

# KATONK-550VR

## RATED LIFTING CAPACITY ( 1 )

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	13.50		
5.5	27.80	27.80	27.40	27.20	24.00	20.00	13.50		
6.0	25.40	25.40	25.00	24.80	24.00	20.00	13.50		
6.5	23.20	23.20	22.80	22.60	22.50	20.00	13.50	8.00	
7.0	21.40	21.40	21.00	20.80	20.60	19.60	13.50	8.00	
7.5	18.80	18.80	19.30	19.10	19.00	18.00	13.50	8.00	
8.0	17.10	17.10	16.90	16.70	16.50	16.45	13.50	8.00	
8.5	15.50	15.50	15.20	15.00	14.80	14.75	13.50	8.00	
9.0	13.90	13.90	13.70	13.50	13.30	13.20	13.50	8.00	
10.0			11.30	11.10	10.90	10.90	11.70	8.00	
11.0			9.50	9.20	9.10	9.00	9.90	7.80	
12.0			7.90	7.70	7.60	7.50	8.40	7.10	
13.0			6.60	6.40	6.30	6.20	7.10	6.65	
14.0				5.40	5.30	5.20	6.00	6.15	
16.0				3.80	3.70	3.60	4.50	4.90	
18.0					2.60	2.50	3.30	3.80	
20.0					1.70	1.70	2.40	2.90	
22.0						1.00	1.80	2.20	
24.0						0.45	1.20	1.70	
26.0							0.80	1.20	
28.0								0.80	
30.0								0.45	
Standard hook	for 40t + sub-hook sheave	for 40 tonne				for 20 tonne			
Hook mass	450 +150kg	450kg				320kg			
Parts of line	14	10	8	8	6	5	4	4	
Critical boom angle	—	—	—	—	—	—	33°	41°	

Unit; Tonne, (t)

# KATO NK-550VR

## RATED LIFTING CAPACITY ( 2 )

Outriggers intermediately extended without front jack - 360° full range Outriggers fully extended without front jack - over front							
Working radius (m)	11.0m Boom	15.0m Boom	19.0m Boom	23.0m Boom	27.0m Boom	35.0m Boom	43.0m Boom
3.0	32.00	28.00	28.00	24.00			
3.5	32.00	28.00	28.00	24.00			
4.0	32.00	28.00	28.00	24.00	20.00		
4.5	25.95	25.80	25.40	24.00	20.00		
5.0	19.45	19.30	18.95	18.85	17.95	13.50	
5.5	15.30	15.15	14.85	14.75	14.70	13.50	
6.0	12.40	12.30	12.00	11.95	11.85	12.65	8.00
6.5	10.30	10.20	9.90	9.85	9.80	10.85	8.00
7.0	8.75	8.60	8.30	8.25	8.20	9.20	8.00
7.5	7.45	7.30	7.10	7.00	6.95	7.90	8.00
8.0	6.45	6.30	6.05	6.00	5.95	6.80	7.30
9.0	4.90	4.75	4.50	4.40	4.35	5.20	5.70
10.0		3.50	3.30	3.20	3.15	4.05	4.50
11.0		2.60	2.40	2.30	2.25	3.10	3.60
12.0		1.90	1.65	1.60	1.55	2.35	2.85
13.0		1.35	1.10	1.00			2.20
140							1.70
Standard hook	for 40 tonne				for 20 tonne		
Hook mass	450kg				320kg		
Parts of line	8	8	8	6	5	4	4
Critical boom angle	—	—	<b>34°</b>	<b>52°</b>	<b>61°</b>	<b>67°</b>	<b>68°</b>

Unit; Tonne, (t)

(ref: **KATO** 421-75404000)

