

NK-300E-v FULLY HYDRAULIC TRUCK CRANE

[SPECIFICATION]

Description		Truck crane with maximum lifting capacity 30 ton						
Model		NK-300E-v						
 Specificat 	ion							
		10.5 m Boom	30,000 kg × 3.0 m (Parts of line : 10)					
		14.2 m Boom 20,000 kg × 4.5 m (Parts of line : 8)						
Maximum rated lifting capacity		18.0 m Boom 16,000 kg × 5.0 m (Parts of line : 8)						
		21.7 m Boom 12,000 kg × 6.0 m (Parts of line : 4)						
		25.5 m Boom 11,500 kg×6.0 m (Parts of line : 4)						
		29.2 m Boom 9,000 kg × 7.0 m (Parts of line : 4)						
		33.0 m Boom 7,000 kg × 8.0 m (Parts of line : 4)						
		8.7 m Jib	3,000 kg × 76° (Parts of line : 1)					
		14.5 m Jib	2,000 kg × 77.7° (Parts of line : 1)					
		Rooster	3,000 kg (Parts of line : 1)					
Boom length		10.5 m — 33.0 m (4 section)						
Fly jib length		8.7 m — 14.5	m (2 section)					
Maximum lifting	a height	33.0 m (Boom)						
	-	47.5 m (jib)						
Hoisting line speed	Main winch	110 m / min. (at 4th layer)						
(winch up)	Auxiliary winch	95 m / min. (at 2nd layer)						
Hoisting hook speed	Main winch	(Parts of line; 10	0) : 11.0 m / min. (at 4th layer)					
(winch up)	Auxiliary winch		: 95.0 m / min. (at 2nd layer)					
Boom derricking	0 0	-3° — 80°						
Boom derrickin	-	53 s / -3° — 80°						
Boom extending	g time	110 s (10.5 m -	– 33.0 m)					
Slewing speed		2.6 min ⁻¹						
Tail slewing rad		3,395 mm						
Equipmen	t and str	1						
Boom type		Box-shaped, 4-section hydraulically telescopic type (Boom sections 3 / 4 simultaneously operated)						
Jib type		2 sections (2nd section of draw-out type, 3-step inclination type (offset angles 5°,17° and 30°))						
Boom extensior retraction equip	ment	Two hydrauric cylinders and wire ropes used together						
Boom derricking lowering equipr		One hydraulic cylinder of direct acting type with pressure-compensated flow control valve						
Winch system Main & Auxiliar	y winches	Driven by axial plunger type hoisting motor through built-in gear reduction. Controlled independently by respective operating lever. Equipped with automatic brake.						
Slewing equipm	nent	Ball bearing type						
Wire rope for	Main winch	Diameter: 16 mm×Length: 180 m						
hoisting	Auxiliary winch	Diameter: 16 mm×Length: 105 m						
Hydraulic	system							
Oil pump		4 section gear type						
Hydraulic	Hoisting motor	Axial plunger type						
motor	Slewing motor	Axial plunger type						
Control valve Cylinder		3 position 4 way double acting with integral check and relief valves. Double acting type						
Oil reservoir capacity		420 L						
 Safety dev 								
_ calory us		ACS (Automati	c crane stopper with voice alarm),					
		Boom falling pr	evention device, Overhoist prevention device, ce, Automatic winch brake, Hydraulic safety valve,					
	equipme							
Standard			Fly jib, Rooster sheave, Independent two winches control system, Irregular winding prevention device, Winch automatic brake, Hooks (30 ton, 3 ton), Full size fender, Large size steps, 3 working lights, Moment limiter with voice alarm,					
Standard		Large size steps	, 3 working lights, Moment limiter with voice alarm,					
		Large size steps Winch drum turn Cab floor mat, T	, 3 working lights, Moment limiter with voice alarm, ning indicator, Outrigger sheet, Cigar lighter, Ashtray,					
 Standard Optional e 	quipmen	Large size steps Winch drum turi Cab floor mat, T t	, 3 working lights, Moment limiter with voice alarm, ning indicator, Outrigger sheet, Cigar lighter, Ashtray,					

