KATO

# RK-300VR

## **FULLY HYDRAULIC TRUCK CRANE**

Maximum rated lifting capacity: 30t × 3.0m Maximum boom length: 34.0m Engine output: 206kW/2,300min<sup>-1</sup>(ISO Net)





## More Closer! More Higher! More Farther!

#### Advanced "SUPERBOOM"

- Max. boom length 34 m
- Fly jib length 8.3 m &13.8 m
- Max. lifting height ———— 34 m (boom)
   48 m (boom + fly jib)

#### Wide working ranges in narrows spaces

- Max. derricking angle 82°
  Fly jib with 3 offset angles 5°, 25°, 45°
- Small tail slewing radius 3.37 m

#### Wide & roomy operator's cabin

- Safe load indicator ACS COMPULOAD with working range limiting function

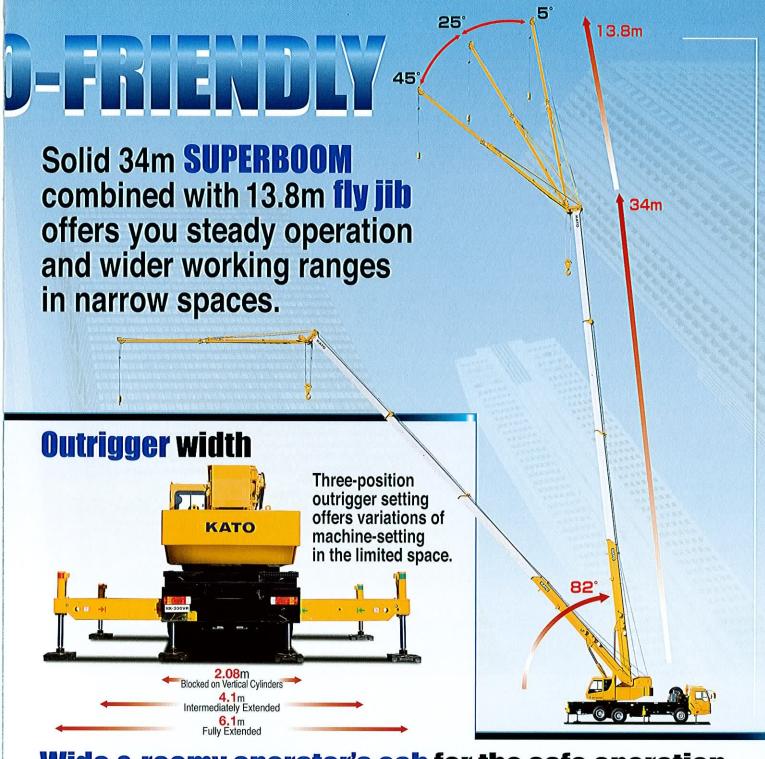
#### Compact body with better mobility

- Overall length 12.65 m
- Overall height 3.8 m
- Min. turning radius 11.0 m

#### New engine FAW CA6DL1-29E3

- Conformity regulation —— Euro III Engine
- Max. output———— 206 kW
- Max. torque \_\_\_\_\_\_\_\_1,150 Nm





## Wide & roomy operator's cab for the safe operation

**New** ACS Moment Limiter Compuload (MS-200) with outrigger width detector and working range limiting function.



- Easy touch panel operation
- High quality color display
- Working range limiting function







Address inquiries to:

#### http://www.kato-works.co.jp

NOTE: Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes

without notice.

Before you use this crane, study the instruction manual thoroughly and follow the instructions it contains.

Some differences may arise between the machine delivered and the photographs in the catalogue.

The actual colours of the body and interior may appear slightly different from those shown in this catalogue due to the limitations of photography and printing.







