



### [SPECIFICATION]

		Truck crane with maximum lifting capacity 60 ton						
Model		NK-600RX						
<ul> <li>Specificat</li> </ul>	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 28,000kg × 5.0 m (Parts of line : 8)						
		19.0 m Boom 28,000kg × 5.0 m (Parts of line : 8)						
Maximum rated	l lifting	23.0 m Boom 24,000kg × 6.0 m (Parts of line : 6) 27.0 m Boom 20,000kg × 7.0 m (Parts of line : 5)						
capacity	·	27.0 m Boom         20,000kg × 7.0 m (Parts of line : 5)           35.0 m Boom         14,000kg × 8.5 m (Parts of line : 4)						
		43.0 m Boom 8,000kg × 11.0 m (Parts of line : 4)						
		43.0 m Boom         8,000kg × 11.0 m (Parts of line : 4)           9.2 m Jib         3,500kg × 78° (Parts of line : 1)						
		15.0 m Jib 2,500kg × 80° (Parts of line : 1)						
		Rooster 4,500kg (Parts of line : 1)						
Boom length		11.0m — 43.0m (5-section)						
Fly jib length		9.2m, 15.0m (2-section)						
Maximum lifting	1 height	43.0m (Boom)						
		58.0m (Jib)						
Hoisting line	Main winch	114 m/min. (at 3rd layer)						
speed	Auxiliary winch	105 m/min. (at 2nd layer)						
Hoisting hook	Main winch	(Parts of line; 14) : 8.1 m/min. (at 3rd layer)						
speed	Auxiliary winch	(Parts of line; 1) : 105 m/min. (at 2nd layer)						
Boom derrickin		-2.5° — 81°						
Boom derrickin	•	$70s(-2.5^{\circ} - 81^{\circ})$						
Boom extendin	g time	170s (11.0m — 43.0m) 2.1min <sup>-1</sup>						
Slewing speed Tail slewing rad	liue	3.480mm						
Equipmen		Round-shaped, 5-section hydraulic telescopic type						
Boom type		(the 2nd and 3rd, 4th and 5th boom sections simultaneously operated)						
Jib type		2 sections (2nd section of draw-out type) (offset angles 5°, 25° and 45°)						
Boom extensio retraction equip Boom derrickin	oment	Three hydraulic cylinders and wire ropes used together One hydraulic cylinder of direct acting type with						
lowering equipr		pressure-compensated flow control valve						
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							
Hydraulic	equipme	nt						
Oil pump		4 section gear type						
Hydraulic motor	Hoisting motor	Axial plunger type						
	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							
		ACS (Automatic Crane System with voice alarm), Boom derricking / telescoping holding valve, Overhoist prevention device, Drum lock device, Winch holding valve, Winch drum roller, Hydraulic safety valves, Outrigger lock pins, Joystick control safety stop system, Slewing lock						
Standard	equipmer	nt						
		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	quipmen	t						
	1-	Winch drum mirror (hoist mirror), Yellow rev. light, Cab heater,						

