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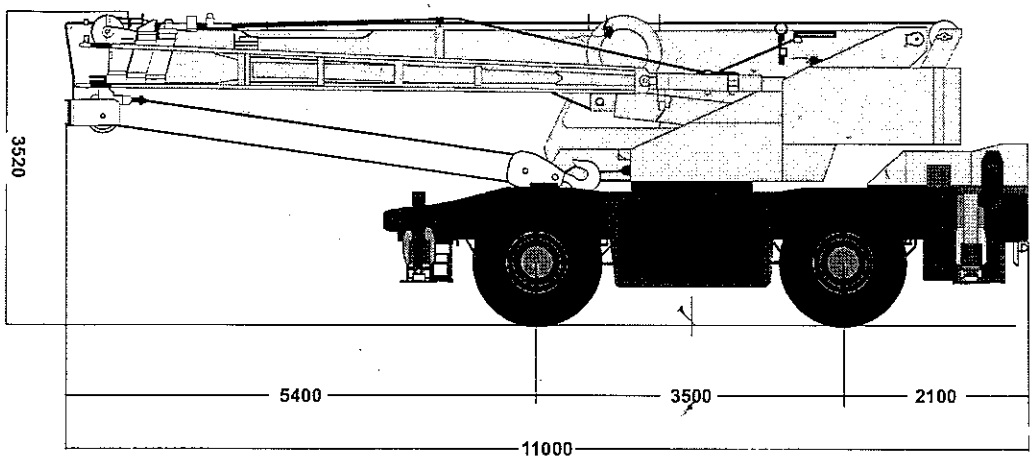
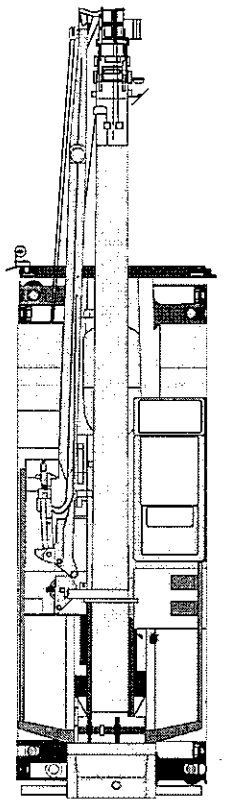
TITAN CRANES LIMITED

