

KATO NK-200H-v

ALL TERRAIN SLEWING MOBILE CRANE · RATED CAPACITY CHARTS · CASTLE CRANES FLEET

20 T

MAX CAPACITY

MAX CAPACITY
20 t @ 2.5 m

MAX BOOM
31 m

MAX RADIUS
29.3 m

FLY JIB
8 m

MAX JIB RADIUS
32 m

HOIST ROPE
14 mm · 65 m

CHART REF
772-74001001

FOR REFERENCE ONLY. All rated loads in metric tonnes on firm level ground. Weight of hook blocks, slings and other load handling devices must be deducted from rated capacity. SWL above bold red line is structural. Lift & carry: carry with minimum boom length, as close to the ground as possible at speeds not exceeding 2 km/h. The crane's on-board LMI system is always the definitive reference.

CHART 1 – MAXIMUM OUTRIGGER EXTENSION + FRONT JACK · 360° FULL SLEWING RANGE & MAXIMUM OUTRIGGER EXTENSION (SIDE & REAR)

Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
2.5	20.00	17.50	14.50	—	—	—	—
3.0	20.00	17.50	14.50	9.50	—	—	—
3.5	20.00	17.50	14.50	9.50	7.50	—	—
4.0	18.00	17.50	14.50	9.50	7.50	6.50	—
4.5	16.30	15.80	14.50	9.50	7.50	6.50	—
5.0	14.85	14.40	13.25	9.50	7.50	6.50	6.00
5.5	13.65	13.25	12.20	9.50	7.50	6.50	6.00
6.0	12.30	12.20	11.30	9.50	7.50	6.50	6.00
6.5	11.20	11.10	10.50	9.50	7.50	6.50	6.00
7.0	10.25	10.00	9.80	8.85	7.50	6.50	6.00
7.5	9.40	9.20	9.10	8.35	7.50	6.50	6.00

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MAX CAPACITY 20 t @ 2.5 m	MAX BOOM 31 m	MAX RADIUS 29.3 m	FLY JIB 8 m	MAX JIB RADIUS 32 m	HOIST ROPE 14 mm · 65 m	CHART REF 772-74001001
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Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
8.0	8.65	8.45	8.35	7.90	7.05	6.15	5.65
8.3	8.25	8.05	7.95	7.55	6.85	6.00	5.45
9.0	—	7.20	7.10	7.00	6.30	5.55	5.05
9.5	—	6.65	6.55	6.65	6.00	5.30	4.80
10.0	—	6.10	6.05	6.35	5.70	5.10	4.60
11.0	—	5.00	5.00	5.30	5.15	4.60	4.20
11.8	—	4.30	4.30	4.65	4.75	4.30	3.95
12.0	—	—	4.15	4.50	4.65	4.20	3.90
14.0	—	—	3.00	3.30	3.45	3.60	3.35
15.3	—	—	2.40	2.75	2.90	3.00	3.00
16.0	—	—	—	2.45	2.60	2.75	2.85
18.0	—	—	—	1.85	2.05	2.15	2.30
18.8	—	—	—	1.60	1.85	1.95	2.10
20.0	—	—	—	—	1.55	1.70	1.80

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Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
22.0	—	—	—	—	1.15	1.30	1.40
22.3	—	—	—	—	1.05	1.25	1.35
24.0	—	—	—	—	—	1.00	1.00
25.8	—	—	—	—	—	0.75	0.80
28.0	—	—	—	—	—	0.55	0.55
29.3	—	—	—	—	—	—	0.45

CHART 2 — MEDIUM OUTRIGGER EXTENSION · 360° FULL SLEWING RANGE & MAXIMUM OUTRIGGER EXTENSION (FRONT)

Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
2.5	20.00	17.50	14.50	—	—	—	—
3.0	20.00	17.50	14.50	9.50	—	—	—
3.5	17.50	17.50	14.50	9.50	7.50	—	—

