

CRAWLER EXCAVATOR SERIES PC450-6

KOMATSU



The machine shown may vary according to territory specifications

active

Designed and manufactured in Europe, for European preferences and needs, the PC450-6 delivers the ultimate balance of productivity, reliability, and operator comfort. Komatsu's on-board, patented HydraMind hydraulic system assists every operation with versatile machine performance criteria that's always perfectly matched to each task.

HYDRAULIC EXCAVATOR PC450-6

MODELS PC450-6, PC450LC-6

FLYWHEEL HORSEPOWER: **228 KW (306 HP)** SAEJ1349

BUCKET CAPACITY: UP TO **2.70** m³ SAE

WEIGHT RANGE: UP TO **45.000** kg

PRODUCTIVE AND FLEXIBLE

Like all Komatsu dash-6 excavators, the PC450-6 has power, speed and control to give exceptional productivity.

Engine power

The starting point for productivity is engine power. The turbo-charged engine not only delivers a huge 306 HP, it is also fuel efficient and meets all current emissions and noise standards. Fuel consumption and noise is further improved using the auto-deceleration system, which automatically reduces engine speed when the wrist control levers are in neutral after a few seconds.



Fast and powerful digging

Engine power, high pump output and the control of the HydrauMind hydraulic system all contribute to give an excavator with exceptionally fast and powerful digging forces.

EASY OPERATION

Working Mode Selection

Five working modes are designed to deliver optimal overall machine performance for heavy-duty, general, finishing, lifting and breaker operations. When selected, the mode governs the most efficient combination of engine speed, pump speed and system pressure for the task.

The G/O mode has proven to be exceptional as a general running mode, delivering substantial savings in fuel, based on a measure of tonnes excavated/litre of fuel.

Working Mode	Application	Advantage
H/O	for heavy operations such as hard digging and loading	<ul style="list-style-type: none"> • Maximum production and power • Fast cycle times • Power Max/Swift Slow Down modes available
G/O	for general operations with exceptional fuel economy	<ul style="list-style-type: none"> • Good cycle times • Exceptional fuel economy • Power Max/Swift Slow Down modes available
F/O	for finishing operations that require fine control with task-matched work equipment speeds	<ul style="list-style-type: none"> • Smooth finishing capability • Arm at half-speed
L/O	for precise, powerful lifting operations	<ul style="list-style-type: none"> • Increased, continuous relief pressure • Reduced speed • Fine precision control
B/O	for powerful breaker operations	<ul style="list-style-type: none"> • Optimal pressure and flow • Optimum engine rpms

Power Max/Swift Slow Down

Power Max can be selected by depressing a joystick button for an instant burst of power to help break through tough digging situations.

Swift Slow Down joystick activated to diminish all work equipment speeds to half, allowing finishing and delicate operations to be carried out with ultimate precision.

Selection	Application	Result
Power up	Tough Digging Operations	Increase implement force by 9% for 8.5 seconds
Speed down	Delicate Operations	Speed is reduced by 1/2. Increase implement force by 9% as long as joystick button is pressed.



Active mode

When productivity is the highest-level priority, the Active mode is the ideal supplement to the five working modes. It increases engine speed, pump flow, and boom-down speed, to increase productivity by up to 10% greater than operations in the H/O Heavy Duty working mode.

The new "Active" logo with the green "+" confirms that the machine has all of the popular Komatsu "Active" attributes, plus a generous new offering of on-board operator comforts for a better, more productive work environment.



OPERATOR COMFORT

All sources of operator fatigue have been carefully considered during the design process. The result is a cab offering unparalleled space and ergonomics, combined with exceptionally low vibration and noise.



