



FULLY HYDRAULIC TRUCK CRANE

RATED LIFTING CAPACITY (1)

* BS 1757:1981 Based on * DIN 15019-2 * 75% of tipping loads NOTE: 360° full working range is available with optional front jack.

radius (m)	10.2m Boom	18.2m Boom	26.2m Boom		
2.5	20.00		The second second		
3.0	20.00				
3.5	17.50	12.00			
4.0	15.50	12.00			
4.5	13.90	12.00			
5.0	12.50	12.00	7.00		
5.5	10.70	10.50			
6.0	9,50	9.50	7.00		
6.5	8.50	8.60	7.00 7.00		
7.0	7.70	7.90			
7.5	6.95	7.25	6.50		
8.0	6.25	6.75	6.05		
8.5	5.60	6.25	5.60		
9.0		5.75	5.30		
9.5		5,35	5.00		
10.0		4.90	4.75		
11.0		4.15	4.10		
12.0		3.55	3.50		
13.0		3.10	3.00		
14.0		2.70	2.60		
15.0		2.30	2.25		
16.0		2.00	2.00		
16.5		1.85	1.80		
17.0			1.75		
18.0			1.55		
19.0			1.35		
20.0			1.20		
21.0			1.05		
22.0	0		0.90		
23.0			0.80		
24.0			0.70		
24.5			0.65		
Critical boom angle			_		

(Unit: metric ton)

BATED LIFTING CAPACITY (2)

Working radius	With intermediately extended outriggers - 360° full rar With fully extended outriggers - over front							
(m)	10.2m Boom	18.2m Boom	26.2m Boom					
2.5	20.00							
3.0	20.00							
3.5	17.50	12.00						
4.0	15.20	12.00						
4.5	11.65	12.00						
5.0	9.70	10.20	7.00					
5.5	8.00	8.60	7.00					
6.0	6.80	7.35	7.00 7.00 5.70 5.00					
6.2	6.50	7.00						
7.0	5.25	5.50						
7.5	4.55	4.80						
8.0 3.90		4.25	4.40					
8.5	3.35	3.75	3.90					
9.0		3.35	3.45					
10.0		2.65	2.80					
11.0		2.15	2.25					
12.0		1.75	1.85					
13.0		1.40	1.50					
14.0		1.10	1.20					
15.0		0.90	0.95					
16.0		0.70	0.75					
17.0			0.60					
Critical boom angle			40°					

(Unit: metric ton)

NOTE

 The rated lifting capacities indicate the maximum guaranteed load for this model operating on a firm level ground. They include the weight of hook block and other hoisting equipments. The figures in the blue areas are based on the mechanical strength of the crane.

Hook	For 20 tons	For 3 tons
Weight (Kg)	230	60

- 2) The tabulated working radii are the actual values including boom deflection under laden condition. The crane must be operated on the basis of those figures. However, the working radii shown for jib operations are based on the values obtained when the boom is fully extended (26.2m). Jib operations should be performed on the basis of boom angle only, regardless of boom length.
- 3) The rated lifting capacities for the rooster sheave are equivalent to the rated lifting capacities for the boom with an upper limit of 3,000 kg. However, when hoisting equipment, etc., is attached to the boom, the weight of the hoisting equipment (ex. hook block for rooster sheave) plus the weight of the hoisting equipment attached to the boom (ex. hook block for main boom) should be subtracted from the rated lifting capacities.
- 4) If the boom length exceeds the specified value, refer to the rated lifting capacities for the boom length and the next highest boom length. The crane should be operated within the smaller lifting capacity.

RATED LIFTING CAPACITY (1)

* BS 1757:1981 Based on * DIN 15019-2 * 75% of tipping loads NOTE: 360° full working range is available with optional front jack.

(m)	10.2m Boom	18.2m Boom	26.2m Boom		
2.5	20.00				
3.0	20.00				
3.5	17.50	12.00			
4.0	15.50	12.00			
4.5	13.90	12.00			
5.0	12.50	12.00	7.00		
5.5	10.70	10.50	7.00		
6.0	9.50	9.50	7.00		
6.5	8.50	8.60	7.00		
7.0	7.70	7.90	7.00		
7.5	6.95	7.25	6.50 6.05 5.60		
8.0	6.25	6.75			
8.5	5.60	6.25			
9.0		5.75	5.30		
9.5		5.35	5.00		
10.0		4.90	4.75 4.10		
11.0		4.15			
12.0		3.55	3.50		
13.0		3.10	3.00		
14.0		2.70	2.60		
15.0		2.30	2.25		
16.0		2.00	2.00		
16.5		1.85	1.80		
17.0			1.75		
18.0			1.55		
19.0			1.35		
20.0			1.20		
21.0			1.05		
22.0	0		0.90		
23.0	LES E-VILLE		0.80		
24.0			0.70		
24.5			0.65		
Critical boom					

(Unit: metric ton)

RATED LIFTING CAPACITY (2)

Working radius	With intermediately extended outriggers - 360° full range with fully extended outriggers - over front						
(m) 10.2m Boom		18.2m Boom	26.2m Boom				
2.5	20.00	DO THE					
3.0	20.00						
3.5	17.50	12.00					
4.0	15.20	12.00					
4.5	11.65	12.00					
5.0	9.70	10.20	7.00				
5.5	8.00	8.60	7.00				
6.0	6.80	7.35	7.00				
6.2	6.50	7.00	7.00 5.70 5.00 4.40 3.90				
7.0	5.25	5.50					
7.5	4.55	4.80					
8.0	3.90	4.25					
8.5	3.35	3.75					
9.0		3.35	3.45				
10.0		2.65	2.80				
11.0		2.15	2.25				
12.0		1.75	1.85				
13.0		1.40	1.50				
14.0		1.10	1.20				
15.0		0.90	0.95				
16.0		0.70	0.75				
17.0			0.60				
Critical boom angle	- 4		40°				

(Unit: metric ton)

NOTE

 The rated lifting capacities indicate the maximum guaranteed load for this model operating on a firm level ground. They include the weight of hook block and other hoisting equipments. The figures in the blue areas are based on the mechanical strength of the crane.

