

SPECIFICATIONS

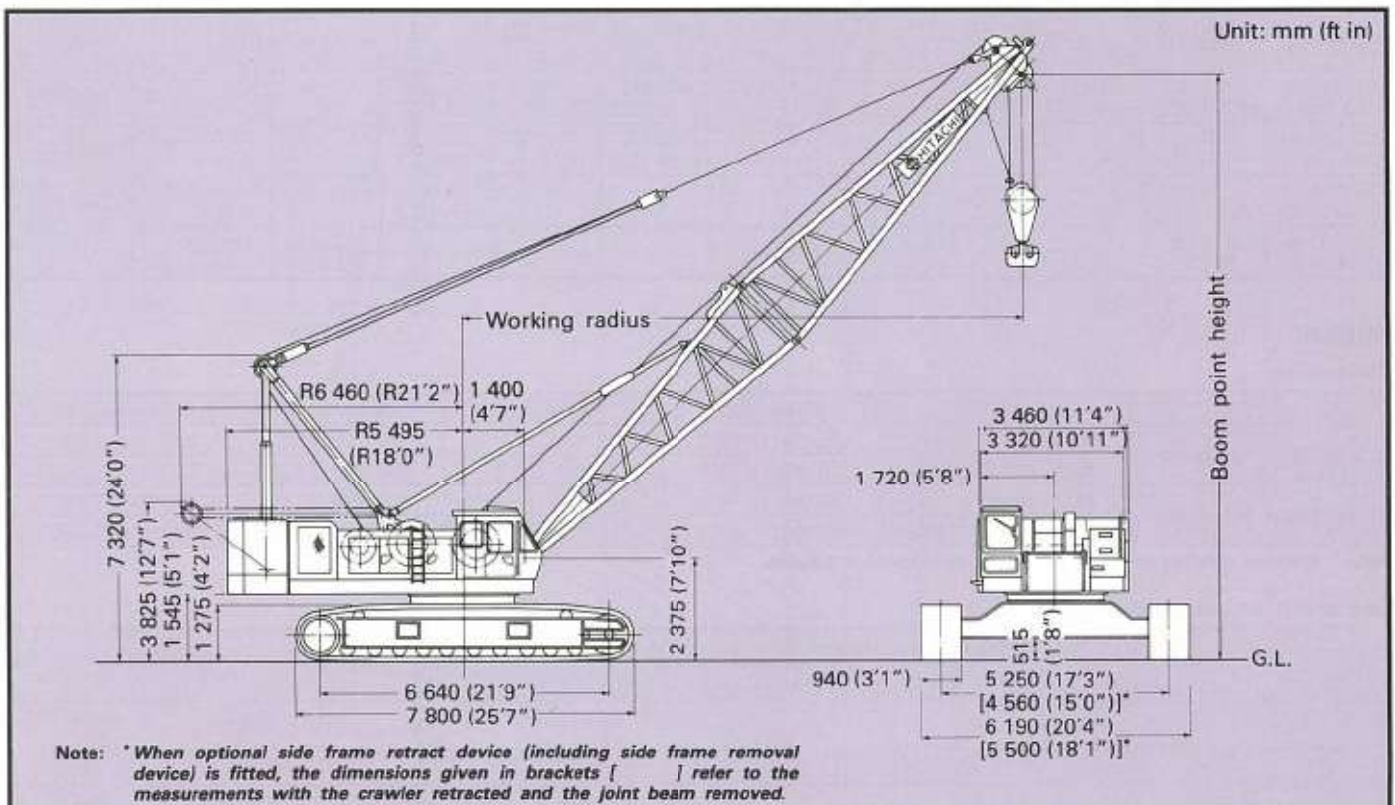


KH500-3

HYDRAULIC CRAWLER CRANE

Max. Lifting Capacity: 100 000kg (220500lb) at 5.5m (18' 1")