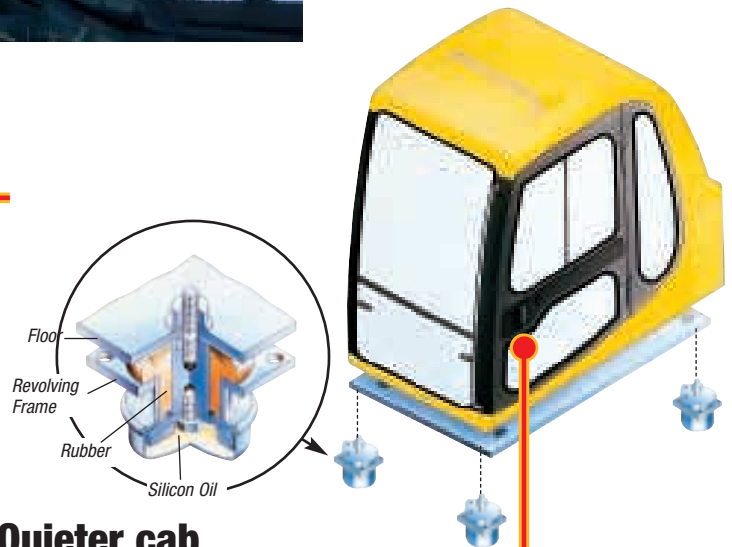
Outstanding operator space

The cab offers unparalleled space for the operator, with generous leg and headroom as well as a large space to store personal belongings behind the seat. The multi-adjustable seat and controls can be set to create the ideal individual working position for any operator.



Superb visibility

Plexiglas roof with sun visor. The optional new plexiglas roof with sun visor gives the operator a better view of overhead obstacles and machine operations. It also allows more natural light to illuminate the cab's interior.



Quieter cab

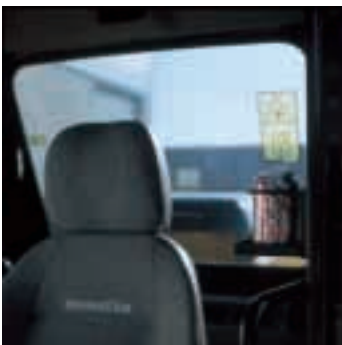
Viscous damping cab mounts ensure a quieter work environment, reducing operator fatigue whilst helping concentration.

CONTROL

Komatsu was the first to introduce computer control into excavators. The latest control system used by the PC450-6 is sophisticated but easy to use.



Front visibility is further improved by the use of the Komatsu patented wiper system. When not in use the wiper parks on the cab frame itself with no contact with the front window. As well as giving excellent visibility, this system avoids the need to disconnect the wiper before lifting the front window.



The new, secure beverage holder is thoughtfully placed within the sight and easy reach of the operator.



Now, factory-wired 4-switch levers can be specified when ordering a new machine. Installed at the time of manufacture, the wires integrate within the standard internal harness, giving secure and easy expansion to connect additional functionalities. The wrist control levers are elevated for comfortable hand access.



The new, optional air suspension heated seat is the ultimate in comfort for operators who work long hours in cold climates.



12v in-cab power supply
A 12v, in-cab power supply is now standard-installed, in addition to the normal 24v service. It's a welcome addition for operators who want services such as powering or recharging their mobile phones.



Four Diagnostic Modes

1. Time Display mode

The default setting. It shows the time and hours meter.

2. User Code Display mode

Displays a trouble code and sounds an alarm when a problem has been detected.

3. Trouble Data Memory mode

Monitors 32 separate items and stores up to 20 abnormalities over 999 hours for effective troubleshooting.