**QUALITY & EXPERIENCE SINCE 1895** 

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## **NK-300VR**

#### **FULLY HYDRAULIC TRUCK CRANE**

#### **[SPECIFICATION]**

Model		Truck crane with	n maximum lifting ca	pacity 30 ton				
		NK-300VR						
<ul><li>Specificat</li></ul>	ion							
		10.6 m Boom	30,000 kg×3.0 m	(Parts of line : 10)				
		14.5 m Boom	23,000 kg×4.0 m	(Parts of line : 8)				
		18.4 m Boom	16,000 kg×5.0 m	(Parts of line : 8)				
		22.3 m Boom	12,000 kg×7.0 m	(Parts of line : 4)				
Maximum rated lifting capacity		26.2 m Boom	26.2 m Boom 12,000 kg×7.0 m (Parts of line : 4)					
		30.1 m Boom	9,500 kg×8.0 m	(Parts of line : 4)				
		34.0 m Boom	7,500 kg×9.0 m	(Parts of line : 4)				
		8.3 m Jib	8.3 m Jib 3,400 kg×75° (Parts of line : 1)					
		13.8 m Jib	2,200 kg×78°	(Parts of line : 1)				
		Rooster	3,400 kg	(Parts of line : 1)				
Boom length		10.6 m — 34.0 r	n (4 section)					
Fly jib length		8.3 m , 13.8 m	(2 section)					
Maximum lifting	height	34.0 m (Boom)						
Maximum inting	, neight	48.0 m (jib)						
Hoisting line speed	Main winch	105 m / min. (at	4th layer)					
(winch up)	Auxiliary winch	91 m / min. (at	2nd layer)					
Hoisting hook speed	Main winch	(Parts of line; 10	) : 10.5 m / min. (at	4th layer)				
(winch up)	Auxiliary winch	(Parts of line; 1)	: 91.0 m / min. (at 2	nd layer)				
Boom derricking		-3 — 82 58 s (-3° — 82°)						
Boom derricking		D 100 00 100 00 00	100001 /4					
Boom extending	g ume	116 s (10.6 m — 2.3 min <sup>-1</sup>	- 34.0 m)					
Slewing speed	live	3,370 mm						
Tail slewing rad		London Mariana						
●Equipmen	t and sur			Autonomia Evan				
Boom type		Box-shaped, 4-section hydraulically telescopic type (Boom sections 3 / 4 simultaneously operated)  2 sections (2nd section of draw-out type, 3-step inclination type						
Jib type Boom extension	-1	(offset angles 5°,25° and 45°))						
retraction equip	ment	Two hydrauric cylinders and wire ropes used together  One hydraulic cylinder of direct acting type with						
Boom derricking/ lowering equipment		pressure-compensated flow control valve  Driven by axial plunger type hoisting motor through built-in gear reduction						
	nent	Driven by avial nli	inger type hoisting mo	for through built-in gear reduction				
Winch system			ndently by respective					
Winch system Main & Auxilian	y winches	Controlled indeper	ndently by respective omatic brake.					
Winch system Main & Auxilian Slewing equipm Wire rope for	y winches	Controlled indeper Equipped with aut Ball bearing type	ndently by respective omatic brake.					
Winch system Main & Auxilian Slewing equipm Wire rope for	y winches nent Main	Controlled indeper Equipped with aut Ball bearing type Diameter: 16 mm	ndently by respective omatic brake.					
Winch system Main & Auxilian Slewing equipm Wire rope for	y winches nent Main winch Auxiliary winch	Controlled indeper Equipped with aut Ball bearing type Diameter: 16 mm	ndently by respective omatic brake.					
Winch system Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic	y winches nent Main winch Auxiliary winch	Controlled indeper Equipped with aut Ball bearing type Diameter: 16 mm	ndently by respective omatic brake.  n×Length: 190 m  n×Length: 110 m					
Winch system Main & Auxilian Main & Auxilian Mine Auxilian Mire rope for hoisting  Hydraulic Oil pump  Hydraulic	y winches nent Main winch Auxiliary winch system Hoisting motor	Controlled indeper Equipped with aut Ball bearing type Diameter: 16 mm	ndently by respective omatic brake.  n×Length: 190 m n×Length: 110 m					
Winch system Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor	y winches nent Main winch Auxiliary winch system Hoisting	Controlled indeped Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm 4 section gear ty Axial plunger type	ndently by respective communic brake.  n × Length: 190 m  n × Length: 110 m  rpe	operating lever.				
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing	Controlled indeped Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear ty Axial plunger typ Axial plunger typ 3 position 4 way	ndently by respective omatic brake.  n×Length: 190 m  n×Length: 110 m  repe  de double acting with	operating lever.				
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor	Controlled indeped Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear ty Axial plunger typ Axial plunger typ 3 position 4 way Double acting ty	ndently by respective omatic brake.  n×Length: 190 m  n×Length: 110 m  repe  de double acting with	operating lever.				
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder Oil reservoir ca	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor	Controlled indeped Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear ty Axial plunger typ Axial plunger typ 3 position 4 way	ndently by respective omatic brake.  n×Length: 190 m  n×Length: 110 m  repe  de double acting with					
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor	Controlled indepet Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear ty Axial plunger typ 3 position 4 way Double acting ty 400 L  ACS (Automatic Boom falling pre	ndently by respective comatic brake.  n × Length: 190 m  n × Length: 110 m  pe  double acting with pe  crane system with vention device, Win	ntegral check and relief valve				
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder Oil reservoir ca	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor	Controlled indeped Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear type Axial plunger type 3 position 4 way Double acting ty 400 L  ACS (Automatic Boom falling pre Winch drum lock Automatic winch	ndently by respective or an invalid by the specific or and the specific or an invalid by the specific or an experience of the specific or an experience or an ex	integral check and relief valve  voice alarm), ch hoisting limiter, n turning indicator device,				
Winch system Main & Auxilian Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder Oil reservoir ca	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor pacity vices	Controlled indepecting type Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm A section gear by Axial plunger type Axial plunger type 3 position 4 way Double acting by 400 L  ACS (Automatic Boom falling pre Winch drum lock Automatic winch Cutringger lock de Slewing lock description of the property o	ndently by respective or an invalid by the specific or and the specific or an invalid by the specific or an experience of the specific or an experience or an ex	operating lever.  Integral check and relief valve voice alarm), ch hoisting limiter, m turning indicator device, roller, Hydraulic safety valve, roller, Hydraulic safety valve,				
Winch system Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder Oil reservoir ca	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor pacity vices	Controlled indepet Equipped with aut Ball bearing type Diameter: 16 mm Diameter: 16 mm  4 section gear ty Axial plunger typ 3 position 4 way Double acting ty 400 L  ACS (Automatic Boom falling pre Winch drum lock Automatic winch Outrigger lock de Slewing lock dev nt Fly jib, Rooster sl Hooks (30 ton, 3.	in x Length: 190 m  in x Length: 190 m  in x Length: 110 m  in x L	integral check and relief valve  voice alarm), ch hoisting limiter, in turning indicator device, iroller, Hydraulic safety valve, il safety stop system, wo winches control system,				
Winch system Main & Auxilian Slewing equipm Wire rope for hoisting  Hydraulic Oil pump  Hydraulic motor  Control valve Cylinder Oil reservoir ca	y winches nent Main winch Auxiliary winch system Hoisting motor Slewing motor pacity vices	Controlled indepented indepented indepented indepented indepented indepented independent in a section gear by the section gear	in x Length: 190 m  in x Length: 190 m  in x Length: 110 m  in x L	operating lever.  Integral check and relief valve voice alarm), ch hoisting limiter, in turning indicator device, roller, Hydraulic safety valve, of safety stop system, wo winches control system, er,				