Dimensions

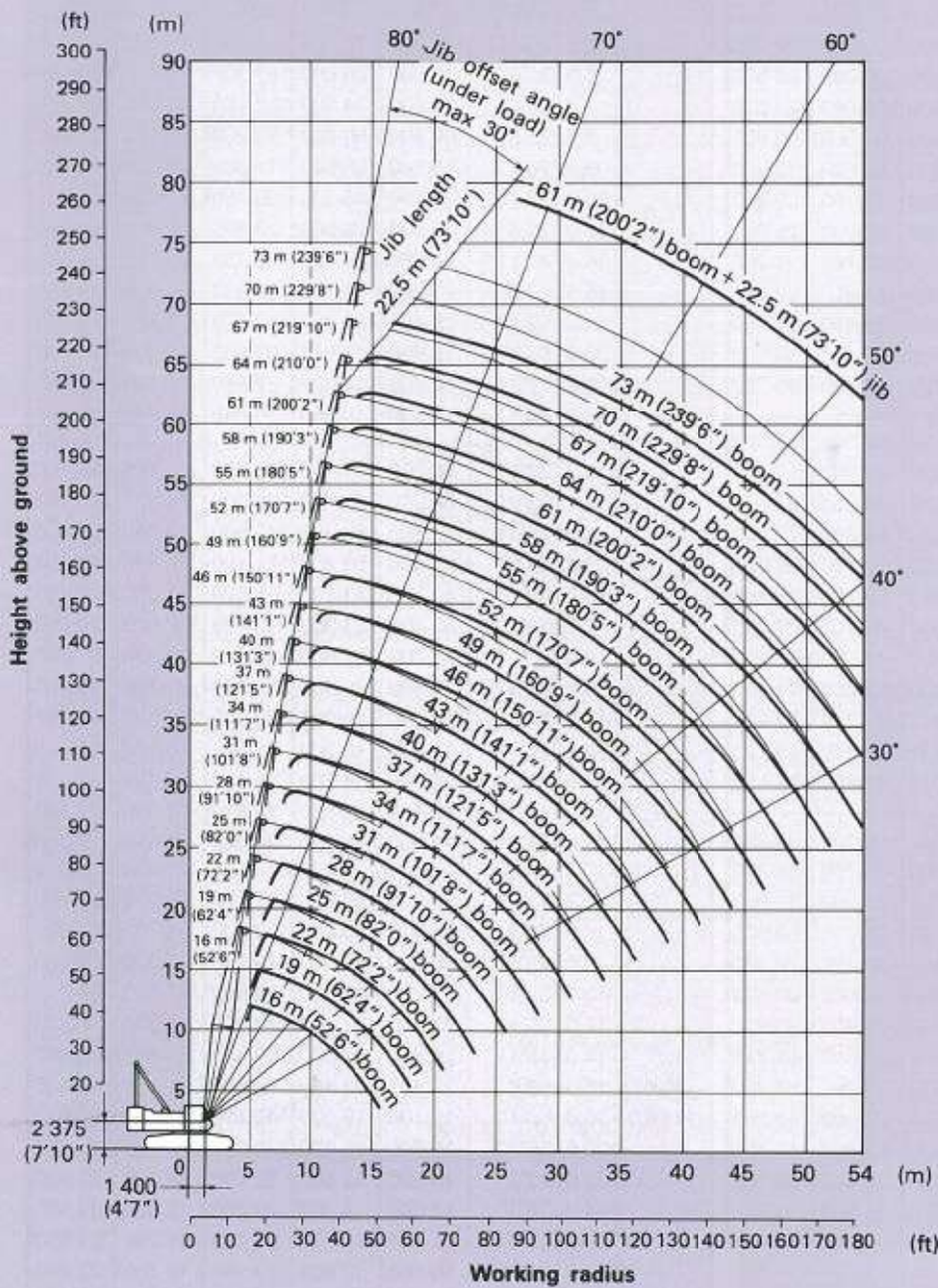


Specifications

Maximum rated load		100 000 kg (220 500 lb) at 5.5 m (18'1") working radius
Boom	Basic boom length	16.0 m (52'6")
	Max. boom length	73.0 m (239'6")
	Jib length	9.0 m (29'6") to 22.5 m (73'10")
	Max. boom with jib length	83.5 m (273'11") [61.0 m (200'2") + 22.5 m (73'10")]
Swing speed	High	0 to 2.3 min ⁻¹ (0 to 2.3 rpm)
	Low	0 to 1.4 min ⁻¹ (0 to 1.4 rpm)
Travel speed*	High	0 to 1.3 km/h (0 to 0.81 mph)
	Low	0 to 0.9 km/h (0 to 0.56 mph)
Gradeability		17° (30%)
Ground pressure		0.77 bar (0.77 kgf/cm ² , 10.9 psi)
Operating weight	Equipped with basic boom, 100 000 kg (220 500 lb) capacity hook and 33 400 kg (73 600 lb) counterweight	103 000 kg (227 100 lb)
Engine	Model	ISUZU 6RB1T
	Rated horsepower	206 kW (280 PS) at 2 000 min ⁻¹ (2 000 rpm)

