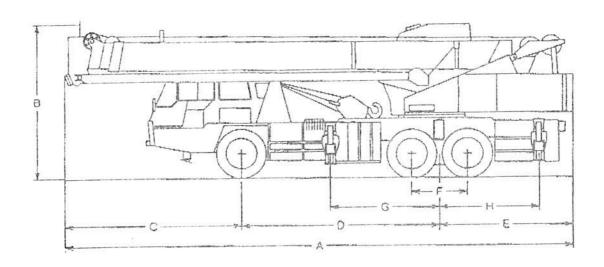
AXLE WEIGHT DISTRIBUTION CHART

UNITS IN KILOGRAMS

• Item	Gross	Front	Rear
Basic standard machine	23,550	6,500	17,050

DIMENSIONS



UNITS IN MILLIMETRES

A	11,800	С	4,130	E	3,100	G	2,400
В	3,300	D	4,700	F	1,300	Н	2,400

Overall width

2,490 mm

Tall swing radius

3,200 mm

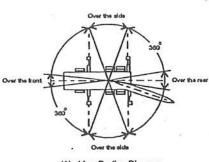
HOTE	Your drawing is for mariga purposes only
	and is not to be used he would hope young

MEASUMEMENTS IN MILLIMETRES		ALL CRANE & HO		CRANE DETAILS		
STALE	HOT TO SCALE	a martiging	in Manuela			
0474	22/03/76	PH DHIMANG	6.001/15	KATO NK-200H-V		

TOTAL RATED LOAD IN KILOGRAMS

THIS DOCUMENT SHOULD BE READ IN CONJUNCTION WITH THE A.C.S.

OUTRIG	GERS FUL	LY EXTEND	ED WITHO	UT FRONT	JACK (O	OOWN (36	& SIDE)
B(m) A	10m	13.5m	17m	20.5m	24m	27.5m	31m
★ 0.4	25,000						
2.5	20,000		14,500				
3.0	20,000	17,500	14,500	9,500			
3.5	20,000		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	5,550	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	1	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	<u> </u>		3,000	3.300	3,450	3,600	3,350
15.3		1	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	0.00			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			1	1	1.000	1,000
25.8			1			750	800
28.0		1				1	550
29.3	1	_	1	1	1	-	450



Working Radius Diagram see also chart 772-75025001

A : BOOM LENGTHS

- These capacities are based on condition that the crane is set on firm ground
- horizontally. Those above bold lines are based on the crane strength and those below, on its stability. Total rated loads below bold lines do not exceed 75% of tipping load.

NOTES:

- 3.0 The total rated loads shown are based on the actual working radius which includes any deflection of the boom.
- 4.0 Boom operations must be related to the working radius. 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.
- 5.0 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 angle 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 B00M	31m B00M	31m 800M + 8M A8 OFFSET 5; 17; 30*
OUTRIGGERS FLALLY EXTENDED	-	-	-	-	-	30"
OUTRIGGERS AT MEDIUM EXTENSION	25	36*	44	46*	32	60*

B: WORKING RADIUS (m)

- 7.0 The weight of the hook (230kg for 20,000kg capacity, 60 kg for 3,000kg capacity), slings and all similarly used load handling devices must be added to the weight
- 8.0 Standard number of part lines for each boom length are as shown below. Load

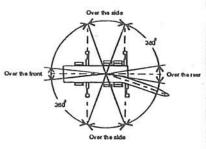
per line enour	u not s	uibase o	.cooky.					
BOOM LENGTH	10-	13.5m	17m	20.5m	24m	27.5m	31m	SHOLE TOP
NO. OF PART LINES	7	7	7	4	4	4	4	1

- 9.0 Total rated load of the single top should not exceed 3000kg.
- 10.0 Free fall operation should be performed only without any load on the hook.
- 11.0 Deduct 850kg from the rated lifting loads of the main boom, when the jib is attached to the main boom head. The single top must not be used whilst the jib is attached.
- 12.0 Special weather caution: Refer to the operation and maintenance manual.
- 13.0 See chart number 772-74006001-C1 for height/ radius operation.
- 14.0 Refer to the crane manual

TOTAL RATED LOAD IN KILOGRAMS

THIS DOCUMENT SHOULD BE READ IN CONJUNCTION WITH THE A.C.S.