	ER					
Maker and mo	del	FAW CA5325JQZ				
<ul><li>Specificat</li></ul>	ion					
Maximum traveling speed		73 km/h				
Gradeability (tan θ)		35 % (theoretically computed at G.V.W. = 30900 kg)				
Minimum turnir (center of extren		11.5 m				
●General d	limension	s				
Overall length		approx. 12,650 mm				
Overall width		approx. 2,500 mm				
Overall height		approx. 3,800 mm				
Wheel base		5,825 mm (4,475 mm+1,350 mm)				
Tarada	Front	2,071 mm				
Treads	Rear	1,847 mm				
	Type	Hydraulic H-beam type (with float and vertical cylinder in single uni				
		6,100 mm (Fully extended)				
Outriggers	Extended outriggers	4,100 mm (Intermediately extended)				
	ouriggers	2,080 mm (Fully retracted)				
001	Gross weight	approx. 30,900 kg				
Gross machine weight  Front weight		approx. 6,950 kg				
	Rear weight	approx. 23,950 kg				
Engine						
Model		FAW CA6DL1-29E3 (EURO-III)				
Туре		6-inline, 4cycle, turbo charged, direct injection water cooled, diese with intercooling				
Piston displace	ment	7.7 L				
Max. power		213 kW / 2,300 min <sup>-1</sup>				
Max. torque		1,150 N·m / 1,600 min <sup>-1</sup>				
●Equipmen	t and stru	ucture				
Drive system		6×4				
Clutch		Single dry plate, hydraulic control with air booster				
Transmission		Manual transmission type				
Number of spe	eds	8 forward & 1 reverse speed				
	Front	Reverse "ELLIOT" type				
Axles	Rear	Full floating type with hub reduction				
	Front	Leaf springs with shock absorber				
Suspension	Rear	Equalizer beams and torque rods with leaf springs (with lockout device)				
	Service	2 circuit air brake, 6 wheels internal expanding type				
Brakes	Parking	Spring loaded brake				
	Auxiliary	Exhaust brake				
Steering Type		Ball nut type with power booster				
Front		12R22.5(16 PR)				
Tire size Rear (dual tire)		12R22.5(16 PR)				
Fuel tank capa	city	300 L				
Seating capacit		2 persons				
Battery	7	(12V-6-QAW-180)×2				
	eauipmer					
Standard equipmen		Towing hook (front and rear, eye type), Spare tire & wheel, Air dryer, Radio AM FM, Cigar lighter, Ashtray, Cab cooler,				