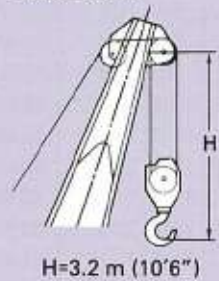
*Speeds may vary with load

Working Ranges

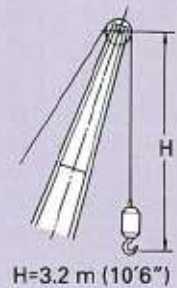


HOOK CLEARANCE

Main boom



Jib



Crane Ratings

JIS Rating:

The rated loads shown don't exceed 78% of tipping loads with the machine on firm level ground.

BS Rating:

The rated loads are determined according to BS (British Standard; 1981) on the condition that the machine is stationed on firm, level ground.

PCSA Rating:

The rated loads listed are determined according to PCSA (Power Crane and Shovel Association in U.S.A.) and do not exceed 75% of tipping load on condition that the machine is stationed on firm, level ground.

Tubular Chord Crane Boom in 360° Working Area

Boom length	Working radius		Rated load				
			JIS rating	BS rating		PCSA rating	
m(ft in)	m	ft in	kg	kg	lb	kg	lb
16.0 (52'6")	4.6	15'1"	100 000	100 000	220 500	100 000	220 500
	5.0	16'5"	100 000	100 000	220 500	100 000	220 500
	5.5	18'1"	100 000	100 000	220 500	100 000	220 500
	6.0	19'8"	91 600	91 600	201 900	91 000	200 600
	6.5	21'4"	83 200	83 200	183 400	81 600	179 900
	7.0	23'0"	75 000	75 000	165 300	72 100	159 000
	8.0	26'3"	60 600	60 600	133 600	58 200	128 300
	9.0	29'6"	50 600	50 600	111 600	48 700	107 400
	10.0	32'10"	43 400	43 400	95 680	41 800	92 150
	12.0	39'4"	33 700	33 700	74 300	32 400	71 430
	14.0	45'11"	27 400	27 400	60 410	26 400	58 200
15.4	50'6"	22 100	22 100	48 720	22 100	48 720	
19.0 (62'4")	5.1	16'9"	100 000	100 000	220 500	100 000	220 500
	5.5	18'1"	98 700	98 700	217 600	98 700	217 600
	6.0	19'8"	90 800	90 800	200 200	90 200	198 900
	6.5	21'4"	83 000	83 000	183 000	81 600	179 900
	7.0	23'0"	75 100	75 100	165 600	72 100	159 000
	8.0	26'3"	60 600	60 600	133 600	58 200	128 300
	9.0	29'6"	50 600	50 600	111 600	48 700	107 400
	10.0	32'10"	43 400	43 400	95 680	41 800	92 150
	12.0	39'4"	33 700	33 700	74 300	32 400	71 430
	14.0	45'11"	27 400	27 400	60 410	26 300	57 980
	16.0	52'6"	22 900	22 900	50 490	22 100	48 720
18.0	59'1"	18 600	18 600	41 010	18 600	41 010	
22.0 (72'2")	5.7	18'8"	88 100	88 100	194 200	88 100	194 200
	6.0	19'8"	86 200	86 200	190 000	85 700	188 900
	6.5	21'4"	83 000	83 000	183 000	81 600	179 900
	7.0	23'0"	75 000	75 000	165 300	72 100	159 000
	8.0	26'3"	60 500	60 500	133 400	58 200	128 300
	9.0	29'6"	50 600	50 600	111 600	48 600	107 100
	10.0	32'10"	43 300	43 300	95 460	41 700	91 930
	12.0	39'4"	33 500	33 500	73 850	32 300	71 210
	14.0	45'11"	27 200	27 200	59 970	26 200	57 760
	16.0	52'6"	22 800	22 800	50 270	21 900	48 280
	18.0	59'1"	19 500	19 500	42 990	18 800	41 450
	20.0	65'7"	17 000	17 000	37 480	16 400	36 160
	20.6	67'7"	16 000	16 000	35 270	15 800	34 830

