



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

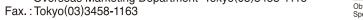
- Before you use the crane, study the instruction manual thoroughly and follow the instructions it contains.
 Some differences may arise between the machine delivered and the photographs in the catalog due to the country the crane will be used in or any added improvements. Note: The specification may be changed without notice.
 The actual colors of the body and interior may appear slightly different from those shown in this catalogue due to the limitations of photography and printing.

Contact for enquiry:

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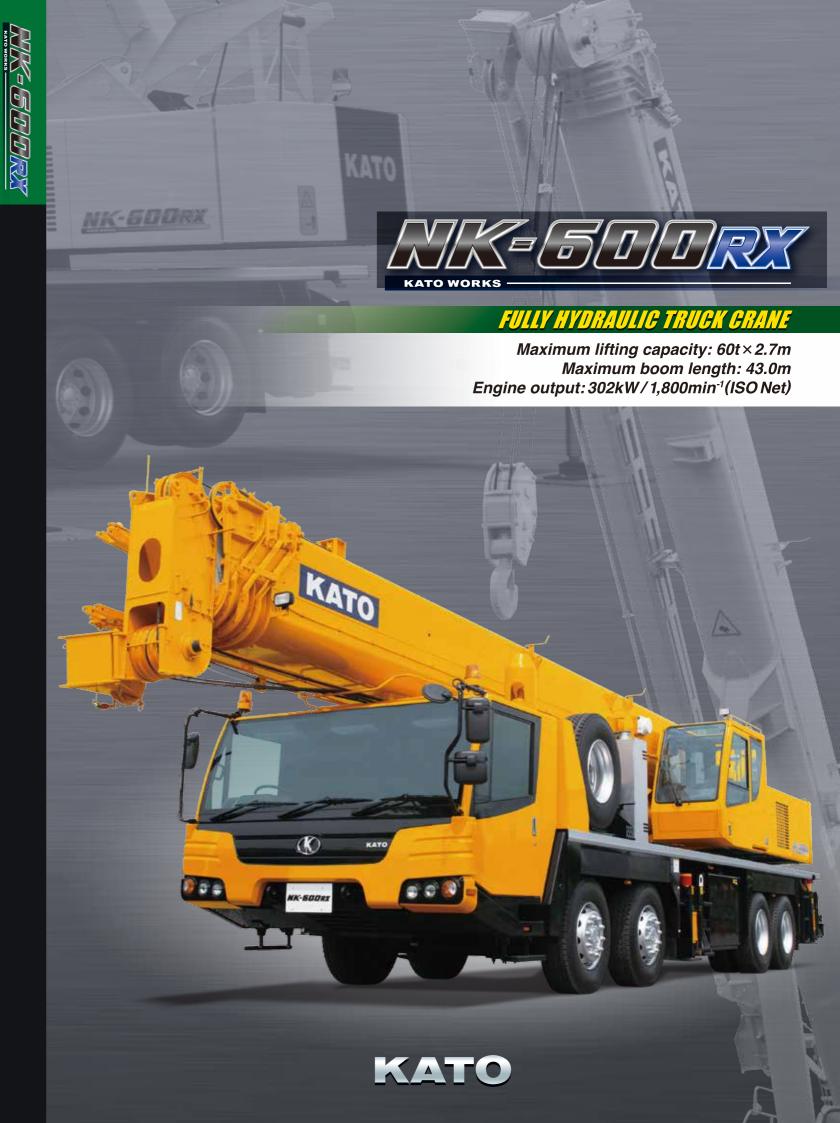


KATO WORKS (THAILAND) CO.,LTD.

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Tel.: 038-020-145 Fax.: 038-020-148









Designed by KATO & Made by KATO

KT4060 crane carrier is specially designed for truck crane. High-tensile steel is used for

Easy to operate and stable speed change.

