

KATO**NEW SS-500^{SP}****ラフター
KR-50H***Special***SPECIFICATIONS**

TYPE	50 ton ROUGH TERRAIN CRANE
NAME	KR-50H

■CRANE SPECIFICATION

MAX TOTAL RATED LOAD	10.4m Boom	50,000kg x 3.0m (12 part-line)
	17.55m Boom	28,000kg x 5.0m (7 part-line)
	24.7m Boom	20,000kg x 6.0m (5 part-line)
	31.85m Boom	14,000kg x 6.5m (4 part-line)
	39.0m Boom	7,600kg x 10.0m (4 part-line)
	9.0m Jib	3,500kg x 75° (1 part-line)
	14.5m Jib	2,400kg x 77° (1 part-line)
	Rooster Sheave	4,600kg (1 part-line)
BOOM LENGTH	10.4m ~ 39.0m	
JIB LENGTH	9.0m ~ 14.5m	
MAX. RATED LIFTING HEIGHT	40.0m (boom) 54.3m (jib)	
HOISTING LINE SPEED (WINCH UP)	MAIN WINCH	134m/min (4th layer)
	AUXILIARY WINCH	116m/min (2nd layer)
HOISTING HOOK SPEED (WINCH UP)	MAIN WINCH	(12 part-line) 11.2m/min. (4th layer)
	AUXILIARY WINCH	(1 part-line) 116.0m/min. (2nd layer)
BOOM DERRICKING ANGLE	0° ~ 82°	
BOOM DERRICKING TIME	0° ~ 82° / 50sec	
BOOM EXTENDING TIME	10.4m ~ 39.0m / 113sec	
SLEWING SPEED	2.1rpm	
TAIL SLEWING RADIUS	3,600m	
■EQUIPMENT & STRUCTURE		
BOOM TYPE	Box-shaped, 5-section hydraulically telescopic type (Boom section 2 / 3, 4 / 5 simultaneously operated)	
JIB TYPE	2 sections (2nd section of hydraulically telescopic type) (offset angles 5° ~ 45°)	
BOOM EXTENSION / RETRACTION EQUIPMENT	Hydraulic cylinders (3), with wire rope	
BOOM DERRICKING / LOWERING EQUIPMENT	Hydraulic cylinder type	
WINCH SYSTEM MAIN & AUXILIARY WINCHES	2 single winch driven by hydraulic motor and via spur gear reducer With free-fall device Automatic brake with foot brake With flow regulation valve with pressure compensation	

WHEEL BASE		4,900mm
TREAD	FRONT	2,410mm
	REAR	2,410mm
SEATING CAPACITY		2
GROSS VEHICLE WEIGHT	GROSS WEIGHT	37,990kg
	FRONT	19,050kg
	REAR	18,940kg

- Stow the hooks in place before travelling.
- Before you use the machine, read the precautions in the instruction manual thoroughly to operate it correctly.
- KATO products and specifications are subject to improvements and changes without notice

UNAK
SALE & RENTAL

CARRIER SPECIFICATION

MAX. TRAVELLING SPEED	49 km/h
GRADEABILITY	0.57 (tan θ)
MINIMUM TURNING RADIUS	10.4m (2 wheel drive)
	6.2m (1 wheel drive)

ENGINE

MODEL	Mitsubishi 6D22-TC
TYPE	4-cylinder, 6-cylinders, water cooled direct-injection turbo charged diesel engine with intercooling
PISTON DISPLACEMENT	11,14 $\frac{1}{2}$ cc
MAX. POWER	320ps / 2,200rpm
MAX. TORQUE	118kg-m / 1,400rpm

ENGINE & STRUCTURE

DRIVE SYSTEM	4-wheel drive (4x4) selection	
TORQUE CONVERTER	3-element, 1-stage unit (with automatic lock-up mechanism)	
TRANSMISSION	Automatic and manual transmission 4 forward and 1 reverse speeds (with Hi / Low setting)	
NUMBER OF SPEEDS	Full floating type with 2-stage reduction device	
AXLES	FRONT	2-line hydro-pneumatic disc brake (4 wheels)
	REAR	Mechanically operated, internal expanding shoe type
SUSPENSION	FRONT & REAR	Electro-pneumatic operated exhaust brake
BRAKE SYSTEM	SERVICE BRAKE	Coil spring, 4-link type (with hydraulic lock cylinder)
	PARKING BRAKE	Coil spring, 4-link type (with hydraulic lock cylinder)
	AUXILIARY BRAKE	Fully hydraulic power steering
STEERING		With reverse steering correction mechanism
TYRE SIZE	FRONT	505 / 95 R25 183E ROAD
	REAR	505 / 95 R25 183E ROAD
FUEL TANK CAPACITY		300 liters
BATTERIES		(12V - 150Ah) X 2