Boom length	Working radius		Rated load				
			JIS rating	BS rating		PCSA rating	
m(ft in)	m	ft in	kg	kg	lb	kg	lb
34.0 (111'7")	7.7	25'3"	53 400	53 400	117 700	53 400	117 700
	8.0	26'3"	52 700	52 700	116 200	52 200	115 100
	9.0	29'6"	50 100	50 100	110 500	48 200	106 300
	10.0	32'10"	42 900	42 900	94 580	41 200	90 830
	12.0	39'4"	33 000	33 000	72 750	31 800	70 110
	14.0	45'11"	26 700	26 700	58 860	25 700	56 660
	16.0	52'6"	22 200	22 200	48 940	21 400	47 180
	18.0	59'1"	19 000	19 000	41 890	18 200	40 120
	20.0	65'7"	16 400	16 400	36 160	15 800	34 830
	22.0	72'2"	14 400	14 400	31 750	13 900	30 640
	24.0	78'9"	12 800	12 800	28 220	12 300	27 120
	26.0	85'4"	11 500	11 500	25 350	11 000	24 250
	28.0	91'10"	10 400	10 300	22 710	10 000	22 050
	30.0	98'5"	9 400	9 400	20 720	9 000	19 840
	31.0	101'8"	9 000	8 900	19 620	8 600	18 960
37.0 (121'5")	8.3	27'3"	47 100	47 100	103 800	47 100	103 800
	9.0	29'6"	45 200	45 200	99 650	44 600	98 330
	10.0	32'10"	42 700	42 700	94 140	41 100	90 610
	12.0	39'4"	32 900	32 900	72 530	31 600	69 670
	14.0	45'11"	26 500	26 500	58 420	25 500	56 220
	16.0	52'6"	22 100	22 100	48 720	21 300	46 960
	18.0	59'1"	18 800	18 800	41 450	18 100	39 900
	20.0	65'7"	16 300	16 300	35 940	15 700	34 610
	22.0	72'2"	14 300	14 300	31 530	13 700	30 200
	24.0	78'9"	12 700	12 700	28 000	12 200	26 900
	26.0	85'4"	11 300	11 300	24 910	10 900	24 030
	28.0	91'10"	10 200	10 200	22 490	9 800	21 610
	30.0	98'5"	9 200	9 200	20 280	8 900	19 620
	32.0	105'0"	8 400	8 300	18 300	8 100	17 860
	33.6	110'3"	7 800	7 800	17 200	7 500	16 540
40.0 (131'3")	8.8	28'10"	42 400	42 400	93 480	42 400	93 480
	9.0	29'6"	42 100	42 100	92 810	42 100	92 810
	10.0	32'10"	40 800	40 800	89 950	40 800	89 950
	12.0	39'4"	32 800	32 800	72 310	31 500	69 450
	14.0	45'11"	26 400	26 400	58 200	25 400	56 000
	16.0	52'6"	22 000	22 000	48 500	21 100	46 520
	18.0	59'1"	18 700	18 700	41 230	18 000	39 680
	20.0	65'7"	16 100	16 100	35 490	15 500	34 170
	22.0	72'2"	14 100	14 100	31 090	13 600	29 980
	24.0	78'9"	12 500	12 500	27 560	12 000	26 460
	26.0	85'4"	11 200	11 200	24 690	10 800	23 810
	28.0	91'10"	10 100	10 000	22 050	9 700	21 390
	30.0	98'5"	9 100	9 000	19 840	8 800	19 400
	32.0	105'0"	8 300	8 200	18 080	8 000	17 640
	34.0	111'7"	7 600	7 400	16 310	7 300	16 090
	36.0	118'1"	6 900	6 800	14 990	6 700	14 770
	36.2	118'9"	6 900	6 700	14 770	6 600	14 550