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.

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### 10.6 m — 34.0 m Boom

Outriggers ful	ly exten	ded with	front jac	k	-(	360° full	range
Outriggers ful	ly exten	ded with	out front	jack -	over side	e and ove	er rear
Working radius (m)	10.6 m Boom	14.5 m Boom	18.4 m Boom	22.3 m Boom	26.2 m Boom	30.1 m Boom	34.0 m Boom
2.5	30.00	23.00	16.00				
3.0	30.00	23.00	16.00				
3.5	26.50	23.00	16.00	12.00			
4.0	24.00	23.00	16.00	12.00	12.00		
4.5	22.00	21.50	16.00	12.00	12.00		
5.0	20.10	19.80	16.00	12.00	12.00	9.50	
6.0	16.50	16.10	15.00	12.00	12.00	9.50	7.50
7.0	13.70	13.20	13.10	12.00	12.00	9.50	7.50
8.0	11.40	11.10	11.00	11.00	10.55	9.50	7.50
8.5	10.30	10.30	10.20	10.25	9.95	8.95	7.50
9.0		9.40	9.30	9.50	9.40	8.40	7.50
10.0		7.60	7.50	8.00	8.30	7.50	6.90
12.0		5.30	5.10	5.60	5.90	6.10	5.70
14.0			3.65	4.05	4.30	4.50	4.70
16.0			2.65	3.00	3.30	3.45	3.60
18.0				2.25	2.50	2.70	2.80
20.0				1.65	1.90	2.10	2.20
22.0				1	1.45	1.60	1.70
24.0					1.05	1.25	1.35
26.0						0.90	1.00
28.0						0.65	0.75
30.0							0.55
31.0							0.45
Standard hook				for 30 tor	1		
Hook mass				300 kg			
Parts of line	10		8			4	
Critical boom angle	-	_	7—	-	1-	-	_

(Unit: Metric ton)

Outriggers fully	extende	d withou	t front ja	ck		-ove	er front	
Working radius (m)	10.6 m Boom	14.5 m Boom	18.4 m Boom	22.3 m Boom	26.2 m Boom	30.1 m Boom	34.0 n Boom	
2.5	25.00	23.00	16.00					
3.0	25.00	23.00	16.00					
3.5	25.00	23.00	16.00	12.00				
4.0	22.40	22.20	16.00	12.00	12.00			
4.5	17.45	17.30	16.00	12.00	12.00			
5.0	14.15	14.00	13.90	12.00	12.00	9.50		
6.0	10.00	9.85	9.80	10.20	10.40	9.50	7.50	
6.5	8.65	8.50	8.40	8.85	9.10	9.10	7.50	
7.0	7.55	7.40	7.30	7.70	8.00	8.20	7.50	
8.0	5.90	5.75	5.65	6.05	6.30	6.50	6.65	
8.5	5.30	5.10	5.00	5.40	5.65	5.85	6.00	
9.0		4.55	4.50	4.85	5.10	5.30	5.45	
10.0		3.70	3.60	3.95	4.15	4.35	4.50	
12.0		2.30	2.20	2.60	2.90	3.10	3.20	
13.0			1.70	2.10	2.35	2.55	2.70	
14.0			1.25	1.65	1.90	2.10	2.30	
15.0			0.90	1.30	1.55	1.75	1.90	
16.0			0.65	1.00	1.25	1.45	1.60	
17.0				0.75	0.95	1.15	1.30	
18.0					0.75	0.95	1.05	
19.0					0.55	0.70	0.85	
20.0						0.55	0.65	
Standard hook				for 30 tor	1			
Hook mass				300 kg	300 kg			
Parts of line	10	14	3	4				
Critical boom angle	1-	n <del></del>	-	26°	37°	45°	51°	