	ER						
Maker		KATO					
Model		KT4060L, KT4060R					
<ul> <li>Specificat</li> </ul>	ion						
Maximum trave	ling speed	75km/h					
Grade ability (ta	anθ)	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					
	Front	2,300mm					
Treads	Rear	2,080mm					
	Туре	Hydraulic H-beam type (with float and vertical cylinder in single uni					
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7,000mm (Fully extended)					
Outriggers	Extension	4,800mm (Intermediately extended)					
	width	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					
Piston displace Max. power	ment						
	ment	12.913L					
Max. power Max. torque		12.913L 302kW / 1,800min <sup>-1</sup>					
Max. power Max. torque	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used					
Max. power Max. torque * NOTE : Diese	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used					
Max. power Max. torque * NOTE : Diese ●Equipmen	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used ucture 8×4					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jcture 8×4 Single dry plate, hydraulic control with air booster					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jcture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch	eds	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jcture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission	el Fuel recor	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Joture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe	el Fuel recor It and stru eds Front Rear	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Joture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe	eds Front Front Front	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles	eds Front Rear Front Rear	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles	eds Front Rear Front Rear Service	12.913L         302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used         Jotture         8×4         Single dry plate, hydraulic control with air booster         Manual transmission type         6 forward & 1 reverse speed         Reverse "ELLIOT" type         Full floating type         Leaf springs with shock absorber         Equalizer beams & torque rods         2 circuit air brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension	eds Front Rear Front Rear Service Front axles	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles	eds Front Rear Front Rear Service Front axles Rear axles	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension	eds Front Rear Front Rear Service Front axles Rear axles Parking	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Jocture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake Steering Tire size	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear (dual tire)	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster 315 / 80R22.5 156 / 150K					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake Steering Tire size Fuel tank capa	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear (dual tire) city	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster 315 / 80R22.5 156 / 150K 370 L					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake Steering Tire size Fuel tank capa	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear (dual tire) city	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used Icture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster 315 / 80R22.5 156 / 150K 315 / 80R22.5 156 / 150K 370 L 2 persons					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake Steering Tire size Fuel tank capa Seating capaci Battery	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear (dual tire) city	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster 315 / 80R22.5 156 / 150K 315 / 80R22.5 156 / 150K 370 L 2 persons 12V - 145G51 × 2					
Max. power Max. torque * NOTE : Diese • Equipmen Drive system Clutch Transmission Number of spe Axles Suspension Brake Steering Tire size Fuel tank capa	eds Front Rear Front Rear Service Front axles Rear axles Parking Auxiliary Type Front Rear (dual tire) city	12.913L 302kW / 1,800min <sup>-1</sup> 1863N • m / 1,100min <sup>-1</sup> mmended by KATO must be used acture 8 × 4 Single dry plate, hydraulic control with air booster Manual transmission type 6 forward & 1 reverse speed Reverse "ELLIOT" type Full floating type Leaf springs with shock absorber Equalizer beams & torque rods 2 circuit air brake Disk brake Drum brake Spring loaded brake Engine retarder brake Ball nut type with power booster 315 / 80R22.5 156 / 150K 315 / 80R22.5 156 / 150K 370 L 2 persons 12V - 145G51 × 2					

Stow the nooks 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)

### LIFTING CAPACITY

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

# 11.0m — 43.0m Boom

							(Unit: I	Metric ton)
	0	utriggers fu	lly extended	with front ja	ck - 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							220	100
angle			-	_			33°	40°
Standard hook	For 60ton		For 4	10ton		For 20ton		
Hook mass	615kg		47	5kg		320kg		
Parts of line	14	10	8	8	6	5	4	4

#### 771-75103000

#### (Unit: Metric ton)

	Outriggers in	termediatelv	extended wit	hout front iac	k - 360° full	range	
				ut front jack		- <b>J</b> -	
	11.0m	15.0m	19.0m	23.0m	27.0m	35.0m	43.0m
Working radius (m)	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: Me	etric ton)
							th front jack						
	43m Boom + 9.2m Jib 43m Boom + 15m Jib												
Boom	Offse	et 5°	Offse	t 25°	Offset	t 45°	Boom	Offse	Offset 5°		t 25°	Offset 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	55°						Critical boom angle	57°					
Standard hook	For 4 5 ton					Standard hook	For 4.5 ton						
Hook mass	120kg					Hook mass	120kg						
Parts of line							Parts of line				1		

771-75104000

# 43m Boom + 9.2m Jib

### 43m Boom + 15m Jib

												(Unit: Me	etric ton)	
			00		,		d without fro thout front	,		0				
		43m Bo	om + 9.2	m Jib					43m B	oom + 15	m Jib			
Boom	Offse	t 5°	Offset	t 25°	Offse	t 45°	Boom	Offse	et 5°	Offset	t 25°	Offset	Offset 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	78	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		75°					Critical boom angle			76	5°			
Standard hook	Eor 4 5 ton					Standard hook	For 4.5 ton							
Hook mass	120kg					Hook mass			120	)kg				
Parts of line			1	I			Parts of line			1	l			