KATO KR-25H

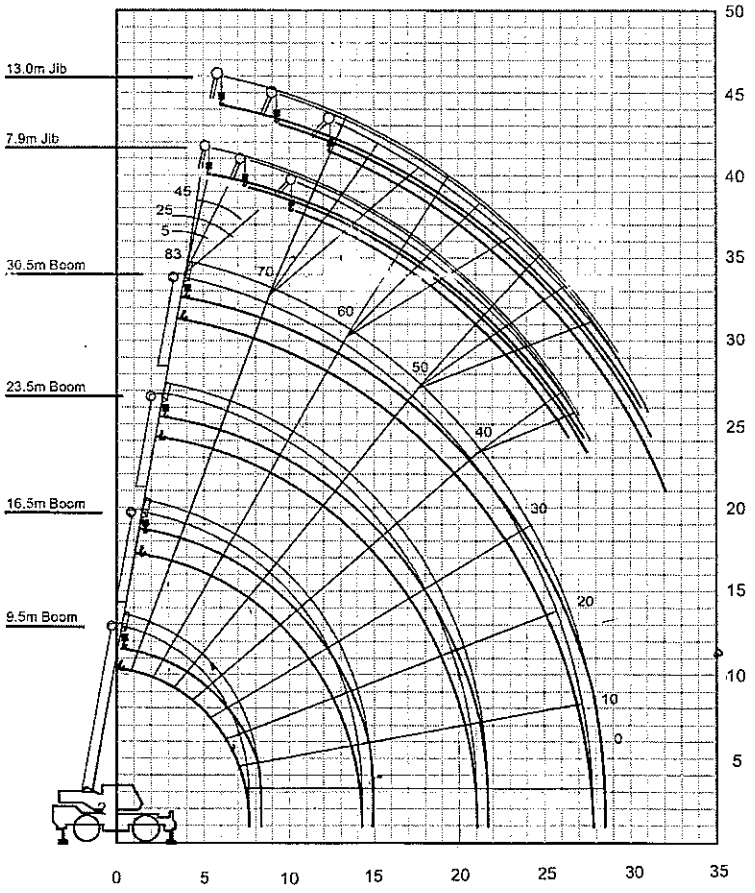
25 TONNE ROUGH TERRAIN CRANE



GENERAL DIMENSIONS



WORKING RANGE



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TITAN CRANES LIMITED

KATO KR-25H

25 TONNE ROUGH TERRAIN CRANE

LOAD RATINGS IN TONNES

360° — **BS 1757**

MAIN BOOM RATED LOADS

Working Radius (m)	Outriggers Fully Extended (6.3m) 360° Full Range				Outriggers Intermediately Extended (5.1m) Over Side				Outriggers Intermediately Extended (3.8m) Over Side				Outriggers Fully Retracted (2.21m) Over Side			
	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom	9.5m Boom	16.5m Boom	23.5m Boom	30.5m Boom
2.5	25.00	18.00			25.00	18.00			25.00	18.00			12.00	11.60		
3.0	25.00	18.00	12.50		25.00	18.00	12.50		25.00	18.00	12.50		12.00	11.60	9.70	
3.5	25.00	18.00	12.50		25.00	18.00	12.50		20.00	18.00	12.50		9.35	8.95	9.70	
4.0	23.00	18.00	12.50	7.00	23.00	18.00	12.50	7.00	15.70	15.60	12.50	7.00	7.55	7.15	7.80	5.50
4.5	21.20	18.00	12.50	7.00	21.20	18.00	12.50	7.00	12.60	12.60	12.50	7.00	6.20	5.80	6.45	5.50
5.0	19.40	16.70	12.50	7.00	18.40	16.70	12.50	7.00	10.60	10.40	10.70	7.00	5.15	4.80	5.40	5.50
5.5	17.80	15.50	11.75	7.00	15.40	15.00	11.75	7.00	9.05	8.80	9.30	7.00	4.35	4.00	4.60	4.75
6.0	16.30	14.40	11.10	7.00	13.00	12.60	11.10	7.00	7.70	7.60	8.20	7.00	3.70	3.40	3.95	4.15
6.5	15.10	13.45	10.40	7.00	11.20	10.80	10.40	7.00	6.60	6.50	7.25	7.00	3.15	2.85	3.40	3.65
7.0		12.65	9.80	7.00		9.40	9.80	7.00		5.60	6.40	6.55		2.40	2.95	3.20
7.5		11.90	9.25	7.00		8.25	8.90	7.00		4.90	5.70	5.90		2.05	2.55	2.80
8.0		10.55	8.75	6.75		7.30	8.00	6.75		4.40	5.05	5.30		1.70	2.25	2.50
9.0		8.40	7.65	6.15		5.80	6.50	6.15		3.50	4.05	4.35		1.10	1.75	1.95
10.0		6.90	7.10	5.60		4.70	5.40	5.60		2.80	3.30	3.65		0.65	1.35	1.55
11.0		5.70	5.40	5.15		3.90	4.55	4.75		2.15	2.75	3.05			0.95	1.20
12.0		4.80	5.45	4.70		3.25	3.85	4.15		1.65	2.30	2.60				0.90
13.0		4.10	4.70	4.35		2.70	3.25	3.55		1.30	1.90	2.20				
13.5		3.80	4.40	4.20		2.50	3.05	3.30		1.10	1.75	2.00				
14.0			4.10	4.05			2.85	3.10			1.55	1.85				
15.0			3.60	3.80			2.45	2.70			1.30	1.55				
15.5			3.40	3.65			2.25	2.50			1.15	1.45				
16.0			3.15	3.45			2.10	2.35			1.00	1.30				
17.0			2.80	3.05			1.80	2.10			0.75	1.10				
18.0			2.45	2.70			1.50	1.80			0.52	0.90				
19.0			2.15	2.45			1.25	1.60			0.40	0.70				
20.0			1.90	2.20			1.05	1.40				0.55				
20.5			1.80	2.05				1.30								
21.0				1.95				1.20								
22.0				1.75				1.00								
24.0				1.40				0.70								
26.0				1.15				0.45								
27.5				0.95												
Boom Critical Angle	-	-	-	-	-	-	-	-	-	-	20°	40°	-	40°	53°	60°
Standard Hook	25t Hook				25t Hook				25t Hook				25t Hook			
Hook Weight	230 kg				230 kg				230 kg				230 kg			
Parts of Line	8	6	4	4	8	6	4	4	8	6	4	4	6	6	4	4

