

# KATO NK- 200H-v HYDRAULIC CRANE

## CHART 1

TOTAL RATED LOAD IN KILOGRAMS

OUTRIGGERS FULLY EXTENDED WITH FRONT JACK DOWN(360°) OUTRIGGERS FULLY EXTENDED WITHOUT FRONT (OVER REAR & SIDE)							
A B(m)	10.0m	13.5m	17.0m	20.5m	24.0m	27.5m	31.0m
*0.4	25,000						
2.5	20,000	17,500	14,500				
3.0	20,000	17,500	14,500	9,500			
3.5	20,000	17,500	14,500	9,500	7,500		
4.0	18,000	17,500	14,500	9,500	7,500	6,500	
4.5	16,300	15,800	14,500	9,500	7,500	6,500	
5.0	14,850	14,400	13,250	9,500	7,500	6,500	6,000
5.5	13,650	13,250	12,200	9,500	7,500	6,500	6,000
6.0	12,300	12,200	11,300	9,500	7,500	6,500	6,000
6.5	11,200	11,100	10,500	9,500	7,500	6,500	6,000
7.0	10,250	10,000	9,800	8,850	7,500	6,500	6,000
7.5	9,400	9,200	9,100	8,350	7,500	6,500	6,000
8.0	8,650	8,450	8,350	7,900	7,050	6,150	5,650
8.3	8,250	8,050	7,950	7,550	6,850	6,000	5,450
9.0		7,200	7,100	7,000	6,300	5,500	5,050
9.5		6,650	6,550	6,650	6,000	5,300	4,800
10.0		6,100	6,050	6,350	5,700	5,100	4,600
11.0		5,000	5,000	5,300	5,150	4,600	4,200
11.8		4,300	4,300	4,650	4,750	4,300	3,950
12.0			4,150	4,500	4,650	4,200	3,900
14.0			3,000	3,300	3,450	3,600	3,350
15.3			2,400	2,750	2,900	3,000	3,000
16.0				2,450	2,600	2,750	2,850
18.0				1,850	2,050	2,150	2,300
18.8				1,600	1,850	1,950	2,100
20.0					1,550	1,700	1,800
22.0					1,150	1,300	1,400
22.3					1,050	1,250	1,350
24.0						1,000	1,000
25.8						750	800
28.0							550
29.3							450

A. Boom Length

B. Working Radius (m)

### Notes:

- These capacities are based on condition that the crane is set on firm ground horizontally. Those above bold lines are based on crane strength and those below, on it's stability.
- Total rated loads below bold lines do not exceed 75% of tipping load.
- The total rated loads shown are based on the actual working radius which includes any deflection of the boom.
- Jib operations are to be related to the working radius while the jib is attached to 31m of boom. For boom lengths other than 31m, jib operation must be related only to the angle of the boom.
- When the length of the boom is shown beyond the prescribed capacity, operate according to the lesser capacity shown on the load rating chart.
- The boom length must not be reduced to less than the number of degrees set out in the following table. In the event of such a reduction the crane will tip.

	17m boom	20.5m boom	24m boom	27m boom	31m boom	31m boom + 8m offset 5,17,30
Outrigger Fully Extended						30°
Outriggers at medium extension	25°	38°	44°	48°	52°	60°

- The weight of the hook (230kg for 20,000kg capacity, 60kg for 3,000kg capacity), slings and all similarly used load handling devices must be added to the weight of the load.
- Standard number of part lines for each boom length are as shown below. Load per line should not surpass 3,000kg.

Boom Length	10.0m	13.5m	17.0m	20.5m	24.0m	27.5m	31.0m	single top
No. of part lines	7	7	7	4	4	4	4	1

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## CHART 3

TOTAL RATED LOAD IN KILOGRAMS

OUTRIGGERS FULLY EXTENDED WITH FRONT JACK DOWN (360°) OUTRIGGERS FULLY EXTENDED WITHOUT FRONT JACK (OVER REAR & SIDE)						
31m BOOM + 8m JIB						
BOOM JIB LENGTH	5°		17°		30°	
JIB OFFSET	WORKING RADIUS (m)	PERMITTED LOAD (kg)	WORKING RADIUS (m)	PERMITTED LOAD (kg)	WORKING RADIUS (m)	PERMITTED LOAD (kg)
80	7.70	2,750	9.35	1,950	10.40	1,350
78.4	10.10	2,750	11.50	1,950	12.35	1,350
78	10.50	2,750	11.80	1,920	13.00	1,350
75	11.20	2,750	12.40	1,880	13.70	1,340
70	14.40	2,280	15.70	1,530	16.80	1,300
65	17.60	2,000	18.70	1,330	19.75	1,250
60	20.40	1,620	21.50	1,180	22.60	1,190
55	23.00	1,320	24.10	1,040	25.10	980
50	25.40	980	26.50	920	27.30	830
45	27.80	680	28.70	840	29.30	620
40	29.90	450	30.70	420	31.10	420
37	31.00	340	31.70	320	32.00	330

# Sergi Cranes

UNIT NO: 31

SIZE: KATO 20T

HEIGHT: 3350mm

