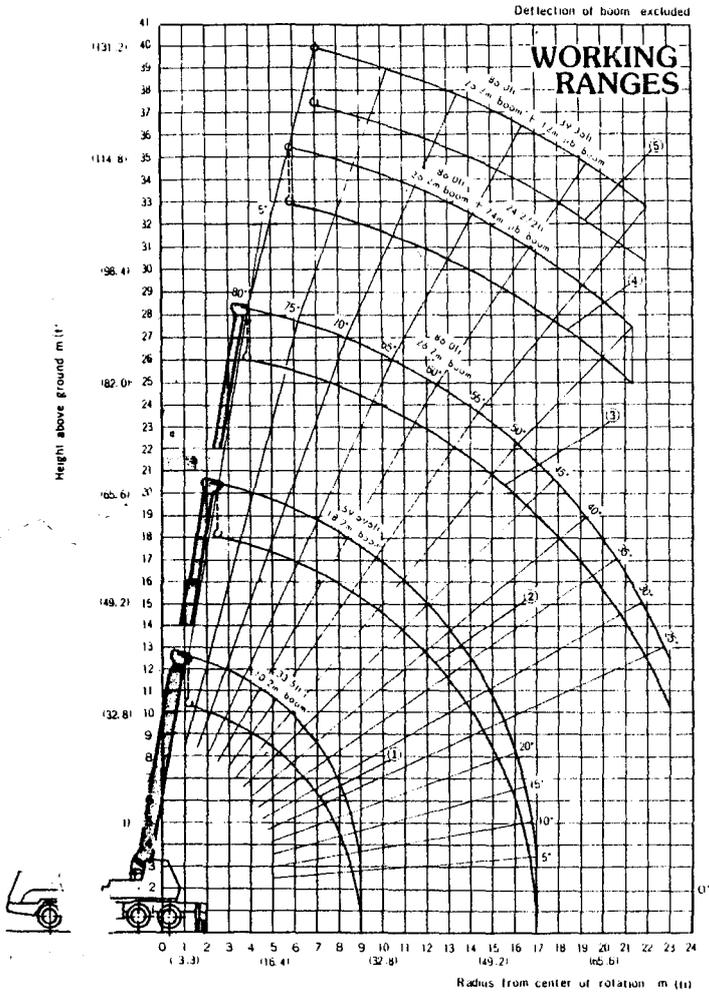


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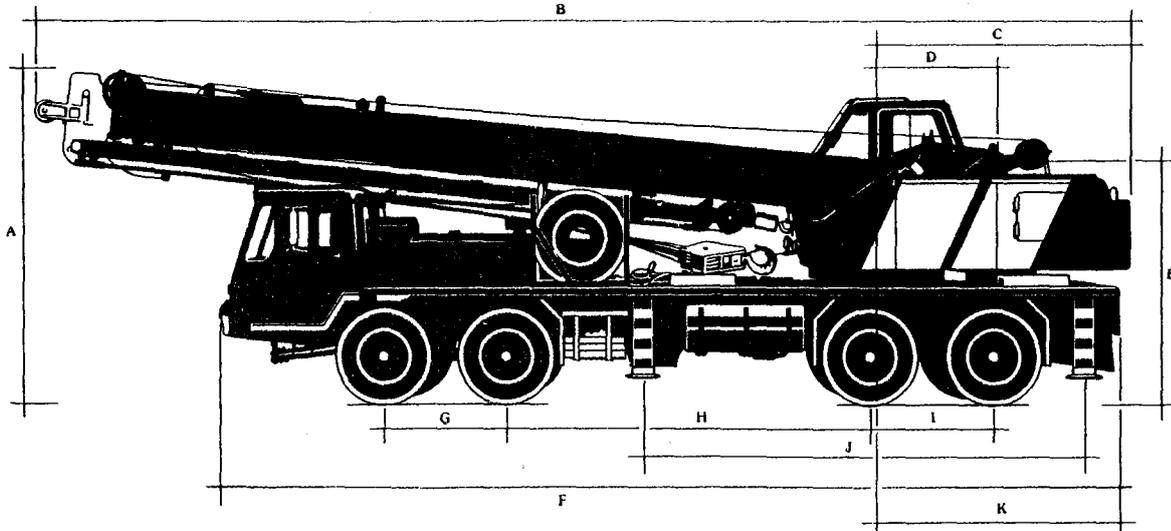
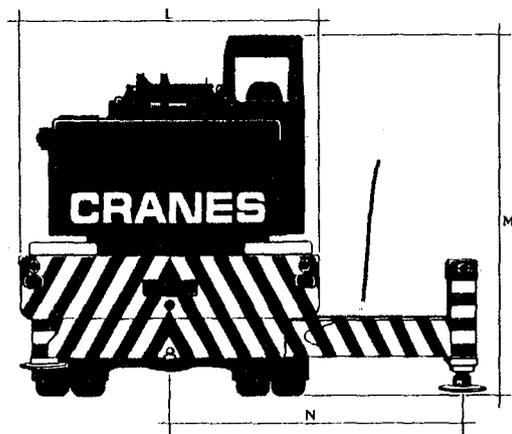
KATO N.K. 20B – 20 TONNE CAPACITY TRUCK-MOUNTED HYDRAULIC MOBILE CRANE

Authorised CI/SfB Reference
(B3q)
JUNE 1983



1. 10.2m (33.5 ft) boom lifting height
2. 18.2m (59.7 ft) boom lifting height
3. 26.2m (86.0 ft) boom lifting height
4. 26.2m (86.0 ft) boom + 7.4m (24.3 ft) jib lifting height
5. 26.2m (86.0 ft) boom + 12.0m (39.4 ft) jib lifting height