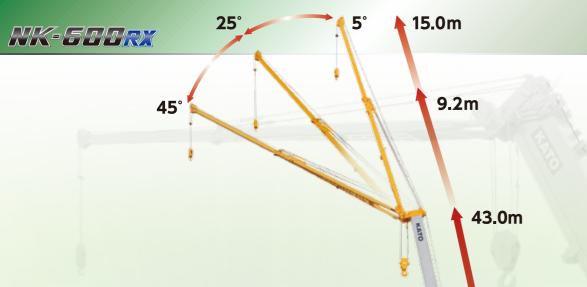
Number of speed 6 forward & 1 reverse

Powerful driving force for comfortable traveling. Strong torque generated from low

Model: HINO E13C-YY(Equivalent to Euro 3)

Max. Power 302kW / 1,800 min-1 Max. Torque 1,863N·m / 1,100min-1





Strong and smooth lifting

4-section round-shaped SUPERBOOM

Simultaneous extension / retraction for various work.

Boom lifting capacity

SUPERBOOM

- Max. lifting capacity 60t × 2.7m

-2.5°

11.0 m

81°

- Boom length 11.0m~43.0m

2-section manual jib

Boom side stow type. Easy to attach.

Manual jib lifting capacity

- Max. lifting capacity 3.5t×78° ■ Jib length 9.2m, 15.0m
- Jib offset angle 5°, 25°, 45°
- Max. lifting height (Boom+Jib)...... 58.0 m



Wide view carrier cabin

Roomy and comfortable space. Wide view cabin enhances safer driving.

Seat suspensions reduce driver's fatigue and keep suit driving position.

Both left-hand and right-hand steering are available.

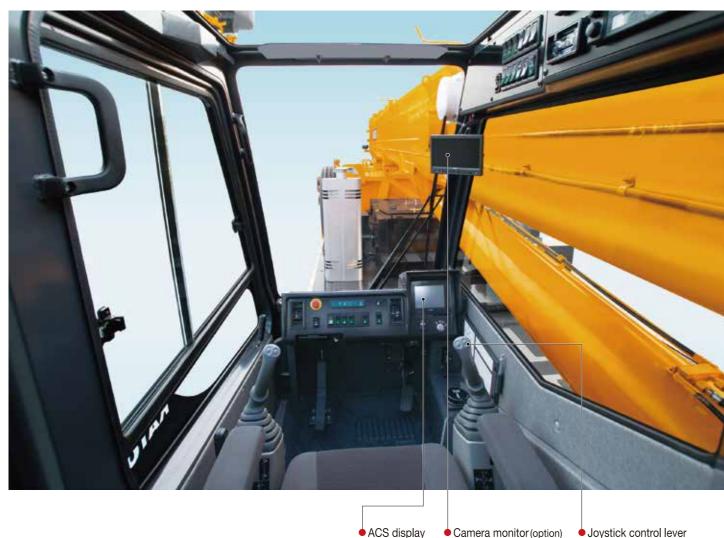




3-position outriggers

Ensure safe and stable operation by 3-position outriggers.

Comfortable operator's cabin



Various safety functions for crane operation K·COR (KATO Crane Operation Recorder) (option)

Records working status of crane. Recorded data can retrieve by the SD memory card.



▲ K•COR (option)

ACS (Automatic Crane System)

MS-200 moment limiter is installed. Touch panel type color display enhances operability and visibility.

Load factor limiting function

Available to control load factor between 80% to 100% of rated-lifting-capacity to keep a bigger safety margin.



Various devices and equipments

Great access by steady steps.
Safety buzzer, lamp and light support safe operation.