(Unit: Metric ton)

## 34 m Boom+8.3 m Jib

### 34 m Boom+13.8 m Jib

Outriggers fully Outriggers fully				-over s	-360° full ide and ove			
	34 m Boom + 8.3 m Jib							
Boom angle	Offse	et 5°	Offse	et 25°	Offse	et 45°		
(°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		
82	6.8	3.40	9.5	2.20	11.4	1.30		
79	9.3	3.40	11.9	2.20	13.5	1.30		
77	11.1	3.40	13.4	2.15	14.9	1.30		
75	12.8	3.40	14.8	2.05	16.2	1.30		
72	14.6	3.05	17.0	1.95	18.3	1.25		
68	17.7	2.45	19.7	1.80	20.8	1.20		
64	20.3	2.05	22.2	1.60	23.2	1.15		
63	20.9	1.95	22.8	1.55	23.7	1.15		
61	22.1	1.70	24.1	1.50	24.9	1.14		
60	22.8	1.55	24.6	1.40	25.4	1.13		
57	24.4	1.25	26.2	1.14	27.0	1.10		
55	25.5	1.07	27.2	0.97	28.0	0.94		
50	28.0	0.71	29.7	0.64	30.1	0.64		
46	30.0	0.48	31.4	0.44	31.8	0.43		
44	31.0	0.37	32.3	0.34				
Standard hook			for 3.4	l ton				
Hook mass			60	kg				
Parts of line			1					
ritical boom angle	42	•	42	, 0	44	•		

Outriggers fully e	extended w	ithout fro	ont jack	-over	side and ov	er rea		
	34 m Boom + 13.8 m Jib							
Boom angle	Offse	et 5°	Offse	et 25°	Offse	t 45°		
(* )	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)		
82	8.4	2.20	12.6	1.10	15.9	0.70		
80	10.4	2.20	14.3	1.10	17.5	0.70		
78	12.4	2.20	16.0	1.08	19.0	0.70		
76	14.1	2.00	17.6	1.02	20.5	0.70		
72	17.3	1.65	20.8	0.92	23.2	0.67		
68	20.4	1.43	23.7	0.85	25.9	0.65		
64	23.5	1.25	26.5	0.79	28.4	0.63		
60	26.4	1.11	29.2	0.75	30.7	0.62		
56	28.9	0.91	31.6	0.71	32.8	0.61		
55	29.5	0.84	32.2	0.69	33.3	0.61		
53	30.7	0.70	33.3	0.63	34.3	0.59		
50	32.4	0.54	34.9	0.47	35.6	0.47		
48	33.4	0.44	35.8	0.39	36.4	0.39		
46	34.5	0.35	36.8	0.31	37.2	0.31		
Standard hook		for 3.4 ton						
Hook mass		60 kg						
Parts of line		1						
Critical boom angle		44°						