	ER					
Maker and mod	lel	FAW CA5320JQZ				
 Specificat 	ion					
Maximum trave		70 km/h				
Gradeability (ta		29 % (computed at G.V.W. = 30900 kg)				
Minimum turnir	ng radius	11.0 m				
(center of extreme outer tire) General dimension						
	imension					
		approx. 12,580 mm				
Overall width approx. 2,500 mm						
Overall height		approx. 3,880 mm 5,825 mm (4,475 mm+1,350 mm)				
Wheel base	_					
Treads	Front	2,071 mm				
	Rear	1,847 mm				
	Туре	Hydraulic H-beam type (with float and vertical cylinder in single unit)				
Outriggers	Extended	6,100 mm (Fully extended)				
	outriggers	4,100 mm (Intermediately extended)				
C	Gross weight	approx. 30,900 kg				
Gross machine weight	Front weight	approx. 6,950 kg				
-	Rear weight	approx. 23,950 kg				
Engine						
Model		CA6DL1-28 (EURO-II)				
Туре		4 cycle, turbo charged, direct injection water cooled, diesel				
Piston displace	ment	7.7 L				
Max. power		206 kW / 2,300 min ⁻¹				
Max. torque		1,100 N⋅m / 1,600 min ⁻¹				
Equipment	t and str	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 Emergency	Spring loaded brake 4 rear wheels, variable air operated				
	Auxiliary	Exhaust brake				
Steering	Туре	Ball nut type with power booster				
	Front	11.00R20-16 PR				
Tire size	Rear (dual tire)	11.00R20-16 PR				
Fuel tank capacity		300 L				
Seating capacity		2 persons				
Battery		(12 V — 6-QAW-180)×2				
Standard	equipme					
2 Clandid	- 40.0110	Towing hook (front and rear, eye type), Spare tire & wheel, Air dryer, Radio AM FM with cassette deck, Cigar lighter, Ashtray, Cab cooler, Cab heater				
Stow the horizontal	oks in place	e before traveling.				

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.