05





FULLY HYDRAULIC TRUCK CRANE

[SPECIFICATION]

				KOI LO			
CRANE							
Description	aximum lifting capacity 60 to	on					
Model		NK-600RX					
Specificat	ion						
		11.0 m Boom 60,000kg × 2.7 m (Parts of line : 14)					
			11.0 m Boom 40,000kg × 4.0 m (Parts of line : 10)				
		15.0 m Boom 19.0 m Boom		f line : 8) f line : 8)			
		23.0 m Boom		f line : 6)			
Maximum rated	d lifting	27.0 m Boom		f line : 5)			
capacity		35.0 m Boom		f line : 4)			
		43.0 m Boom	8,000kg × 11.0 m (Parts o				
		9.2 m Jib	3,500kg × 78° (Parts o	f line : 1)			
		15.0 m Jib	2,500kg × 80° (Parts o	f line : 1)			
		Rooster	4,500kg (Parts o	f line : 1)			
Boom length		11.0m — 43.0m (5-	section)				
Fly jib length		9.2m, 15.0m (2-sec	tion)				
Maximum lifting	a heiaht	43.0m (Boom)					
		58.0m (Jib)					
Hoisting line	Main winch	114 m/min. (at 3rd I	-				
speed	Auxiliary winch	105 m/min. (at 2nd					
Hoisting hook speed	Main winch		8.1 m/min. (at 3rd layer)				
•	Auxiliary winch		105 m/min. (at 2nd layer)				
Boom derrickin Boom derrickin		-2.5° — 81° 70s (-2.5° — 81°)					
Boom extendin		170s (11.0m — 43.0)m)				
Slewing speed	ig time	2.1min ⁻¹	311)				
Tail slewing rac	dius	3.480mm					
●Equipmer							
<u> </u>		Round-shaped, 5-section hydraulic telescopic type					
Boom type		(the 2nd and 3rd, 4 operated)	th and 5th boom sections sin				
Jib type		2 sections (2nd sec (offset angles 5°, 2	ction of draw-out type) 5° and 45°)				
Boom extensio retraction equip		Three hydraulic cyli	inders and wire ropes used	together			
Boom derricking/ lowering equipment			der of direct acting type with ated flow control valve	ı			
Winch system Main & Auxiliar	y winches	Driven by axial plunger type hoisting motor through planetary gear reduction. Controlled independently by operating lever. equipped with automatic brake.					
Slewing equipn	nent	Ball bearing type					
Wire rope for	Main winch	Diameter: 18mm×Length: 235m					
hoisting	Auxiliary winch	Diameter: 18mm×I	_ength: 125m				
Hydraulic	equipme	nt					
Oil pump		4 section gear type					
Hydraulic	Hoisting motor	Axial plunger type					
motor	Slewing motor	Axial plunger type					
Control valve		3 position 4 way double acting with integral check and relief valves					
Cylinder		Double acting type					
Oil reservoir ca		695L					
●Safety de	vices	[
		Boom derricking / te Overhoist preventior Winch drum turning Winch holding valve	nne System with voice alarm), leescoping holding valve, n device, Drum lock device, indicator device, Automatic w , Winch drum roller, Hydraulic Joystick control safety stop sy	inch brake, safety valves,			
Standard	equipme	nt	<u> </u>				
		Front jack, Fly jib, Rooster sheave, Independent two winches control system, Irregular winding prevention device, Winch automatic brake, Hooks (40 ton, 20 ton, 4.5 ton), Hydraulic oil cooler, Full size fender, Large size steps, 3 working lights, Moment limiter with voice alarm, Winch drum turning indicator, Sun visor, Cigar lighter, Ashtray, Cab floor mat, Tool kit, Winch over-unwinding device, AM/FM Radio, Fire extinguisher, Cab level gauge					
●Optional e	equipmen	t					
		Cab cooler, Fan, Ro	(hoist mirror), Yellow rev. ligh oof visor, Sub hook sheave t COR (Kato Crane Operation	for 60t,			