				UM EXTE			Paradi (Peren
B(m) A		13.5m	17m	20.5m	24m	27.5m	31m
★ 0.4	25,000				1		
2.5	20,000	17,500	14,500				
3.0	20,000	17,500	14,500	9,500			
3.5	17,500	17,500	14,500	9,500	7,500		100-01 MILE
4.0	15,000	14,900	14,500	9,500	7,500	6,500	
4.5	12,750	12,450	12,000	9,500	7,500	6,500	
5.0	9,950	9,700	9,450	9,500	7,500	6,500	6,000
5.5	8,050	7,800	7,600	7,900	7,500	6,500	6,000
6.0	6,650	6,450	6,250	6,700	6,700	6,500	6,000
6.5	5,600	5,400	5,200	5,650	5,900	5,850	6,00
7.0	4,750	4,550	4,400	4,800	5,050	5,250	5,40
8.3	3,200	3,100	2,950	3,300	3,550	3,700	3,80
9.0		2,550	2,350	2,750	2,950	3,150	3,25
10.0		1,850	1,650	2,100	2,300	2,500	2,55
11.0		1,300	1,150	1,500	1,800	2,000	2,05
11.8		950	800	1,150	1,400	1,600	1,70
12.5			450	900	1,150	1,350	1,45
14.0				450	700	850	950
15.0					400	600	70
16.0			77.00			400	501
16.5							400



Working Radius Diagram see also chart 772-75025001

A: BOOM LENGTHS

B: WORKING RADIUS (m)

- NOTES: 1.0 These capacities are based on condition that the crane is set on firm ground horizontally. Those above bold lines are based on the crane strength and those below, on its stability.
 - 2.0 Total rated loads below bold lines do not exceed 75% of tipping load.
 - 3.0 The total rated loads shown are based on the actual working radius which includes any deflection of the boom.
 - Boom operations must be related to the working radius. Jib operations are to be related to the working radius while the jib is attached to 31 m of boom. For boom lengths other than 31m, jib operation must be related only to the angle of the boom.
 - 5.0 When the length of the boom is shown beyond the prescribed capacity, operate according to the lesser capacity shown on the load rating chart.
 - 6.0 The boom angle 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 800M	20.5m BOOM	24m B00M	27m BOOM	31m 800M	31m BOOM + 6M JB OFFSET 6: 17:80*
OUTRIQUERS PULLY EXTENDED	-	-	-	-	-	30*
OUTRIGOERS AT MEDIUM EXTENSION	25	30,	46	46	52	60

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

BOOM LENGTH	1 Orm	13.5m	17m	20.5m	24m	27.5m	31m	SINGLE TOP
NO. OF PART LINES	7	7	7	4	4	4	4	1

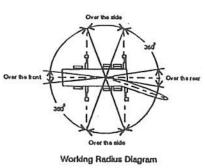
- 9.0 Total rated load of the single top should not exceed 3000kg.
- 10.0 Free fall operation should be performed only without any load on the hook.
- 11.0 Deduct 850kg from the rated lifting loads of the main boom, when the jib is attached to the main boom head. The single top must not be used whilst the jib is attached.
- 12.0 Special weather caution: Refer to the operation and maintenance manual.
- 13.0 See chart number 772-74008001-C1 for height/ radius operation.
- * 14.0 Refer to the crane manual

CHART 3

TOTAL RATED LOAD IN KILOGRAMS

THIS DOCUMENT SHOULD BE READ IN CONJUNCTION WITH THE A.C.B.

JIB LENGTH		31m BOOM + 8m JIB								
JIB OFFSET		° '	1	7°	3	o°				
BOOM WICHE	WORDSHO MODELLO	PENITTED	WOZONO	PENATTED LOAD Red	WORKSHIP MORUS	PENATTED				
80	7.70	2,750	9.35	1,950	10.40	1,350				
76.4	10.10	2,750	11.50	1,950	12.35	1,350				
76	10.50	2,750	11.80	1,920	13.00	1,350				
75	11.20	2,750.	12.40	1,890	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	1,160	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	640	29.30	620				
40	29.90	450	30.70	420	31.10	420				
37	31.00	340	31.70	320	32.00	330				



see also chart 772-75025001

- NOTES: 1.0 These capacities are based on condition that the crane is set on firm ground horizontally. Those above bold lines are based on the crane strength and those below, on its stability.
 - 2.0 Total rated loads below bold lines do not exceed 75% of tipping load.
 - 3.0 The total rated loads shown are based on the actual working radius which includes any deflection of the boom.
 - 4.0 Boom operations must be related to the working radius. Jib operations are to be related to the working radius while the jib is attached to 31 m of boom. For boom lengths other than 31 m, jib operation must be related only to the angle of the boom.
 - 5.0 When the length of the boom is shown beyond the prescribed capacity, operate according to the lesser capacity shown on the load rating chart.
 - 6.0 The boom angle 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.

According to the contract of the contract of	17m BOOM	20.5m BOOM	24m B00M	27m BOOM	31m BOOM	OFFSET 5,17,20*
FULLY EXTENDED	-	-	-	-	-	30'
OUTRIQUERS AT	25	30"	44	40*	52	60*

- 7.0 The weight of the hook (230kg for 20,000kg capacity, 80 kg for 8,000kg capacity), slings and all similarly used load handling devices must be added to the weight of the load.
- 8.0 Standard number of part lines for each boom length are as shown below. Load per line should not surpass 3,000kg.