A	OVERALL HEIGHT	3.500m	H	FRONT/REAR AXLE SPACING	3.800m
B	OVERALL LENGTH	11.810m	I	REAR AXLE SPACING	1.500m
C	TAILSWING	2.760m	J	OUTRIGGER SPACING	4.550m
D	CENTRELINE ROTATION TO HINGE PIN	1.220m	K	CENTRELINE ROTATION TO REAR OF CARRIER	2.500m
E	HINGE PIN HEIGHT	2.400m	L	OVERALL WIDTH	2.500m
F	OVERALL CARRIER LENGTH	9.000m to 9.880m	M	CAB HEIGHT	3.350m to 3.610m
G	FRONT AXLE SPACING	1.350m	N	CENTRELINE ROTATION TO CENTRELINE OF OUTRIGGER	2.400m



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KATO N.K. 20B 20 TONNE CAPACITY TRUCK-MOUNTED HYDRAULIC CRANE

Ratings in Tonnes subject to satisfactory stability to BSS 1757-1964 with outriggers fully extended and set on solid ground and the crane accurately levelled.

WORKING RADIUS METRES FEET		MAIN BOOM Over side and rear			FLY JIB Rated Load		
		10.2M (33.5') Boom	18.2M (59.9') Boom	26.2M (86.2') Boom	Boom Angle	7.4M (24.3')	12M (39.4')
2.0	(6.6)	20.58					
3.0	(9.8)	20.00	12.00				
4.0	(13.1)	14.40	12.00				
5.0	(16.4)	10.93	10.95	7.00			
6.0	(19.7)	8.36	8.36	7.00	80°	2.41	1.44
7.0	(22.9)	6.35	6.35	6.35			
8.0	(26.2)	5.10	5.10	5.10			
9.0	(29.5)	4.20	4.20	4.20			
10.0	(32.7)		3.50	3.50	75°	2.41	1.44
12.0	(39.3)		2.60	2.60	70°	2.21	1.44
14.0	(45.9)		1.90	1.90			
16.0	(52.5)		1.45	1.45	65°	1.54	1.06
18.0	(59.0)			1.10	60°	1.06	0.77
20.0	(65.6)			.85	55°	0.77	0.58
22.0	(72.2)			.65	50°	0.62	
24.0	(78.7)			.50			
25.0	(82.0)			.45			

GENERAL NOTE : These cranes have no ratings for lifting over the front. When lifting with fly jib fitted and when the main boom is not fully extended capacities are determined by the laden boom angles and not by radius.

**NOTES AS APPLIED BY THE MARINE DIVISION
OF THE NEW ZEALAND MINISTRY OF TRANSPORT**

- The above ratings are conditional on the crane being on firm level ground with the outriggers fully extended and exclude the weight of hook block, slings and any other load handling devices which must be included as part of the total load weight. Hook weights [REDACTED]

MAIN HOOK FOR 20 TONNES	250 kgm (.246 ton)
FLY JIB HOOK FOR 2.5 TONNES	100 kgm (.098 ton)

- The working radii are the actual values and include the deflection of the boom.
- When the boom length exceeds that shown on the rating sheet, operation must be carried out under the lifting capacities rated for the longer-rated boom length.
- Ratings are based on the use of outriggers fully extended. No operations loaded or unloaded may be carried out unless the outriggers are fully extended.
- The rated lifting capacities for the fly jib hook are determined by the boom angle only and not by either boom length or working radius.
- During the fly jib hook operation the working radius must not exceed 22m (72.2') and the boom

KATO N.K. 20B 20 TONNE CAPACITY TRUCK-MOUNTED HYDRAULIC CRANE

Ratings in Tonnes subject to satisfactory stability to BSS 1757-1964 with outriggers fully extended and set on solid ground and the crane accurately levelled.

WORKING RADIUS METRES FEET		MAIN BOOM Over side and rear			FLY JIB Rated Load		
		10.2M (33.5') Boom	18.2M (59.9') Boom	26.2M (86.2') Boom	Boom Angle	7.4M (24.3')	12M (39.4')
2.0	(6.6)	20.58					
3.0	(9.8)	20.00	12.00				
4.0	(13.1)	14.40	12.00				
5.0	(16.4)	10.93	10.95	7.00			
6.0	(19.7)	8.36	8.36	7.00	80°	2.41	1.44
7.0	(22.9)	6.35	6.35	6.35			
8.0	(26.2)	5.10	5.10	5.10			
9.0	(29.5)	4.20	4.20	4.20			
10.0	(32.7)		3.50	3.50	75°	2.41	1.44
12.0	(39.3)		2.60	2.60	70°	2.21	1.44
14.0	(45.9)		1.90	1.90			
16.0	(52.5)		1.45	1.45	65°	1.54	1.06
18.0	(59.0)			1.10	60°	1.06	0.77
20.0	(65.6)			.85	55°	0.77	0.58
22.0	(72.2)			.65	50°	0.62	
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3. When the boom length exceeds that shown on the rating sheet, operation must be carried out under the lifting capacities rated for the longer-rated boom length.
4. Ratings are based on the use of outriggers fully extended. No operations loaded or unloaded may be carried out unless the outriggers are fully extended.
5. The rated lifting capacities for the fly jib hook are determined by the boom angle only and not by either boom length or working radius.
6. During the fly jib hook operation the working radius must not exceed 22m (72.2') and the boom angle must not be less than 50° to the horizontal.