■ CARRIE	ER					
Maker		KATO				
Model		KT4060L, KT4060R				
Specification	ion					
Maximum traveling speed		75km/h				
Grade ability (ta	$an \theta$)	35% (computed at G.V.W.= 41,200kg)				
Minimum turnin	g radius	11.7m				
General d	imension	s & G.V.W.				
Overall length		approx.13,370mm				
Overall width		approx. 2,800mm				
Overall height		approx. 3,750mm				
Wheel base		1,450mm + 3,900mm + 1,350mm = 6,700mm				
Treads	Front	2,300mm				
	Rear	2,080mm				
	Туре	Hydraulic H-beam type (with float and vertical cylinder in single unit)				
Outriggers	Extension	7,000mm (Fully extended)				
	width	4,800mm (intermediately extended)				
	Cross	2,500mm (Completely retracted %blocked on vertical cyls.)				
	Gross weight	approx. 41,200kg				
Gross machine weight	Front weight	approx. 15,500kg				
	Rear weight	approx. 25,700kg				
Engine						
Maker		HINO				
Model		E13C-YY (Equivalent to EURO III)				
Туре		4 cycle, 6 cylinders,water cooled,direct injection turbo-charged diesel engine with intercooling				
Piston displace	ment	12.913L				
Max. power		302kW / 1,800min ⁻¹				
Max. torque		1863N • m / 1,100min ⁻¹				
* NOTE : Diese	l Fuel recor	mmended by KATO must be used				
● Equipmen	t and stru	ucture				
Drive system		8×4				
Clutch		Single dry plate, hydraulic control with air booster				
Transmission		Manual transmission type				
Number of spee		6 forward & 1 reverse speed				
Axles	Front	Reverse "ELLIOT" type				
	Rear	Full floating type				
Suspension	Front	Leaf springs with shock absorber				
	Rear	Equalizer beams & torque rods				
	Service Front ovloc	2 circuit air brake				
Brake	Front axles Rear axles	Disk brake Drum brake				
Diane						
	Parking Auxiliary	Spring loaded brake Engine retarder brake				
Steering		Ball nut type with power booster				
Steering	Type Front	315 / 80R22.5 156 / 150K				
	Rear					
Tire size	(dual tire)	315 / 80R22.5 156 / 150K				
	Front	315 / 80R22.5 156 / 153J				
Rear (dual tire)		315 / 80R22.5 156 / 153J				
Fuel tank capacity		370 L				
Seating capacit	у	2 persons				
Battery		12V — 145G51 × 2				
Standard	equipmer	nt				
		Towing hook (front and rear, eye type), Spare tire & wheel,				
		Air dryer, AM/FM Radio, Cigar lighter, Ashtray, Air conditioner				

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.

7710010000 (Left-hand drive) 7710010100 (Right-hand drive)

11.0m — 43.0m Boom

(Unit: Metric ton)

							(Offic. 1	vietric ton)
	Outriggers fully extended with front jack - 360° full range							
	Outrigge	ers fully exte	ended witho	ut front jack	 over side 	e and over i	ear	
Working radius	11.0m	11.0m	15.0m	19.0m	23.0m	27.0m	35.0m	43.0m
(m)	Boom	Boom	Boom	Boom	Boom	Boom	Boom	Boom
2.7	60.00							
3.0	55.20	40.00	28.00	28.00	24.00			
3.5	46.70	40.00	28.00	28.00	24.00			
4.0	40.50	40.00	28.00	28.00	24.00	20.00		
4.5	35.50	35.50	28.00	28.00	24.00	20.00		
5.0	31.50	31.50	28.00	28.00	24.00	20.00	14.00	
5.5	28.30	28.30	27.60	27.50	24.00	20.00	14.00	
6.0	25.60	25.60	25.30	25.00	24.00	20.00	14.00	
6.5	23.30	23.30	23.00	22.90	22.50	20.00	14.00	8.00
7.0	21.40	21.40	21.00	20.80	20.60	20.00	14.00	8.00
7.5	19.70	19.70	19.30	19.30	19.00	18.60	14.00	8.00
8.0	17.90	17.90	17.75	17.60	17.50	17.50	14.00	8.00
8.5	16.50	16.50	16.40	16.30	16.20	16.20	14.00	8.00
9.0	15.10	15.10	15.10	14.90	14.80	14.70	13.90	8.00
10.0			12.40	12.30	12.20	12.05	12.90	8.00
11.0			10.35	10.15	10.05	9.90	10.85	8.00
12.0			8.70	8.50	8.40	8.30	9.15	7.85
13.0			7.40	7.20	7.10	7.00	7.85	7.40
14.0				6.15	6.05	5.95	6.75	6.85
16.0				4.50	4.40	4.25	5.15	5.55
18.0					3.15	3.05	3.90	4.35
20.0					2.25	2.15	2.95	3.35
22.0						1.40	2.20	2.65
24.0						0.85	1.60	2.05
26.0							1.10	1.55
28.0							0.70	1.10
30.0								0.80
31.0								0.60
Critical boom			_	_			33°	40°
angle							00	70
Standard hook	For 60ton		For 40ton For 20ton					
Hook mass	615kg	475kg 320kg						
Parts of line	14	10	8	8	6	5	4	4