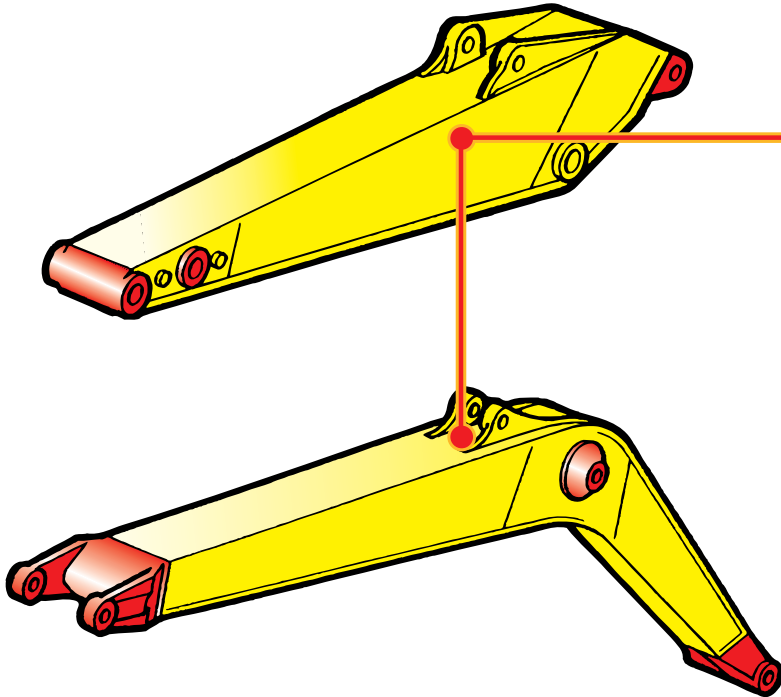
4. Operation Data mode

20 operating parameters, for example engine speed and hydraulic pressure, are continuously monitored so the operator can be informed immediately of a problem. In addition, service engineers can carry out electrical connection diagnostics.

Together these 4 diagnostic modes allow troubleshooting of 119 different potential problems to keep the machine operating at peak performance.

DURABILITY AND RELIABILITY

Komatsu has years of experience in the design and manufacture of hydraulic excavators. All of this experience has been used to make the PC450-6 exceptionally durable, even in the most arduous of applications.



Designed and built for strength

Using the latest computer aided design techniques and exhaustive testing, the boom and arm designs have been optimised for strength and durability. A key feature is the extensive use of large castings, which distribute load evenly in high stress areas. The boom top and bottom plates are manufactured from single plates, again to distribute loads evenly and avoid potential weak points.

The highly automated manufacturing process uses the very latest equipment and quality control techniques. Critical welding is carried out by robots to ensure an extremely high quality and consistent product.

X-frame undercarriage

The X-frame undercarriage is a well-proven, Komatsu design used throughout the excavator range. The 'X'-design minimises distortion and twisting of the outer track-frames. This not only gives a long service life, but is also a significant factor in the stability of the excavator. Track-frame under-guards are installed as standard to protect the hydraulic components.

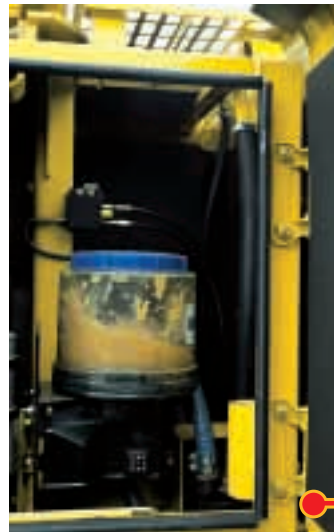


Optional full-length track roller guard

The new, full-length track roller guard prevents rocks from entering the tracks, reducing internal track wear. It also assists as a supplementary track guide.

SERVICEABILITY

Rapid and effective servicing and diagnostics are essential for machine availability and reduced servicing costs.



Accessible service locations

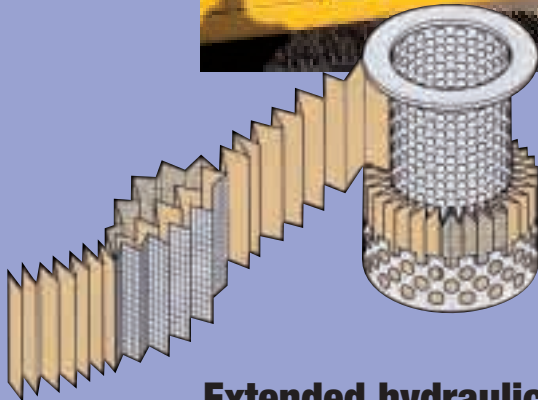
The operator and service staff can safely climb onto the machine using the large handrails and access all service locations easily through the wide opening doors and hoods. Service details include centralised greasing points and full guarding of the turbo-charger, fan and ancillary drive belts. Re-fuelling is quickly accomplished using the standard re-fuel pump.

