

RTAMA CRANE & ENGINEERING SDN/BHD

KATO

NK-550VR

FULLY HYDRAULIC TRUCK CRANE

Maximum rated lifting capacity: 55t × 3.0m

Maximum boom length: 43.0m

Engine output: 258kW / 2,100min⁻¹ (ISO Net)



RATED LIFTING CAPACITY

Based on ISO 4305

11.0 m — 43.0 m Boom

(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)	11.0m Boom	11.0m Boom	15.0m Boom	19.0m Boom	23.0m Boom	27.0m Boom	35.0m Boom	43.0m Boom	
3.0	55.00	40.00	28.00	28.00	24.00				
3.5	43.70	40.00	28.00	28.00	24.00				
4.0	38.50	38.50	28.00	28.00	24.00	20.00			
4.5	34.20	34.20	28.00	28.00	24.00	20.00			
5.0	30.80	30.80	28.00	28.00	24.00	20.00			
5.5	27.80	27.80	27.40	27.20	24.00	20.00	14.00		
6.0	25.40	25.40	25.00	24.80	24.00	20.00	14.00		
6.5	23.20	23.20	22.80	22.60	22.50	20.00	14.00	8.00	
7.0	21.40	21.40	21.00	20.80	20.60	19.60	14.00	8.00	
7.5	19.70	19.70	19.30	19.10	19.00	18.00	14.00	8.00	
8.0	17.90	17.90	17.75	17.50	17.30	17.25	14.00	8.00	
8.5	16.20	16.20	15.90	15.70	15.50	15.45	13.80	8.00	
9.0	14.60	14.60	14.40	14.15	14.00	13.90	13.60	8.00	
10.0			11.90	11.65	11.50	11.45	12.30	8.00	
11.0			10.00	9.75	9.60	9.50	10.40	7.80	
12.0			8.40	8.15	8.10	8.00	8.85	7.10	
13.0			7.15	6.90	6.80	6.75	7.55	6.65	
14.0				5.90	5.80	5.75	6.50	6.15	
16.0				4.30	4.20	4.10	4.95	5.35	
18.0					3.00	2.95	3.75	4.20	
20.0					2.10	2.05	2.80	3.30	
22.0						1.30	2.10	2.55	
24.0						0.75	1.50	2.00	
26.0							1.05	1.50	
28.0							0.65	1.05	
30.0								0.70	
31.0								0.50	
Standard hook	for 40 ton + sub hook sheave	for 40 ton				for 20 ton			
Hook mass	450 + 150 kg	450 kg				320 kg			
Parts of line	14	10	8	8	6	5	4	4	
Critical boom angle	—	—	—	—	—	—	33°	40°	

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43 m Boom + 9.2 m Jib

43 m Boom + 15 m Jib

(Unit : Metric ton)

Outriggers fully extended with front jack - 360° full range													
Outriggers fully extended without front jack - over side and over rear													
43m Boom + 9.2m Jib							43m Boom + 15m Jib						
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Boom angle (°)	Offset 5°		Offset 25°		Offset 45°	
	Working radius (m)	Load (t)	Working radius (m)	Load (t)	Working radius (m)	Load (t)		Working radius (m)	Load (t)	Working radius (m)	Load (t)	Working radius (m)	Load (t)
81.0	10.00	3.50	12.75	2.30	14.60	1.25	81.0	11.75	2.50	16.20	1.20	19.40	0.70
80.0	11.05	3.50	13.70	2.30	15.45	1.25	80.0	12.95	2.50	17.20	1.20	20.35	0.69
79.0	12.05	3.48	14.65	2.30	16.30	1.24	79.0	14.10	2.49	18.15	1.19	21.25	0.69
78.0	13.00	3.40	15.60	2.25	17.20	1.23	78.0	15.10	2.45	19.10	1.17	22.15	0.68
77.0	13.90	3.23	16.50	2.19	18.05	1.21	77.0	16.20	2.30	20.10	1.15	23.05	0.67
76.0	14.85	3.04	17.40	2.12	18.90	1.19	76.0	17.25	2.17	21.10	1.12	24.00	0.67
75.0	15.75	2.90	18.25	2.06	19.75	1.17	75.0	18.25	2.06	22.15	1.10	24.85	0.65
74.0	16.70	2.75	19.15	1.99	20.55	1.16	74.0	19.20	1.95	23.15	1.07	25.70	0.64
72.0	18.50	2.49	20.90	1.85	22.25	1.12	72.0	21.10	1.76	25.05	1.02	27.45	0.62
70.0	20.15	2.28	22.60	1.73	23.90	1.09	70.0	23.00	1.59	26.80	0.97	29.10	0.61
68.0	21.85	2.09	24.20	1.62	25.40	1.06	68.0	24.90	1.47	28.60	0.93	30.65	0.59
66.0	23.55	1.91	25.80	1.53	26.85	1.04	66.0	26.75	1.35	30.30	0.90	32.25	0.58
64.0	25.05	1.68	27.40	1.43	28.35	1.02	64.0	28.60	1.24	32.00	0.87	33.80	0.57
62.0	26.55	1.41	28.85	1.24	29.85	1.00	62.0	30.40	1.10	33.70	0.84	35.30	0.56
60.0	28.00	1.13	30.20	1.00	31.15	0.85	60.0	32.00	0.87	35.25	0.72	36.75	0.55
59.0	28.75	1.00	30.85	0.89	31.80	0.77	59.0	32.80	0.76	36.00	0.66	37.45	0.55
58.0	29.45	0.86	31.50	0.77	32.45	0.69	58.0	33.60	0.64	36.60	0.58	38.20	0.54
57.0	30.20	0.73	32.20	0.66	33.05	0.61							
56.0	30.85	0.63	32.85	0.56	33.70	0.53							
Standard hook	for 4 ton						Standard hook	for 4 ton					
Hook mass	120 kg						Hook mass	120 kg					
Parts of line	1						Parts of line	1					
Critical boom angle	55°						Critical boom angle	57°					

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