Working Radius (m)	Stationary on Rubber (Without Outriggers)						Pick & Carry (Less than 2 km/hr) (Without Outriggers)					
	9.5m Boom		16.5m Boom		23.5m Boom		9.5m Boom		16.5m Boom		23.5m Boom	
	Over Front	360° Full Range	Over Front	360° Full Range	Over Front	360° Full Range	Over Front	360° Full Range	Over Front	360° Full Range	Over Front	360° Full Range
3.0	14.00	9.00	9.00	7.30			10.50	7.00	7.50	5.10		
3.5	14.00	7.60	9.00	7.30	6.50	4.50	10.50	6.20	7.50	5.10	5.50	3.20
4.0	12.50	6.30	9.00	5.85	6.50	4.50	9.50	5.30	7.50	4.90	5.50	3.20
4.5	10.90	5.20	9.00	4.75	6.50	4.50	8.70	4.40	7.50	3.95	5.50	3.20
5.0	9.55	4.30	8.20	4.00	6.50	4.30	7.70	3.60	7.00	3.30	5.50	3.20
5.5	8.30	3.60	7.40	3.30	6.05	3.70	6.80	3.00	6.20	2.70	5.15	3.10
6.0	7.20	3.00	6.60	2.80	5.65	3.20	5.90	2.50	5.50	2.30	4.80	2.70
6.5	6.25	2.50	5.90	2.35	5.25	2.75	5.10	2.10	4.90	1.90	4.45	2.30
7.0			5.25	1.95	4.85	2.40			4.35	1.60	4.15	2.00
8.0			4.10	1.35	4.10	1.80			3.40	1.00	3.50	1.50
9.0			3.25	0.85	3.50	1.40			2.70	0.60	2.95	1.10
10.0			2.60	0.45	3.00	1.05			2.10		2.45	0.75
11.0			2.10		2.55	0.75			1.65		2.05	0.55
12.0			1.70		2.20				1.30		1.70	
13.0			1.35		1.85				1.00		1.40	
14.0					1.50						1.15	
15.0					1.25						0.95	
16.0					1.00						0.75	
17.0					0.80						0.60	
18.0					0.60							
Critical Boom Angle	-	-	-	40°	-	53°	-	-	-	45°	30°	54°
Standard Hook	25t Hook						25t Hook					
Hook Weight	230 kg						230 kg					
Parts of Line	8	8	6	6	4	4	8	8	6	6	4	4

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TITAN CRANES LIMITED

KATO KR-25H

25 TONNE ROUGH TERRAIN CRANE

LOAD RATINGS IN TONNES

360° BS 1757

FLY JIB RATED LOADS

30.5m Boom + 13.0m Jib [Standard Hook: for 3.0 ton (Hook Weight: 60 kg), Parts of Line: 1]

