

KATO KR-45H-v SAFE WORKING LOAD CHART - No1

UNITS - tonnes

LOADS ON MAIN BOOM - CRANE SUPPORTED ON OUTRIGGERS

Working Radius (m)	Outriggers fully extended 360 degrees					Outriggers extended to 5.8m Over side					Outriggers extended to 4.3m Over side					Outriggers fully retracted Over side			Working Radius (m)	
	10.4m Boom	17.55m Boom	24.7m Boom	31.85m Boom	39.0m Boom	10.4m Boom	17.55m Boom	24.7m Boom	31.85m Boom	39.0m Boom	10.4m Boom	17.55m Boom	24.7m Boom	31.85m Boom	39.0m Boom	10.4m Boom	17.55m Boom	24.7m Boom		
3.0	45.00	28.00	20.00	14.00		45.00	28.00	20.00	14.00		33.00	28.00	20.00	14.00		15.35	11.50	9.60	3.0	
3.5	41.00	28.00	20.00	14.00		41.00	28.00	20.00	14.00		33.00	28.00	20.00	14.00		15.35	11.50	9.60	3.5	
4.0	37.00	28.00	20.00	14.00	7.60	37.00	28.00	20.00	14.00	7.60	25.00	28.00	20.00	14.00	7.60	12.10	11.50	9.60	4.0	
4.5	33.50	28.00	20.00	14.00	7.60	33.50	28.00	20.00	14.00	7.60	19.20	21.60	20.00	14.00	7.60	10.00	9.50	9.60	4.5	
5.0	30.20	28.00	20.00	14.00	7.60	30.20	28.00	20.00	14.00	7.60	16.30	17.75	16.30	14.00	7.60	8.35	7.95	8.00	5.0	
5.5	27.50	26.10	20.00	14.00	7.60	27.50	26.10	20.00	14.00	7.60	14.20	14.90	13.90	14.00	7.60	7.00	6.60	6.60	5.5	
6.0	25.00	24.40	20.00	14.00	7.60	22.55	21.90	20.00	14.00	7.60	12.50	12.65	12.10	12.10	7.60	6.05	5.65	5.50	6.0	
6.5	22.70	22.40	18.70	14.00	7.60	19.10	19.20	18.70	14.00	7.60	10.85	10.85	10.55	10.95	7.60	5.15	4.80	4.65	6.5	
7.0	20.70	20.60	17.60	13.50	7.60	16.50	16.50	15.65	13.50	7.60	9.40	9.40	9.20	9.80	7.60	4.40	4.10	4.00	7.0	
7.5		18.90	16.60	13.00	7.60		14.40	13.80	13.00	7.60		8.25	8.05	8.80	7.60		3.50	3.35	7.5	
8.0		17.50	15.60	12.50	7.60		12.55	12.30	12.50	7.60		7.30	7.10	7.85	7.60		2.95	2.85	8.0	
8.5		16.20	14.70	11.90	7.60		11.05	10.85	11.90	7.60		6.45	6.30	7.00	7.60		2.55	2.40	8.5	
9.0		15.00	13.90	11.30	7.60		9.90	9.70	10.35	7.60		5.75	5.60	6.30	6.70		2.10	2.00	9.0	
10.0		13.00	12.30	10.30	7.60		8.00	7.85	8.55	7.60		4.60	4.45	5.15	5.55		1.40	1.25	10.0	
11.0		10.35	10.00	9.40	7.10		6.60	6.45	7.10	7.10		3.70	3.50	4.25	4.70		0.80	0.70	11.0	
12.0		8.65	8.55	8.65	6.60		5.55	5.35	6.00	6.60		2.90	2.70	3.50	3.90				12.0	
13.0		7.30	7.20	8.00	6.15		4.60	4.40	5.10	5.50		2.25	2.05	2.85	3.35				13.0	
14.0		6.25	6.15	6.80	5.75		3.80	3.65	4.35	4.80		1.65	1.50	2.30	2.80				14.0	
15.0			5.25	6.05	5.35			2.95	3.75	4.20			1.10	1.80	2.40				15.0	
16.0			4.50	5.30	5.00			2.40	3.20	3.70			0.75	1.40	1.95				16.0	
18.0			3.25	4.10	4.40			1.55	2.30	2.75				0.75	1.30				18.0	
20.0			2.40	3.15	3.90			0.95	1.60	2.10					0.75				20.0	
21.0			2.00	2.75	3.35			0.65	1.30	1.80									21.0	
22.0				2.45	2.95				1.10	1.55									22.0	
24.0				1.80	2.30				0.70	1.10									24.0	
26.0				1.30	1.80					0.70									26.0	
28.0				0.90	1.35														28.0	
30.0					1.05														30.0	
32.0					0.70														32.0	
34.0					0.45														34.0	
Minimum Boom Angle									30 degrees	40 degrees				40 degrees	48 degrees	53 degrees		38 degrees	56 degrees	Minimum Boom Angle
Std hook	45t	45t	20t	20t	20t	45t	45t	20t	20t	20t	45t	45t	20t	20t	20t	45t	45t	20t	Std hook	
Hook weight	450kg	450kg	270kg	270kg	270kg	450kg	450kg	270kg	270kg	270kg	450kg	450kg	270kg	270kg	270kg	450kg	450kg	270kg	Hook weight	
Rope falls	11	7	5	4	4	11	7	5	4	4	11	7	5	4	4	11	7	5	Rope falls	

Loads within shaded areas are limited by crane structural strength. All other loads are limited by 75% of tipping.

TUTTS P/N 634-0011.7