	(Unit: Metric ton)
Outriggers	completely retracted
(blocked on vertic	al 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)

	Dutriggers fully extended with front jack gers fully extended without front jack - c						
	<u>, , , , , , , , , , , , , , , , , , , </u>						
Working 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	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							
Standard hook	For 20ton						
Hook mass	320	Okg					
Parts of line		4					

4th and 5th boom section telescoping mode

(Unit: Metric ton)

	intermediately extended without fro triggers fully extended without from					
Working 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	Fc	or 20ton				
Hook mass	(	320kg				
Parts of line	4					
1-75106000						

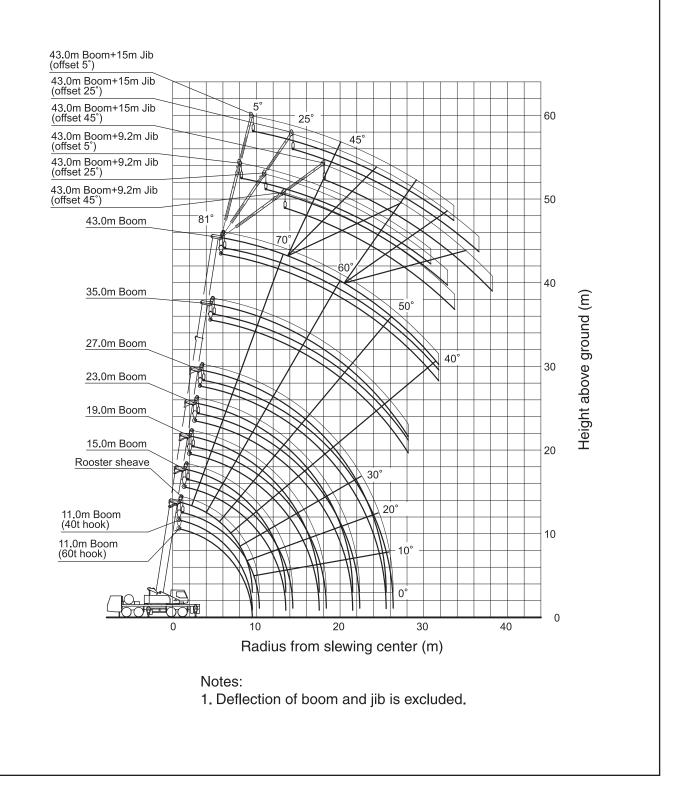
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#### Notes for the lifting capacity chart

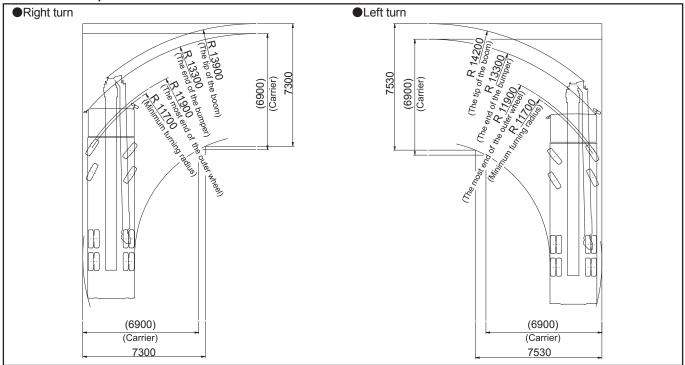
- 1. The rated lifting capacities indicate the maximum load which can be lifted by this crane provided it is standing on firm, level ground. They include the mass of the hook and all other slings etc. The capacities enclosed with bold lines are based on the structural strength of the crane.
- 2. The 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.

