49\text{m}$ (Width of chassis entrance)
- $A_1=2.47\text{m}$ (Width of wheel entrance)
- $B=2.47\text{m}$ (Width of wheel exit)
- $C=3.49\text{m}$ (Width of chassis exit)
- $D=4.00\text{m}$ (Width of exit at end of boom)

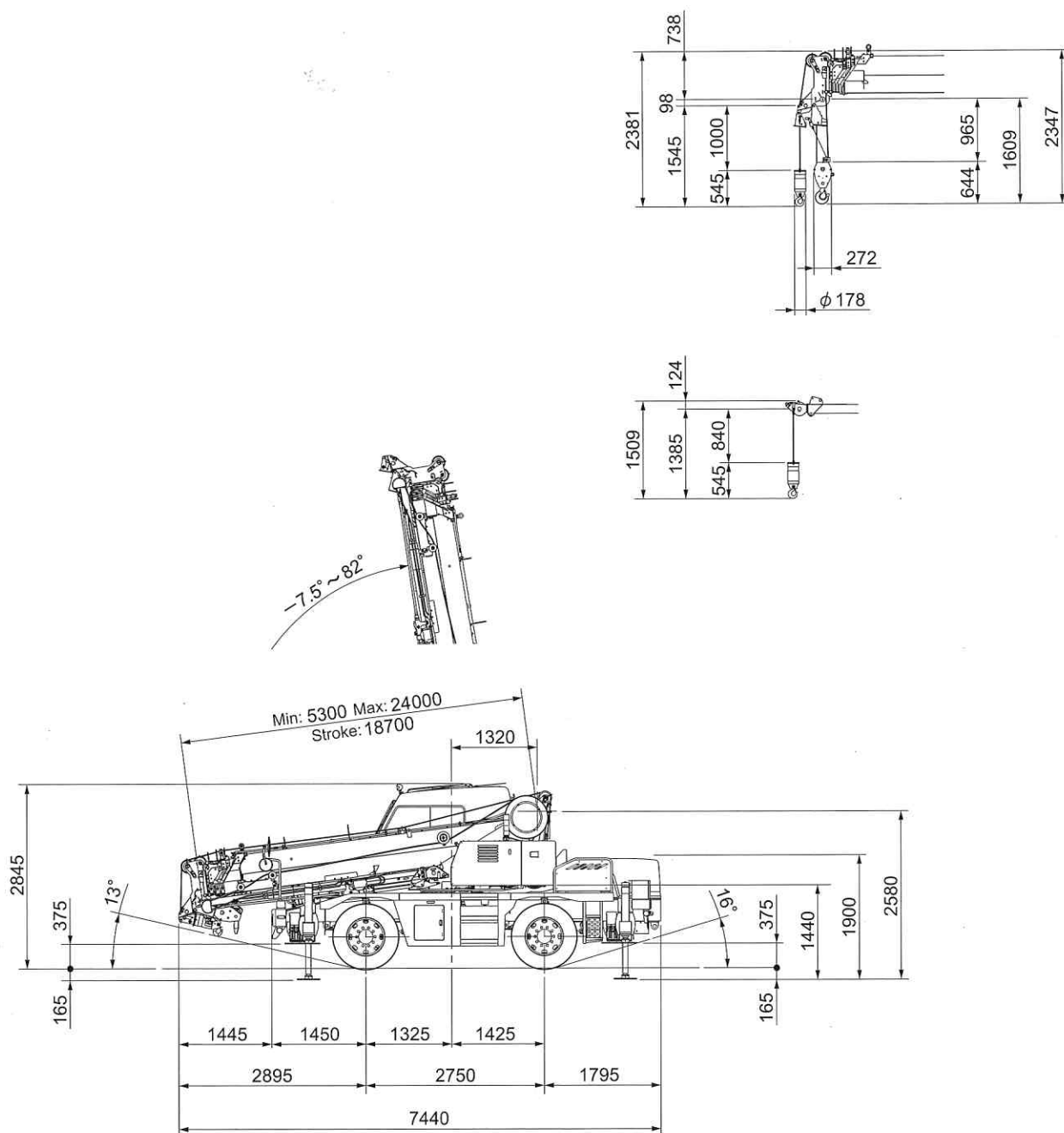
Note: The above values are based on calculations.

■ Overall view



Reduced scale: 1/100 Unit (mm)

Overall view



Ramp break over angle: 31°
 When the suspension is locked, the height shall be the overall height: - 30 mm.
 (Suspension cylinder completely retracted)

Reduced scale: 1/100 Unit (mm)

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

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