Outriggers Fully Extended (6.3m)							Outriggers Intermediately Extended (5.1m)						
Boom Angle (°)	5° Offset		25° Offset		45° Offset		Boom Angle (°)	5° Offset		25° Offset		45° Offset	
	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)		Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)
83.0	5.8	2.00	10.3	1.25	13.3	0.80	83.0	5.8	2.00	10.3	1.25	13.3	0.80
77.5	10.4	2.00	14.4	1.25	17.1	0.80	77.5	10.4	2.00	14.4	1.25	17.1	0.80
76.0	11.6	2.00	15.5	1.20	18.0	0.80	76.0	11.6	2.00	15.5	1.20	18.0	0.80
69.0	16.8	1.55	20.2	1.00	22.3	0.80	69.0	16.8	1.55	20.2	1.00	22.3	0.80
65.0	19.5	1.35	22.7	0.95	24.5	0.77	65.0	19.5	1.35	22.7	0.95	24.5	0.77
60.0	22.8	1.05	25.7	0.90	27.0	0.73	61.5	21.8	1.15	24.9	0.90	26.3	0.75
55.0	25.8	0.95	28.5	0.85	29.4	0.67	58.5	23.5	0.90	26.4	0.75	27.7	0.70
52.0	27.6	0.85	30.0	0.80	30.7	0.64	55.0	25.4	0.60	28.2	0.50	29.2	0.50
50.0	28.6	0.75	31.0	0.65	31.5	0.62	53.0	26.5	0.45	29.1	0.40	30.1	0.40
47.5	29.8	0.60	32.0	0.55	32.4	0.60	Critical Boom Angle	51°		51°		51°	
45.0	31.0	0.50	33.0	0.45	33.2	0.45							
Critical Boom Angle	42°		42°		42°								

30.5m Boom + 7.9m Jib [Standard Hook: for 3.0 ton (Hook Weight: 60 kg), Parts of Line: 1]

Outriggers Fully Extended (6.3m)							Outriggers Intermediately Extended (5.1m)						
Boom Angle (°)	5° Offset		25° Offset		45° Offset		Boom Angle (°)	5° Offset		25° Offset		45° Offset	
	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)		Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)	Working Radius (m)	Load (ton)
83.0	4.5	3.00	7.0	2.10	9.0	1.60	83.0	4.5	3.00	7.0	2.10	9.0	1.60
72.5	11.8	3.00	13.9	2.10	16.0	1.60	72.5	11.8	3.00	13.9	2.10	15.9	1.60
71.5	12.6	3.00	14.6	2.10	16.4	1.55	71.5	12.6	3.00	14.6	2.10	16.4	1.55
70.0	13.4	2.80	15.5	2.00	17.1	1.50	70.0	13.4	2.80	15.5	2.00	17.1	1.50
65.0	16.5	2.30	18.4	1.70	19.6	1.35	67.0	15.3	2.45	17.3	1.80	18.6	1.40
60.0	19.4	1.90	21.1	1.50	22.0	1.20	64.0	17.0	1.95	19.0	1.65	20.1	1.30
57.0	21.0	1.75	22.6	1.40	23.3	1.15	61.5	18.3	1.60	20.2	1.35	21.4	1.25
54.0	22.5	1.40	24.0	1.30	24.6	1.10	60.0	19.1	1.40	20.9	1.20	22.0	1.10
51.5	23.7	1.15	25.2	1.05	25.7	1.05	55.0	21.7	0.85	23.3	0.75	24.1	0.70
50.0	24.4	1.05	25.9	0.95	26.3	0.95	50.0	24.1	0.45	25.5	0.40	26.0	0.40
45.0	26.6	0.70	27.8	0.65	28.1	0.65	Critical Boom Angle	48°		48°		48°	
40.0	28.6	0.40	29.6	0.40									
Critical Boom Angle	37°		37°		42°								

OTHER RATINGS AVAILABLE ON REQUEST

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