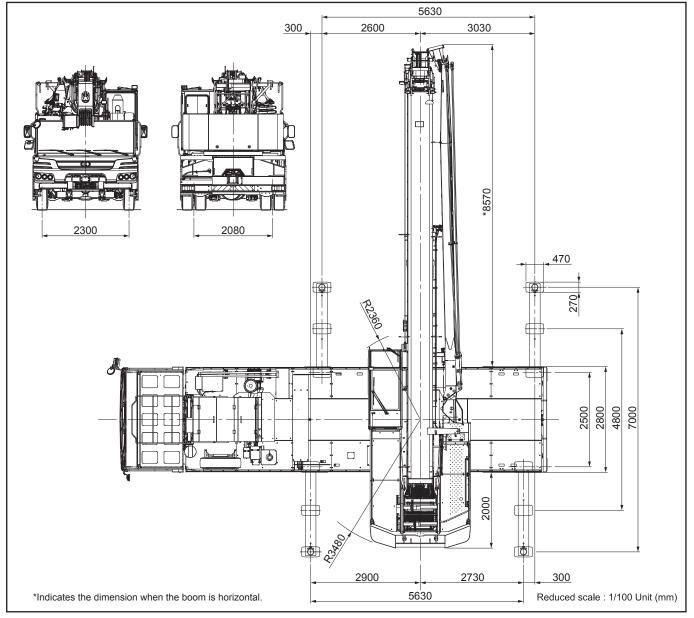
- 4. If the boom length exceeds the rated value, the rated lifting capacities for the rated boom length or for the one stage longer boom length should be referred to, and the crane should be operated within the smaller lifting capacity.
- 5. If you are working with the boom while the jib is mounted, 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.
- 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.

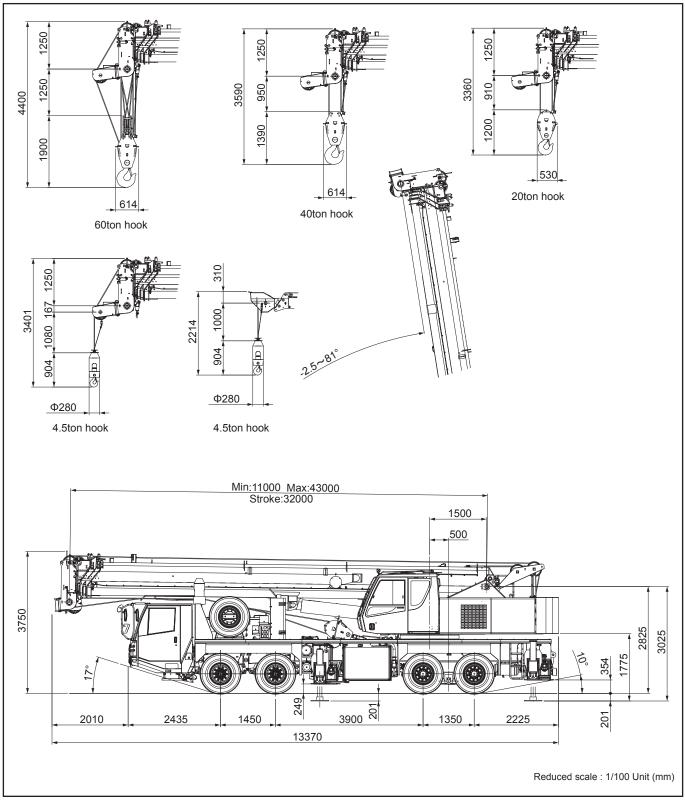


### Minimum path width



#### Overall view





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

Address inquiries to:



#### KATO WORKS CO.,LTD.

9-37, Higashi-ohi 1-chome, Shinagawa-ku, Tokyo, 140-0011, Japan Tel. : Head Office Overseas Marketing Department. Fax.: Tokyo (03) 3458-1163

Tokyo (03) 3458-1111 Tokyo (03) 3458-1115

#### KATO WORKS (THAILAND) CO., LTD.

7/488 Moo 6, Tambol Mabyangporn, Amphur Pluakdaeng, Rayong Province 21140, Thailand Tel. : 038-020-145 Fax.: 038-020-148

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