■RATED LIFTING CAPACITY -----

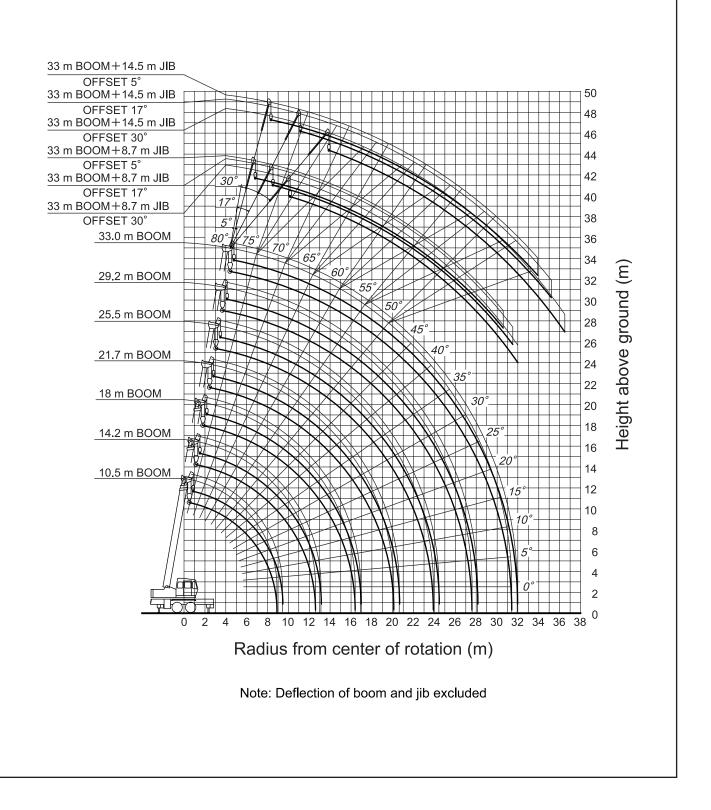
10.5 m — 33.0 m Boom

Based on ISO 4305

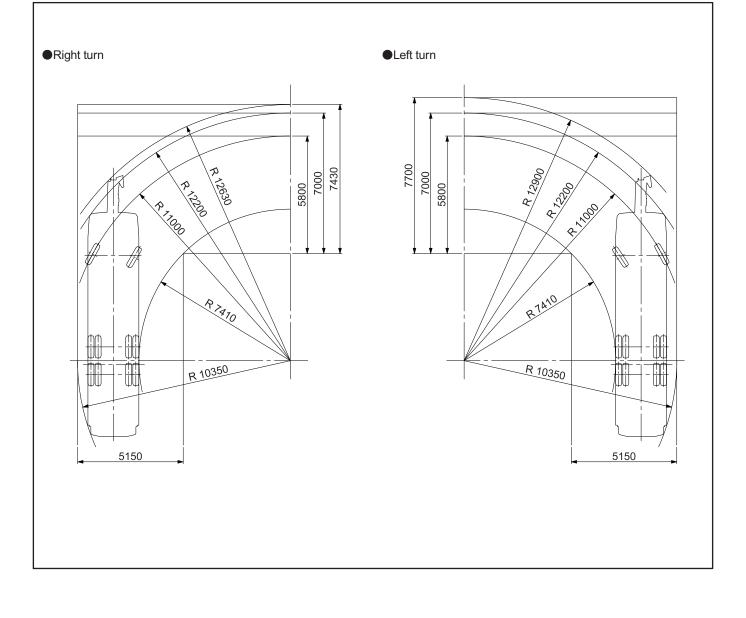
						(Ur	nit : Metric ton)
				ack - 360° fu			
					side and over		
Working	10.5 m	14.2 m	18 m	21.7 m	25.5 m	29.2 m	33 m
radius(m)	Boom	Boom	Boom	Boom	Boom	Boom	Boom
2.5	30.00	20.00	16.00				
3.0	30.00	20.00	16.00				
3.5	25.40	20.00	16.00	12.00			-
4.0	22.90	20.00	16.00	12.00	11.50		
4.5	21.00	20.00	16.00	12.00	11.50		
5.0	19.40	18.40	16.00	12.00	11.50	9.00	
6.0	16.20	15.30	13.70	12.00	11.50	9.00	7.00
7.0	13.70	12.65	11.95	11.00	10.00	9.00	7.00
8.0	11.15	10.65	10.55	10.20	8.90	8.20	7.00
8.5	10.25	9.70	9.65	9.65	8.45	7.80	6.60
9.0		8.80	8.80	9.20	8.05	7.45	6.25
10.0		7.30	7.15	7.65	7.30	6.75	5.70
12.0		5.10	4.95	5.40	5.65	5.65	4.80
12.5		4.70	4.55	5.05	5.25	5.45	4.55
13.0			4.20	4.65	4.90	5.05	4.45
14.0			3.55	4.00	4.25	4.40	4.10
16.0			2.55	2.95	3.20	3.40	3.50
18.0				2.20	2.45	2.65	2.80
20.0				1.65	1.85	2.05	2.20
22.0					1.40	1.60	1.70
24.0						1.20	1.35
26.0						0.90	1.00
27.5						0.70	0.85
29.0							0.65
31.0							0.45
Standard					1		
hook	for 30 ton						
Hook mass	300 kg						
Parts of line	10 8 4						
Critical boom angle	_	_			_	_	

(Unit	:	Metric 1	on)