SAFETY DEVICES

	Emergency steering device, Steering wheel steering lock device, Over-hift prevention device, Brake oil leakage alarm, Engine over-run alarm
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GENERAL DIMENSIONS

OVERALL LENGTH	12,600mm
OVERALL WIDTH	3,000mm
OVERALL HEIGHT	3,780mm

SLEWING EQUIPMENT		Hydraulic motor driven planetary gear reducer (with built-in negative brake Swing free / lock changeover type
OUTRIGGERS	TYPE	Ball bearing type
	EXTENSION WIDTH	Fully extended width 7,400mm
		Middle extended width 6,400mm
		Middle extended width 5,400mm
		Middle extended width 4,300mm
Fully retracted width 2,590mm		
WIRE ROPE	Main Winch	SeS (#8) + 6 x WS(31) 18mm dia. X 220m
	Auxiliary Winch	1WRC(x WS(29) 18mm dia. X 120m
•HYDRAULIC EQUIPMENT		
HYDRAULIC PUMP		2 Variable plunger type, 2 gear pumps
HYDRAULIC MOTOR	HOISTING MOTOR	Axial plunger type
	SLEWING MOTOR	Axial plunger type
CONTROL VALVE		Multiple automatic stabilization type (with Pressure compensation flow control valve)
CYLINDER		High pressure double acting type
HYDRAULIC OIL TANK CAPACITY		650 liters
•SAFETY DEVICES		
		ACS / automatic moment limiter (with Voice alarm) Swing automatic stop device Outrigger extension width detector Free-fall interlock device Over-winding cutout device Winch drum lock Automatic brake device Outrigger lock device Angle meter Swing warning lamp Hydraulic oil over-heat alarm
•STANDARD EQUIPMENT		
		Air-conditioner with dehumidifier AM / FM Radio with clock Oil Cooler
•OPERATOR'S CAB		
		Winch camera TV ACS External indication device Loudspeaker Door mirror
•OPTIONAL EQUIPMENT		
		Winch view camera, Hook for 70 / 48 ton, Slewing warning buzzer, Winch over unwinding device, Cab heater, Cab cooler, Fan, AM / FM Radio, Fire extinguisher, ACS outside indicator

(Unit : metric ton)