Hook	For 20 tons	For 3 tons
Weight (Kg)	230	60

- 2) The tabulated working radii are the actual values including boom deflection under laden condition. The crane must be operated on the basis of those figures. However, the working radii shown for jib operations are based on the values obtained when the boom is fully extended (26.2m). Jib operations should be performed on the basis of boom angle only, regardless of boom length.
- 3) The rated lifting capacities for the rooster sheave are equivalent to the rated lifting capacities for the boom with an upper limit of 3,000 kg. However, when hoisting equipment, etc., is attached to the boom, the weight of the hoisting equipment (ex. hook block for rooster sheave) plus the weight of the hoisting equipment attached to the boom (ex. hook block for main boom) should be subtracted from the rated lifting capacities.
- 4) If the boom length exceeds the specified value, refer to the rated lifting capacities for the boom length and the next highest boom length. The crane should be operated within the smaller lifting capacity.

SUPERSTRUCTURE SPECIFICATIONS KATO NK-200E-III FULLY HYDRAULIC TRUCK Name and Type: CRANE Performance 20.0 t x 3.5m 10.2m Boom with outriggers Crane capacity: 12.0 t x 5.0m 18.2m Boom with outriggers 7.0 t x 7.0m 26.2m Boom with outriggers 3.0 t x 13.0m 10.2m Boom $\sim 26.2m$ Boom Rooster sheave with outriggers (10.2m) 26.2m Boom+7.5m jib (offset 5°) with outriggers 2.5 t x 73.3° 1.75 t x 72.9°(11.7m) 26.2m Boom+7.5m jib (offset 17°) with outriggers (12.7m) 26.2m Boom+7.5m jib (offset 30°) with outriggers 10.2m ~ 26.2m (3 section) Boom length: Jib length: 26.0m (Boom) Max. lifting height: 34.0m (26.2m Boom+7.5 Jib Offset 5°) 110 m/min. (at the 4th layer) Main Hoisting line speed: Auxiliary hoisting line speed: 95 m/min. (at the 2nd layer) Hook hoisting speed: Main winch (parts of line: 7) 15.7 m/min. (at the 4th layer) 95.0 m/min (at the 2nd layer) 44 sec. (-3° ~ 80°) -3° ~ 80° Auxiliary winch (part of line: 1) Boom derricking time: Boom derricking angle Slewing speed: 3.0 r.p.m Hydraulic System Hydraulic pump: 3 section gear type Hoisting motor: Axial plunger type Axial plunger type Slewing motor Double acting type Control valve: 3 position 4 way double acting with integral check and relief valves Oil reservoir capacity: 310 lit.

Superstructure						
Hoisting mechanism:	Hydraulic motor-driven, gear reduction type (automatic brake system) single winch					
	x 2					
Slewing mechanism:	Ball bearing type					
Boom derricking mechanism:	Direct-acting cylinder type					
Outrigger system:	Hydraulic, vertically supporting with float and vertical cylinder in single unit					
Front jack (option):	Hydraulic, vertically supporting with float and vertical cylinder in single unit					
Hoisting Ropes						
M. T	A Ela 1 40\ (Nan retating tune)					

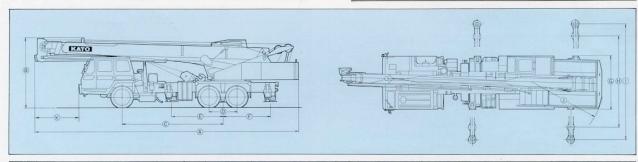
Type:	4 x F(a + 40) (Non-rotating type)
Diameter:	16 mmφ
Length:	170m
Type:	4 x F (a + 40) (Non-rotating type)
Diameter:	16 mmφ
Length:	90 m
	All steel welded construction
	Diameter: Length: Type: Diameter:

Safety Devices

ACS (Automatic Crane Stopper)
Digital display of seven factors:
Safety level, boom angle, working
redius, boom length, critical load,
actual load, maximum hook lift
Boom falling safety device
Over hoist prevention device
Drum lock device
Automatic winch brake
Irregular winding prevention device
Hydraulic safety valve
Outrigger lock device
Slewing lock device

Option

2 section fly jib (7.5m-12m) Oil cooler, Front jack, Voice alarm device for ACS, Heater, fan and radio for crane cabin



Carrier name and model	А	В	С	D	E	F	G	н	1	J	К
MITSUBISHI K203BLA	12,130	3,300	4,700	1,300	2,400	2,200	2,500	3,800	5,600	3,215	2,000
NISSAN DIESEL KW30MXL	12,130	3,300	3,950	1,300	2,450	2,100	2,500	3,800	5,600	3,215	2,000

(Unit:mm)