# KATO NK-550VR

## RATED LIFTING CAPACITY ( 3 )

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)
<i>81.0</i>	10.00	3.50	12.75	2.30	14.60	1.25	<i>81.0</i>	11.75	2.50	16.20	1.20	19.40	0.70
<i>80.0</i>	11.05	3.50	13.70	2.30	15.45	1.25	<i>80.0</i>	12.95	2.50	17.20	1.20	20.35	0.69
<i>79.0</i>	12.05	3.48	14.65	2.30	16.30	1.24	<i>79.0</i>	14.10	2.49	18.15	1.19	21.25	0.69
<i>78.0</i>	13.00	3.40	15.60	2.25	17.20	1.23	<i>78.0</i>	15.10	2.45	19.10	1.17	22.15	0.68
<i>77.0</i>	13.90	3.23	16.50	2.19	18.05	1.21	<i>77.0</i>	16.20	2.30	20.10	1.15	23.05	0.67
<i>76.0</i>	14.85	3.04	17.40	2.12	18.90	1.19	<i>76.0</i>	17.25	2.17	21.10	1.12	24.00	0.67
<i>75.0</i>	15.75	2.90	18.25	2.06	19.75	1.17	<i>75.0</i>	18.25	2.06	22.15	1.10	24.85	0.65
<i>74.0</i>	16.70	2.75	19.15	1.99	20.55	1.16	<i>74.0</i>	19.20	1.95	23.15	1.07	25.70	0.64
<i>72.0</i>	18.50	2.49	20.90	1.85	22.25	1.12	<i>72.0</i>	21.10	1.76	25.05	1.02	27.45	0.62
<i>70.0</i>	20.15	2.28	22.60	1.73	23.90	1.09	<i>70.0</i>	23.00	1.59	26.80	0.97	29.10	0.61
<i>68.0</i>	21.85	2.09	24.20	1.62	25.40	1.06	<i>68.0</i>	24.90	1.47	28.60	0.93	30.65	0.59
<i>66.0</i>	23.65	1.87	25.80	1.53	26.85	1.04	<i>66.0</i>	26.75	1.35	30.30	0.90	32.25	0.58
<i>64.0</i>	25.15	1.52	27.40	1.34	28.35	1.02	<i>64.0</i>	28.65	1.21	32.00	0.87	33.80	0.57
<i>62.0</i>	26.60	1.20	28.80	1.06	29.85	1.00	<i>62.0</i>	30.35	0.95	33.80	0.79	35.30	0.56
<i>60.0</i>	28.05	0.91	30.15	0.82	31.25	0.78	<i>60.0</i>	31.85	0.72	35.25	0.59	36.75	0.55
<i>59.0</i>	28.75	0.78	30.80	0.71	31.90	0.67	<i>59.0</i>	32.60	0.61	36.00	0.49	37.45	0.55
<i>58.0</i>	29.25	0.66	31.45	0.60	32.25	0.55							
Standard hook	for 4 tonne						Standard hook	for 4 tonne					
Hook mass	120kg						Hook mass	120kg					
Parts of line	1						Parts of line	1					
Critical boom angle	<b>57°</b>						Critical boom angle	<b>58°</b>					

Unit; Tonne, (t)

# KATO NK-550VR

## RATED LIFTING CAPACITY ( 4 )

Outriggers intermediately extended without front jack - 360° full range Outriggers fully extended without front jack - over front													
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)
<i>81.0</i>	10.10	3.45	12.75	2.30	14.60	1.25	<i>81.0</i>	11.75	2.50	16.20	1.20	19.40	0.70
<i>80.0</i>	11.15	3.07	13.70	2.30	15.45	1.25	<i>80.0</i>	12.95	2.49	17.20	1.20	20.35	0.69
<i>79.0</i>	12.10	2.51	14.90	1.98	16.30	1.24	<i>79.0</i>	14.00	2.06	18.45	1.17	21.25	0.69
<i>78.0</i>	12.75	2.20	15.60	1.81	17.20	1.23	<i>78.0</i>	15.00	1.67	19.45	1.12	22.15	0.68
<i>77.0</i>	13.35	1.91	16.35	1.68	18.25	1.11							
Standard hook	for 4 tonne						Standard hook	for 4 tonne					
Hook mass	120kg						Hook mass	120kg					
Parts of line	1						Parts of line	1					
Critical boom angle	<b>76*</b>						Critical boom angle	<b>77°</b>					

Unit; Tonne, (t)

Based on \*AS1418.5 / ISO4305

<b>KATO NK-550VR</b>	
<b>RATED LIFTING CAPACITY ( 5 )</b>	
Outriggers fully retracted (blocked on vertical cyls.) - 360° full range	
Working radius (m)	11.0m Boom
3.0	8.0
3.5	6.4
4.0	5.1
4.5	4.2
5.0	3.4
5.5	2.8
6.0	2.3
6.5	1.9
7.0	1.6
7.5	1.25
8.0	1
Standard hook	for 40 tonne
Hook mass	450kg
Parts of line	10

Unit; Tonne, (t)