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Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
4.0	15.00	14.90	14.50	9.50	7.50	6.50	—
4.5	12.75	12.45	12.00	9.50	7.50	6.50	—
5.0	9.95	9.70	9.45	9.50	7.50	6.50	6.00
5.5	8.05	7.80	7.60	7.90	7.50	6.50	6.00
6.0	6.65	6.45	6.25	6.70	6.70	6.50	6.00
6.5	5.60	5.40	5.20	5.65	5.90	5.85	6.00
7.0	4.75	4.55	4.40	4.80	5.05	5.25	5.40
8.3	3.20	3.10	2.95	3.30	3.55	3.70	3.80
9.0	—	2.55	2.35	2.75	2.95	3.15	3.25
10.0	—	1.85	1.65	2.10	2.30	2.50	2.55
11.0	—	1.30	1.15	1.50	1.80	2.00	2.05
11.8	—	0.95	0.80	1.15	1.40	1.60	1.07
12.5	—	—	0.45	0.90	1.15	1.35	1.45
14.0	—	—	—	0.45	0.70	0.85	0.95

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20 t @ 2.5 m	31 m	29.3 m	8 m	32 m	14 mm · 65 m	772-74001001

Radius (m)	10 m	13.5 m	17 m	20.5 m	24 m	27.5 m	31 m
15.0	—	—	—	—	0.40	0.60	0.70
16.0	—	—	—	—	—	0.40	0.50
16.5	—	—	—	—	—	—	0.40

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FLY JIB CHARTS – 31 M BOOM + 8 M JIB · RATED CAPACITY (METRIC TONNES)

CHART 3 – MAXIMUM OUTRIGGER EXTENSION + FRONT JACK (360°) & MAXIMUM OUTRIGGER EXTENSION (SIDE AND REAR)

Boom Angle °	5° Jib Offset		17° Jib Offset		30° Jib Offset	
	Radius (m)	Weight (t)	Radius (m)	Weight (t)	Radius (m)	Weight (t)
80°	7.70	2.75	9.35	1.95	10.40	1.35
76.4°	10.10	2.75	11.50	1.95	12.35	1.35
76°	10.50	2.75	11.80	1.92	13.00	1.35
75°	11.20	2.75	12.40	1.89	13.70	1.34
70°	14.40	2.28	15.70	1.53	16.80	1.30
65°	17.60	2.00	18.70	1.33	19.75	1.25
60°	20.40	1.62	21.50	1.16	22.60	1.19
55°	23.00	1.32	24.10	1.04	25.10	0.98
50°	25.40	0.98	26.50	0.92	27.30	0.83

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Boom Angle °	5° Jib Offset		17° Jib Offset		30° Jib Offset	
	Radius (m)	Weight (t)	Radius (m)	Weight (t)	Radius (m)	Weight (t)
45°	27.80	0.68	28.70	0.64	29.30	0.62
40°	29.90	0.45	30.70	0.42	31.10	0.42
37°	31.00	0.34	31.70	0.32	32.00	0.33

CHART 4 – MEDIUM OUTRIGGER EXTENSION & MAXIMUM OUTRIGGER EXTENSION (FRONT ONLY)

Boom Angle °	5° Jib Offset		17° Jib Offset		30° Jib Offset	
	Radius (m)	Weight (t)	Radius (m)	Weight (t)	Radius (m)	Weight (t)
80°	7.70	2.75	9.35	1.95	10.40	1.35
76.4°	10.10	2.75	11.50	1.95	12.35	1.35
76°	10.50	2.60	11.80	1.92	13.00	1.35
75.5°	10.80	2.50	12.10	1.91	13.40	1.35
72°	12.90	1.69	14.20	1.51	15.50	1.32

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Boom Angle °	5° Jib Offset		17° Jib Offset		30° Jib Offset	
	Radius (m)	Weight (t)	Radius (m)	Weight (t)	Radius (m)	Weight (t)
70°	14.00	1.34	15.40	1.15	16.60	1.04
65°	16.80	0.64	18.20	0.56	19.30	0.51
62°	18.40	0.35	19.40	0.36	—	—