RADIUS (m)	WITH OUTRIGGERS 7.4M EXTENDED -360° WORKING AREA				WITH OUTRIGGERS IN 6.4M POSITION - OVER THE SIDE				WITH OUTRIGGERS IN 5.4M POSITION - OVER THE SIDE				WITH OUTRIGGERS IN 4.3M POSITION - OVER THE SIDE				WITH OUTRIGGERS IN 2.59M POSITION-OVER THE SIDE		
	BOOM LENGTH IN METRES				BOOM LENGTH IN METRES				BOOM LENGTH IN METRES				BOOM LENGTH IN METRES				BOOM LENGTH (M)		
	10.4M	17.55M	24.7M	31.95M	39.0M	10.4M	17.55M	24.7M	31.85M	39.0M	10.4M	17.55M	24.7M	31.85M	39.0M	10.4M	17.55M	24.7M	
1.0	30.00	28.00	20.00		50.00	28.00	20.00		45.00	28.00	21.00		33.00	28.00	20.00		16.00	12.00	11.00
3.2	45.00	28.00	20.00	14.00	45.00	28.00	20.00	14.00		43.30	28.00	21.00	14.00		33.00	28.00	20.00	14.00	
3.5	41.00	28.00	20.00	14.00	41.00	28.00	20.00	14.00		41.00	28.00	21.00	14.00		33.00	28.00	20.00	14.00	
4.0	37.00	28.00	20.00	14.00	37.00	28.00	20.00	14.00		37.00	28.00	21.00	14.00		27.00	28.00	20.00	14.00	
5.0	33.50	28.00	20.00	14.00	33.50	28.00	20.00	14.00	7.60	33.50	28.00	21.00	14.00	7.60	22.00	23.00	20.00	14.00	7.60
5.5	30.20	28.00	20.00	14.00	30.20	28.00	20.00	14.00	7.60	30.20	28.00	21.00	14.00	7.60	18.50	19.00	17.00	14.00	7.60
5.5	27.50	26.10	20.00	14.00	27.50	26.10	20.00	14.00	7.60	25.00	24.20	21.00	14.00	7.60	15.80	16.00	14.90	14.00	7.60
6.0	25.00	24.40	20.00	13.00	25.00	24.40	20.00	14.00	7.60	21.15	20.85	18.25	14.00	7.60	13.50	13.50	12.90	12.70	7.60
6.5	22.70	22.40	18.70	14.00	22.70	22.40	18.70	13.50	7.60	17.90	17.60	16.40	14.00	7.60	11.80	11.50	11.30	11.50	7.60
7.0	20.70	20.60	17.60	13.50	20.70	20.60	17.60	13.00	7.60	15.45	15.15	14.60	13.50	7.60	10.30	10.00	9.80	10.40	7.60
7.5	18.90	18.60	13.00	7.60	18.20	18.60	13.00	7.60	7.60	13.15	13.05	13.00	7.60		8.70	8.60	9.30	7.60	
8.0	17.50	15.60	12.50	7.60	15.95	15.60	13.50	7.60		11.95	11.45	11.90	7.60		7.70	7.60	8.10	7.60	
8.5	16.20	14.70	11.90	7.60	14.10	14.00	11.90	7.60		10.75	11.15	10.90	7.60		6.75	6.75	7.50	7.60	
9.0	15.00	13.90	11.30	7.60	12.55	12.45	11.30	7.60		9.10	9.00	9.95	7.60		6.00	6.00	6.75	7.00	
10.0	13.00	12.30	10.30	7.60	10.15	10.00	10.30	7.60		7.35	7.25	8.15	7.60		4.80	4.75	5.50	5.90	
11.0	11.00	10.90	9.40	7.10	8.35	8.20	9.00	7.10		6.00	5.90	6.75	7.10		3.85	3.75	4.50	4.90	
12.0	9.30	9.20	8.65	6.60	6.95	6.85	7.75	6.60		4.95	4.85	5.70	6.10		3.05	2.90	3.70	4.15	
13.0	7.90	7.75	8.00	6.15	5.95	5.75	6.60	6.15		4.10	4.00	4.80	5.25		2.35	2.20	3.05	3.50	
14.0	6.70	6.60	7.40	5.45	5.00	4.85	5.65	5.75		3.40	3.20	4.10	4.55		1.75	1.60	2.50	2.95	
15.0	5.85	5.50	6.30	5.35	4.10	4.00	5.35			2.55	2.50	3.30	3.90		1.10	1.00	2.00	2.50	
15.0	4.00	3.70	5.30		3.35	3.25	4.70			1.95	1.90	3.40			0.65	1.50	2.05		
16.0	3.50	3.40	4.10		2.20	2.15	3.65			1.65	1.55	2.50			0.40	1.30			
19.0	2.95	3.05	4.15		1.75	2.70	3.20			1.65	1.55	2.10						1.00	
20.0	2.50	3.15	3.30		1.35	2.25	2.80			1.20	1.15							0.75	
21.0	2.05	2.95	3.50		1.00	1.90	2.40			0.90	0.85								
22.0		2.55	3.10			1.55	2.10			0.65	1.15								
24.0		1.85	2.40			1.00	1.50			0.65									
26.0		1.30	1.85			0.55	1.00												
28.0		0.90	1.35				0.65												
30.0			0.95																
37.0			0.65																
33.0			0.50																
C.B.A.						23	27			37	45				49	49	54		60
SHK	50t		22t		50t		22t			50t		22t			50t		22t		22t
H.K.M.	420kg		270kg		420kg		270kg			420kg		270kg			420kg		270kg		270kg
P.L.	12	7	5	4	4	12	7	5	4	4	12	7	5	4	4	12	7	5	

LEGON - C.B.A. - CRITICAL BOOM ANGLE

SHK - STANDARD HOOK

H.K.M. - HOOK MASS

P.L. - PART LINES