771-75103000

(Unit: Metric ton)

Outriggers intermediately extended without front jack - 360° full range								
Outriggers fully extended without front jack - over front								
Working radius (m)	11.0m	15.0m	19.0m	23.0m	27.0m	35.0m	43.0m	
Working radius (III)	Boom	Boom	Boom	Boom	Boom	Boom	Boom	
3.0	32.00	28.00	28.00	24.00				
3.5	32.00	28.00	28.00	24.00				
4.0	32.00	28.00	28.00	24.00	20.00			
4.5	30.70	28.00	28.00	24.00	20.00			
5.0	23.10	22.75	21.50	21.40	20.00	14.00		
5.5	18.25	17.95	17.45	16.80	16.70	14.00		
6.0	14.90	14.65	14.50	13.60	13.50	14.00		
6.5	12.45	12.20	12.00	11.50	11.20	12.30	8.00	
7.0	10.50	10.35	10.20	9.95	9.45	10.45	8.00	
7.5	9.10	8.90	8.75	8.50	8.20	9.00	8.00	
8.0	7.90	7.70	7.55	7.35	7.20	7.85	8.00	
9.0	6.05	5.90	5.75	5.55	5.55	6.05	6.50	
10.0		4.55	4.45	4.20	4.20	4.80	5.20	
11.0		3.50	3.35	3.15	3.15	3.90	4.20	
12.0		2.65	2.55	2.35	2.35	3.10	3.45	
13.0		2.00	1.85	1.65	1.65	2.45	2.85	
14.0						1.90	2.30	
15.0							1.85	
Critical boom angle	_	_	35°	48°	58°	64°	68°	
Standard hook		For 4	10ton		For 20ton			
Hook mass		47	5kg		320kg			
Parts of line	8	8	8	6	5	4	4	

43m Boom + 9.2m Jib

43m Boom + 15m Jib

(Unit: Metric ton)