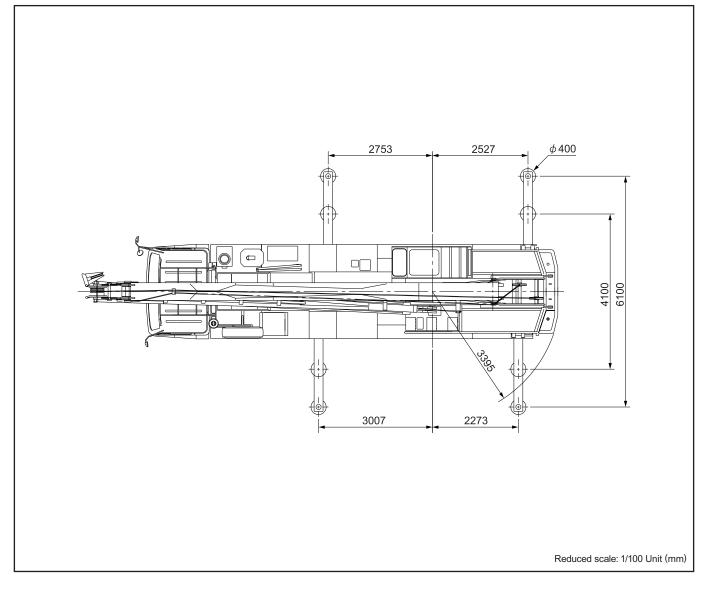
							nit : Metric ton)
		s intermediate s fully extende			ack - 360° ful front	l range	
Working	10.5 m	14.2 m	18 m	21.7 m	25.5 m	29.2 m	33 m
radius(m)	Boom	Boom	Boom	Boom	25.5 m Boom	Boom	Boom
2.5	25.00	20.00	16.00	Boom	Doom	Doom	Doom
3.0	25.00	20.00	16.00				
3.5	25.00	20.00	16.00	12.00			
4.0	25.00	20.00		12.00	11.50		
-			16.00				
4.5	17.35	16.20	16.00	12.00	11.50	0.00	
5.0	14.00	13.60	13.45	12.00	11.50	9.00	
5.5	11.60	11.40	11.20	12.00	11.50	9.00	
6.0	10.00	9.80	9.60	10.20	10.10	9.00	7.00
6.5	8.50	8.50	8.15	8.95	9.10	9.00	7.00
7.0	7.55	7.25	7.15	7.80	8.10	8.30	7.00
7.5	6.50	6.40	6.20	6.85	7.25	7.35	7.00
8.5	5.00	4.95	4.85	5.40	5.75	5.85	5.80
9.0		4.35	4.30	4.80	5.10	5.25	5.30
10.0		3.45	3.35	3.85	4.10	4.30	4.40
12.0		2.10	1.95	2.45	2.70	2.90	3.05
12.5		1.70	1.70	2.15	2.40	2.65	2.80
13.0			1.40	1.90	2.15	2.40	2.55
14.0			0.95	1.40	1.70	1.95	2.10
15.0			0.55	1.05	1.30	1.55	1.75
16.0				0.70	1.00	1.20	1.40
17.0				0.40	0.70	0.95	1.10
18.0					0.45	0.70	0.85
19.0						0.45	0.60
20.0							0.40
Standard hook	for 30 ton						
Hook mass	300 kg						
Parts of line	10	8	3	4			
Critical boom angle	_	_	_	25°	35°	42°	47°



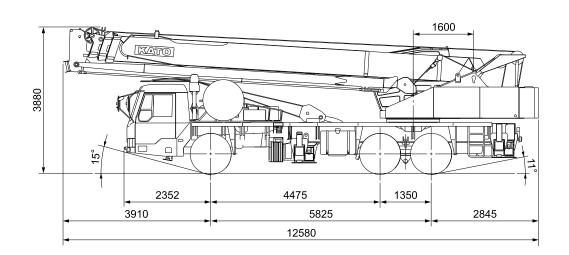
Minimum path width

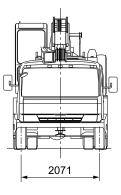


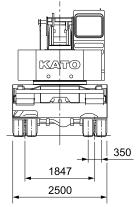




Overall view







Reduced scale: 1/100 Unit (mm)

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Address inguiries to:



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