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### 34 m Boom + 8.3 m Jib

### 34 m Boom+13.8 m Jib

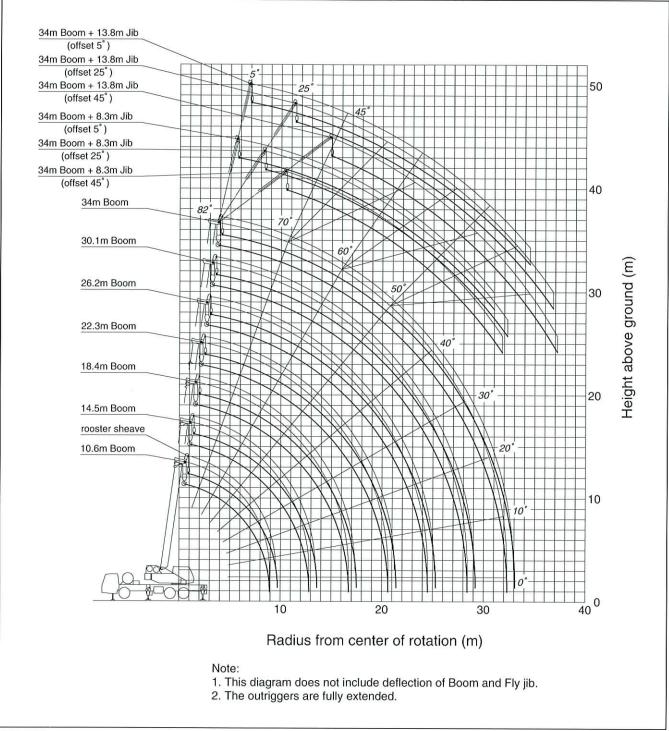
			extended without fro		360° full	
Boom		34 (	m Boom +	8.3 m J	lib	
angle	Offse	t 5°	Offset	25°	Offset	45°
(°)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load
82	6.8	3.40	9.5	2.20	11.4	1.30
79	9.3	3.40	11.9	2.20	13.5	1.30
77	11.0	3.35	13.4	2.15	14.9	1.30
75	12.4	12.4 3.10 14.8 2.05 16.2 1.30				
74	13.1	2.75	15.6	2.00	16.9 *	1.28
72	14.4	2.20	16.9	1.74	18.3	1.25
70	15.7	1.75	18.1	1.41	19.6	1.20
67	17.6	1.22	19.8	1.00	21.2	0.91
65	18.8	0.93	21.0	0.77	22.3	0.70
Standard hook		for 3.4 ton				
Hook mass	60 kg					
Parts of line		1				
Critical boom angle			63	•		

Outrigge	rs fully ext	ended	without fro			range r front
Boom		34 n	n Boom +	13.8 m	Jib	
angle	Offse	t 5°	Offset	25°	Offset	45°
(* )	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
82	8.4	2.20	12.6	1.10	15.9	0.70
80	10.4	2.20	14.3	1.10	17.5	0.70
78	12.4	2.20	16.0	1.08	19.0	0.70
76	14.1	2.00	17.6	1.02	20.5	0.70
73	16.3	1.75	20.0	0.94	22.6	0.68
70	18.7	1.30	22.3	0.89	24.6	0.66
68	20.1	1.01	23.7	0.79	25.9	0.65
66	21.5	0.75	25.0	0.62	27.2	0.54
Standard hook			for 3.4	ton		
Hook mass		60 kg				
Parts of line	1					
Critical boom angle		64°				

Outriggers ful (blocked on v -360	
Working radius (m)	10.6 m Boom
2.5	7.00
3.0	7.00
3.5	5.50
4.0	4.50
4.5	3.70
5.0	3.10
5.5	2.60
6.0	2.20
6.5	1.80
7.0	1.50
7.5	1.20
8.0	1.00
Standard hook	for 30 ton
Hook mass	300 kg
Parts of line	10