BOOM LENGTH	10m	13.04	17m	20.5m	24m	27.0m	31m	SINGLE TOP
NO. OF PART LINES	7	7	7	4	4	4	4	1

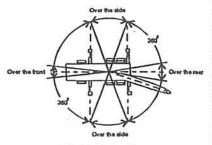
- 9.0 Total rated load of the single top should not exceed 3000kg.
- 10.0 Free fall operation should be performed only without any load on the hook.
- 11.0 Deduct 850kg from the rated lifting loads of the main boom, when the jib is attached to the main boom head. The single top must not be used whilst the jib is attached.
- 12.0 Special weather caution: Refer to the operation and maintenance manual.
- 13.0 See chart number 772-74006001-C1 for height/ radius operation.
- * 14.0 Refer to the crane manual

CHART 4

TOTAL RATED LOAD IN KILOGRAMS

THIS DOCUMENT SHOULD BE READ IN CONJUNCTION WITH THE A.C.S.

LENGTH OF BOOM & JIB	31m BOOM + 8m JIB								
JIB OFFSET		°		7°	30°				
BOOM WHENTE &	JUDAN DIEWON	PENNTTED LOVO	MONOR MOUS	PERMITTED LOAD	ADRIGIS BADELS	PERMITTED LOAD			
80	7.70	2,750	9.35	1,950	10.40	1,350			
76.4	10.10	2,750	11.50	1,950	12.35	1,350			
76	10.50	2,600	11.80	1,920	13.00	1,350			
75.5	10.80	2,500	12.10	1,910	13.40	1,350			
72	12.90 -	1,690	14.20	1,510	15.50	1,320			
70	14.00	1,340	15.40	1,150	16.60	1,040			
65	16.80	640	18.20	560	19.30	510			
62	18.40	350	19.40	360					



Working Radius Diagram

- NOTES: 1.0 These capacities are based on condition that the crane is set on firm ground horizontally. Those above bold lines are based on the crane strength and those below, on its stability.
 - 2.0 Total rated loads below bold lines do not exceed 75% of tipping load.
 - 5.0 The total rated loads shown are based on the actual working radius which includes any deflection of the boom.
 - 4.0 Boom operations must be related to the working radius. Jib operations are to be related to the working radius while the jib is attached to 31 m of boom. For boom lengths other than 31m, jib operation must be related only to the angle
 - 5.0 When the length of the boom is shown beyond the prescribed capacity, operate according to the lesser capacity shown on the load rating chart.
 - 6.0 The boom angle 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 B00M	27m BOOM	31m B00M	31m BOOM + 8M 3M OFFSET 5,177,30* 30*	
PULLY EXTENDED	-	-	•	-	-		
OUTROGERS AT	25"	36	44	46"	52"	60*	

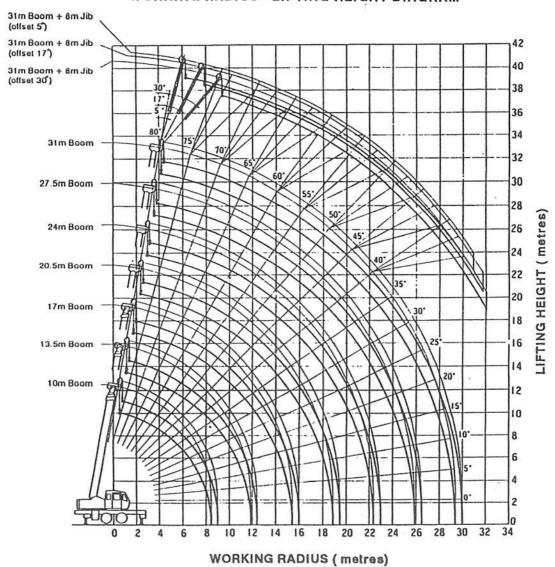
- 7.0 The weight of the hook (230kg for 20,000kg capacity, 60 kg for 3,000kg capacity), slings and all similarly used load handling devices must be added to the weight of the load.
- 8.0 Standard number of part lines for each boom length are as shown below. Load per line should not surpass 3,000kg.

BOOM LENGTH	10m	13.3m	17m	20.5m	24m	27.5m	31m	SNOLE TOP
NO. OF PART LINES	7	7	7	4	4	4	4	1

- 9.0 Total rated load of the single top should not exceed 3000kg.
- 10.0 Free fall operation should be performed only without any load on the hook.
- 11.0 Deduct 850kg from the rated lifting loads of the main boom, when the jib is attached to the main boom head. The single top must not be used whilst the jib is attached.
- 12.0 Special weather caution: Refer to the operation and maintenance manual.
- 13.0 See chart number 772-74008001-C1 for height/ radius operation.
- * 14.0 Refer to the crane manual

KATO NK-200H-v

WORKING RADIUS - LIFTING HEIGHT DIAGRAM



NOTES

- The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom defection obtained under laden conditions.
- (2) The diagram is shown as with the outriggers fully extended.