Boom length	Working radius		Rated load				
			JIS rating	BS rating		PCSA rating	
m(ft in)	m	ft in	kg	kg	lb	kg	lb
43.0 (141'1")	9.3	30'6"	38 100	38 100	84 000	38 100	84 000
	10.0	32'10"	36 700	36 700	80 910	36 400	80 250
	12.0	39'4"	32 600	32 600	71 870	31 400	69 220
	14.0	45'11"	26 200	26 200	57 760	25 200	55 560
	16.0	52'6"	21 800	21 800	48 060	21 000	46 300
	18.0	59'1"	18 500	18 500	40 790	17 800	39 240
	20.0	65'7"	16 000	16 000	35 270	15 400	33 950
	22.0	72'2"	14 000	14 000	30 860	13 400	29 540
	24.0	78'9"	12 300	12 300	27 120	11 900	26 240
	26.0	85'4"	11 000	11 000	24 250	10 600	23 370
	28.0	91'10"	9 900	9 800	21 610	9 500	20 940
	30.0	98'5"	8 900	8 800	19 400	8 600	18 960
	32.0	105'0"	8 100	8 000	17 640	7 800	17 200
	34.0	111'7"	7 400	7 200	15 870	7 100	15 650
	36.0	118'1"	6 700	6 600	14 550	6 500	14 330
	38.0	124'8"	6 200	6 000	13 230	5 900	13 010
	38.8	127'4"	6 000	5 800	12 790	5 700	12 570
46.0 (150'11")	9.8	32'2"	33 900	33 000	72 750	33 900	74 740
	10.0	32'10"	33 700	32 900	72 530	33 700	74 300
	12.0	39'4"	31 900	31 400	69 220	31 300	69 000
	14.0	45'11"	26 100	26 100	57 540	25 100	55 340
	16.0	52'6"	21 700	21 700	47 840	20 800	45 860
	18.0	59'1"	18 400	18 400	40 570	17 700	39 020
	20.0	65'7"	15 800	15 800	34 830	15 200	33 510
	22.0	72'2"	13 800	13 800	30 420	13 300	29 320
	24.0	78'9"	12 200	12 200	26 900	11 700	25 790
	26.0	85'4"	10 900	10 800	23 810	10 500	23 150
	28.0	91'10"	9 700	9 600	21 160	9 400	20 720
	30.0	98'5"	8 800	8 700	19 180	8 400	18 520
	32.0	105'0"	7 900	7 800	17 200	7 600	16 760
	34.0	111'7"	7 200	7 100	15 650	6 900	15 210
	36.0	118'1"	6 600	6 400	14 110	6 300	13 890
	38.0	124'8"	6 000	5 800	12 790	5 800	12 790
	40.0	131'3"	5 500	5 300	11 680	5 300	11 680
	41.4	135'10"	5 200	5 000	11 020	5 000	11 020
49.0 (160'9")	10.3	33'10"	30 600	28 900	63 710	30 600	67 460
	12.0	39'4"	28 500	27 600	60 850	28 000	61 730
	14.0	45'11"	26 000	26 000	57 320	25 000	55 120
	16.0	52'6"	21 500	21 500	47 400	20 700	45 640
	18.0	59'1"	18 200	18 200	40 120	17 500	38 580
	20.0	65'7"	15 700	15 700	34 610	15 100	33 290
	22.0	72'2"	13 700	13 700	30 200	13 200	29 100
	24.0	78'9"	12 100	12 000	26 460	11 600	25 570
	26.0	85'4"	10 700	10 600	23 370	10 300	22 710
	28.0	91'10"	9 600	9 500	20 940	9 200	20 280
	30.0	98'5"	8 600	8 500	18 740	8 300	18 300
	32.0	105'0"	7 800	7 600	16 760	7 500	16 540
	34.0	111'7"	7 100	6 900	15 210	6 800	14 990
	36.0	118'1"	6 400	6 200	13 670	6 200	13 670
	38.0	124'8"	5 900	5 700	12 570	5 600	12 350
	40.0	131'3"	5 400	5 100	11 240	5 200	11 460
	42.0	137'10"	4 900	4 700	10 360	4 700	10 360
	44.0	144'4"	4 500	4 300	9 480	4 400	9 700