												(Offic. IVIC	71.10 10.17
							th front jacl						
					xtended v	without fi	ront jack	over sid					
	43m Boom + 9.2m Jib									oom + 15			
Boom	Offse	et 5°	Offse	t 25°	Offse	t 45°	Boom	Offse	t 5°	Offse	t 25°	Offset	t 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)
81	10.3	3.50	13.3	2.50	15.0	1.35	81	12.0	2.50	16.5	1.30	19.8	0.75
80	11.3	3.50	14.2	2.50	15.8	1.35	80	13.1	2.50	17.5	1.30	20.6	0.75
79	12.3	3.50	15.1	2.45	16.7	1.35	79	14.3	2.45	18.5	1.25	21.4	0.70
78	13.3	3.50	16.0	2.40	17.6	1.30	78	15.3	2.40	19.5	1.25	22.3	0.70
77	14.3	3.40	16.9	2.30	18.4	1.30	77	16.4	2.30	20.4	1.20	23.3	0.70
75	16.1	3.10	18.7	2.20	20.1	1.25	75	18.5	2.15	22.4	1.15	25.1	0.65
72	18.8	2.65	21.2	2.00	22.6	1.20	74	19.5	2.10	23.3	1.15	26.0	0.65
70	20.5	2.45	22.9	1.85	24.1	1.15	72	21.5	1.90	25.2	1.10	27.7	0.65
68	22.3	2.25	24.5	1.75	25.7	1.15	70	23.4	1.70	27.0	1.05	29.4	0.65
66	24.0	2.05	26.1	1.65	27.2	1.10	68	25.3	1.55	28.8	1.00	31.0	0.60
64	25.4	1.70	27.7	1.45	28.7	1.10	66	27.1	1.45	30.6	0.95	32.6	0.60
62	26.8	1.40	29.1	1.20	30.2	1.05	64	28.9	1.30	32.3	0.90	34.1	0.60
60	28.3	1.10	30.4	1.00	31.4	0.90	62	30.5	1.10	34.0	0.90	35.5	0.60
58	29.7	0.85	31.7	0.75	32.6	0.75	60	32.1	0.85	35.4	0.75	37.0	0.55
56	31.1	0.75	33.0	0.55	33.8	0.55	58	33.6	0.65	36.9	0.55	38.4	0.55
Critical boom angle	44°					Critical boom angle			57	7 °			
Standard hook	For 4 5 ton					Standard hook	For 4.5 ton						
Hook mass	120ka					Hook mass	120kg						
Parts of line			1	1			Parts of line			,	1		

771-75104000

43m Boom + 9.2m Jib

43m Boom + 15m Jib

(Unit: Metric ton)

		(Office Wiether Corr)											
	Outriggers intermediately extended without front jack - 360° full range Outriggers fully extended without front jack - over front												
		43m Bo	om + 9.2	m Jib					43m B	oom + 15	m Jib		
Boom	Offse	et 5°	Offset	t 25°	Offset	t 45°	Boom	Offse	et 5°	Offse	t 25°	Offse	t 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)
81	10.3	3.50	13.3	2.50	15.0	1.35	81	12.0	2.50	16.5	1.30	19.8	0.75
80	11.3	3.50	14.2	2.50	15.8	1.35	80	13.1	2.50	17.5	1.30	20.6	0.75
79	12.3	3.50	15.1	2.40	16.7	1.35	79	14.3	2.40	18.5	1.25	21.4	0.70
78	13.0	2.75	15.9	2.15	17.6	1.30	<i>78</i>	15.2	2.20	19.5	1.25	22.2	0.70
77	13.9	2.40	16.7	1.90	18.4	1.30	77	16.1	1.90	20.4	1.20	22.3	0.70
76	14.7	2.00	17.4	1.60	19.3	1.25							
Critical boom angle	om 75°					Critical boom angle			76	3°			
Standard hook	For 4 5 ton					Standard hook	For 4.5 ton						
Hook mass 120kg					Hook mass	120kg							
Parts of line			1	I			Parts of line				l		

(Unit: Metric ton)

Outriggers completely retracted					
(blocked on vertical cylinders) - 360° full range					
Working radius (m)	11.0m Boom				
3.0	8.00				
3.5	6.40				
4.0	5.10				
4.5	4.20				
5.0	3.40				
5.5	2.80				
6.0	2.30				
6.5	1.90				
7.0	1.60				
7.5	1.25				
8.0	1.00				
Standard hook	For 40 ton				
Hook mass	475kg				
Parts of line	10				

771-75105001

4th and 5th boom section telescoping mode

(Unit: Metric ton)