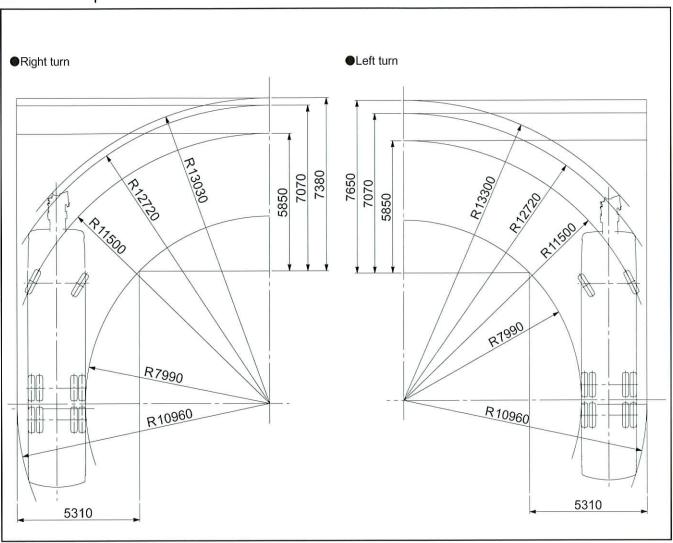
#### **Precautions**

- The rated lifting capacities indicate the maximum load which can be lifted by this
  crane provided it is standing on firm, level ground. They include the mass of the
  hook and all other slings etc. The capacities enclosed with bold lines are based
  on the structural strength of the crane.
- 2. The working radii as given in the lifting capacity chart are the actual values including the deflection of the boom. Therefore, operate the crane based on the working radius. However, the working radii shown for jib operations are based on the values obtained when the boom is fully extended (34 m). If the boom is at any other length, jib operations should be performed on the basis of the boom angle only.
- 3. The rated lifting capacities for the rooster sheave are equivalent to the rated lifting capacities for the boom to a maximum of 3400 kg.
  At all times the mass of all slings etc. in use (including the slings etc. attached to the boom) must be subtracted from the rated lifting capacity.
- 4. If the boom length exceeds the rated value, the rated lifting capacities for the rated boom length or for the one stage longer boom length should be referred to, and the crane should be operated within the smaller lifting capacity.
- 5. If you are working with the boom while the jib is mounted, 2200 kg plus the mass of the slings etc. should be subtracted from the rated lifting capacity. When performing the above operation, do not use the rooster sheave.
- 6. Critical boom angles for each boom length are shown on bottommost line of the lifting capacity chart. If the boom angle is lowered to less than the critical boom angle, the crane will tip over even if unloaded. Therefore, never lower the boom below these angles.
- 7. The standard number of parts of line for each boom length are indicated in the lifting capacity chart. If you work with a non-number of parts of line, take 29.4 kN (3 tf) as the maximum load on any part of the wire rope.
- 8. Frontward hoisting capacity with the outriggers fully extended is lower than sideward or rearward hoisting capacity. Great care should be taken when transferring from over side to over front since there is a danger of overloading.
- 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.
- 10. If you work with a load in excess of the rated lifting capacity or use incorrect working procedures, you are risking damaging the crane or tipping it over. In such cases, the crane will not be guaranteed.

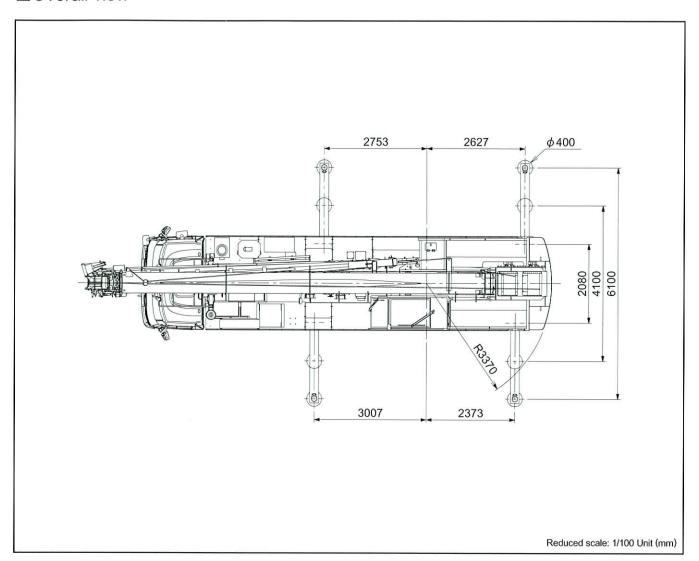


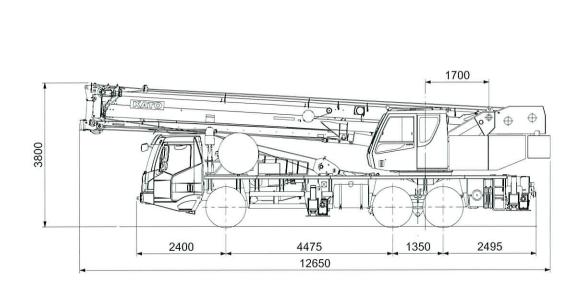
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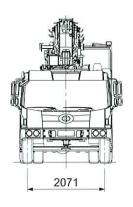
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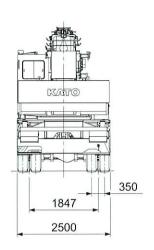


#### Overall view •









Reduced scale: 1/100 Unit (mm)

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

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