Outriggers fully extended with front jack - 360° full range Outriggers fully extended without front jack - over side and over rear							
Working radius (m)							
3.0	14.00						
3.5	14.00						
4.0	14.00	8.00					
4.5	14.00	8.00					
5.0	14.00	8.00					
6.0	13.60	8.00					
7.0	12.00	8.00					
8.0	10.70	7.30					
9.0	9.65	6.50					
10.0	8.80	5.85					
11.0	8.05	5.30					
12.0	7.45	4.85					
13.0	6.90	4.45					
14.0	6.45	4.10					
15.0	6.05	3.80					
16.0	5.70	3.50					
18.0		3.05					
20.0		2.70					
22.0	2.40						
24.0	2.15						
Critical boom angle	<u>-</u>						
Standard hook	For 20ton						
Hook mass	32	0kg					
Parts of line		4					

4th and 5th boom section telescoping mode

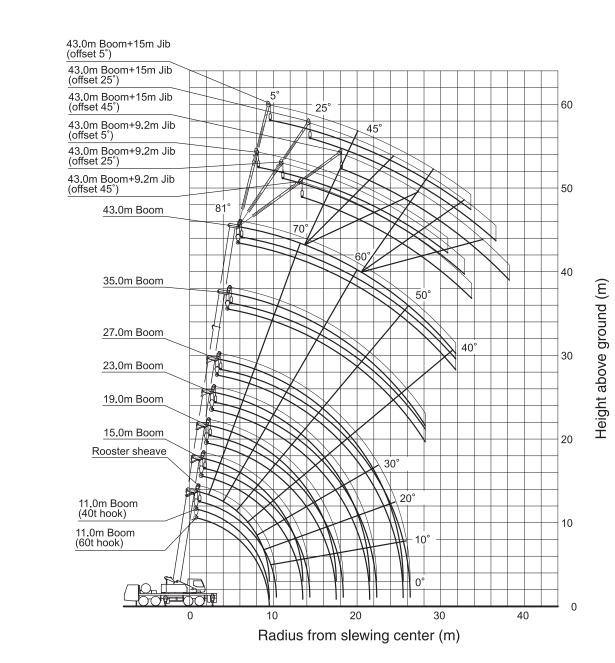
(Unit: Metric ton)

Outrigo	gers intermediately extended without front Outriggers fully extended without front ja							
Working radius (m)	Norking radius (m) 19.0m Boom 27.0m Boom							
3.0	14.00							
3.5	14.00							
4.0	14.00	8.00						
4.5	14.00	8.00						
5.0	14.00	8.00						
6.0	13.60	8.00						
7.0	11.20	8.00						
8.0	9.05	7.30						
9.0	7.45	6.50						
10.0	6.20	5.85						
11.0	5.20	5.30						
12.0	4.35	4.60						
13.0	3.70	4.00						
14.0	3.10	3.45						
15.0	2.60	3.00						
16.0	2.20	2.65						
18.0		2.00						
20.0		1.50						
22.0		1.05						
24.0		0.75						
Critical boom angle	_							
Standard hook	For 2	Oton						
Hook mass	320)kg						
Parts of line	4	<u> </u>						
71-75106000	1							

771-75106000

■Notes for the lifting capacity chart

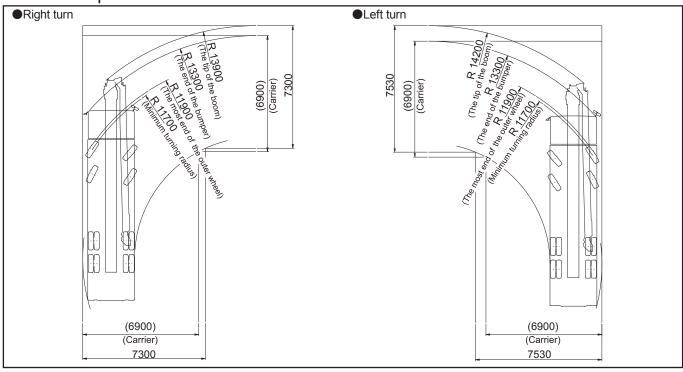
- 1. The rated lifting capacities indicate the maximum load which can be lifted by this crane provided it is standing on firm, level ground. They include the mass of the hook and all other slings etc. The capacities enclosed with bold lines are based on the structural strength of the crane.
- 2. The working radii as given in the rated 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 (43m). 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 4500kg.
 - 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, 4000kg 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 rated 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 rated lifting capacity chart. If you work with a non-number of parts of line, take 42.1kN (4.3tf) 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.
- 11. When the 4th & 5th boom sections are extended before extending the 2nd & 3nd boom sections completely, the rated lifting capacity for the special purpose shall be applied to prevent from damages on boom and extension system.



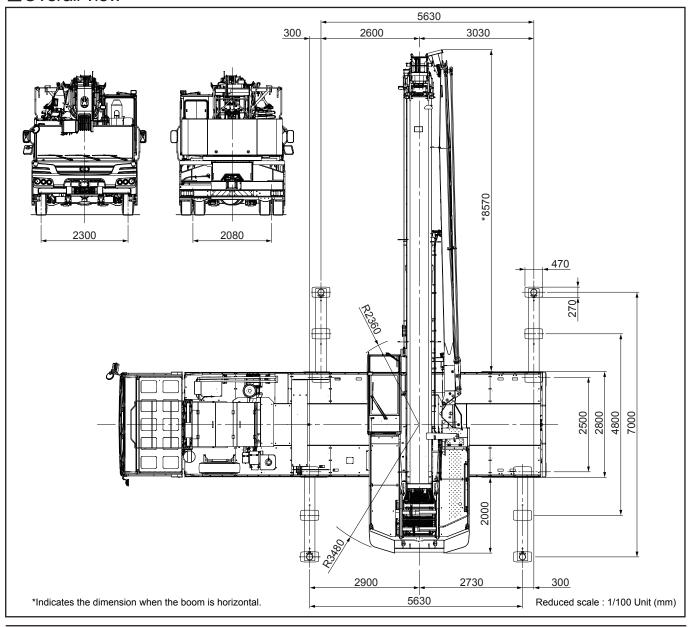
Notes:

1. Deflection of boom and jib is excluded.

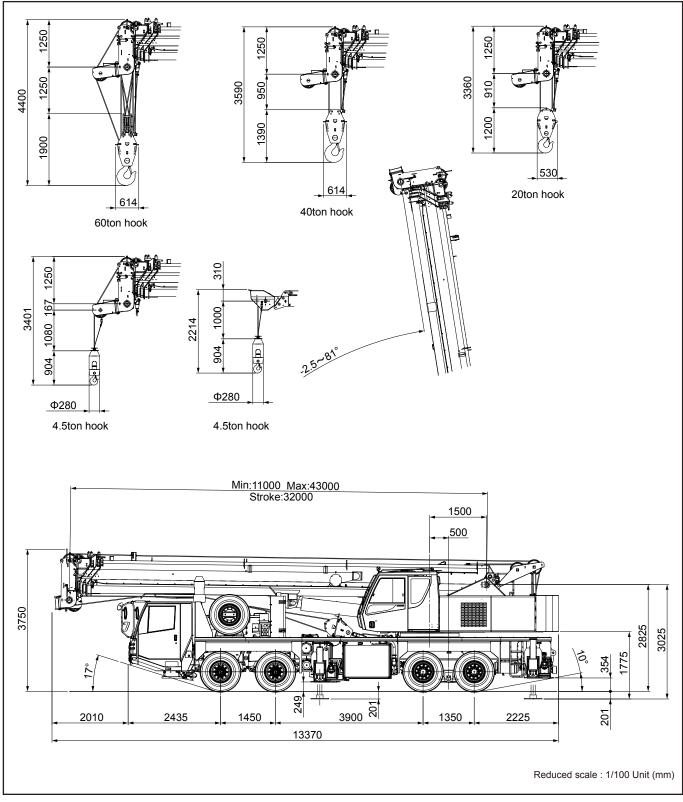
■Minimum path width •



■Overall view



■Overall view



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

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