Automatic greasing

Increase your productivity and reduce the maintenance costs with the optional factory installed Komatsu automatic greasing system (optional).

Extended hydraulic oil change intervals

The introduction of a new hybrid filter has extended the filter change interval to 500 hours and the oil itself now only needs to be replaced every 5 000 hours. Also to ensure that engine oil change intervals are followed, a new oil-change indicator function has been incorporated into the monitor panel. This warns the operator when a pre-set number of operating hours has elapsed, and displays the telephone number of the nearest Komatsu service centre.



Komatsu service support

Full service support is available through the Komatsu distributor network, backed-up by excellent parts availability from the Komatsu European parts distribution centre.



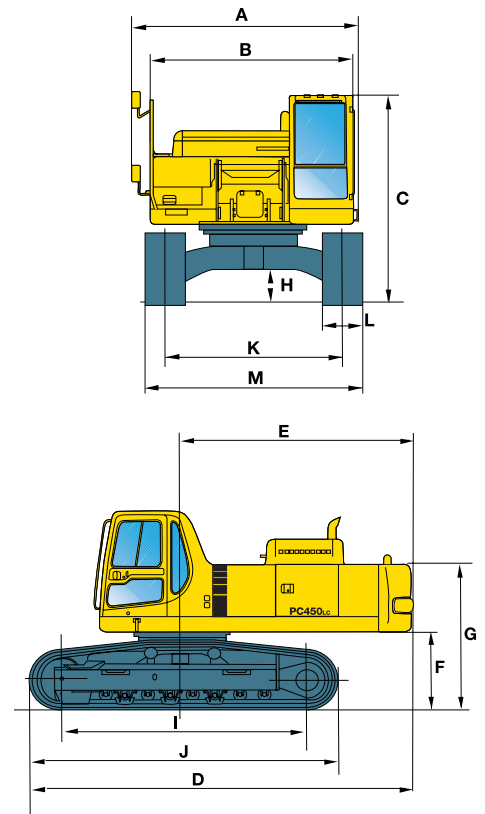
MACHINE DIMENSIONS

PC450-6

PC450-6 / PC450LC-6

	PC450-6	PC450LC-6
A Overall width of upper structure	3397 mm	3397 mm
B Overall width of machine cab	2995 mm	2995 mm
C Overall height of cab	3400 mm	3400 mm
D Overall length of basic machine	6020 mm	6180 mm
E Tail swing radius	3660 mm	3660 mm
F Clearance under counterweight	1455 mm	1455 mm
G Machine tail height	2500 mm	2500 mm
H Ground clearance	706 mm	706 mm
I Track length on ground	4020 mm	4350 mm
J Track length	5026 mm	5356 mm
K Track gauge	*2372 mm 2870 mm	*2372 mm 2870 mm
L Track shoe width	600, 700, 800 mm	600, 700, 800 mm
M Overall track width with 600 mm shoe	*2972 mm 3470 mm	*2972 mm 3470 mm
	700 mm shoe	*3072 mm 3570 mm
	800 mm shoe	*3172 mm 3670 mm

* transport dimensions



TRANSPORTATION DIMENSIONS

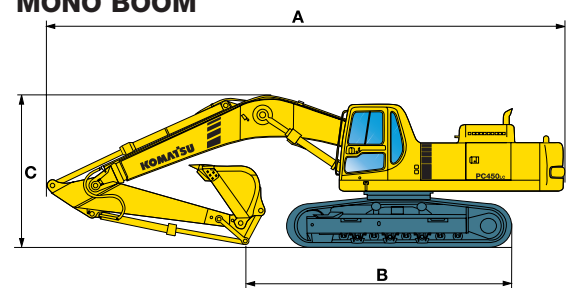
PC450-6

PC450-6 / PC450LC-6

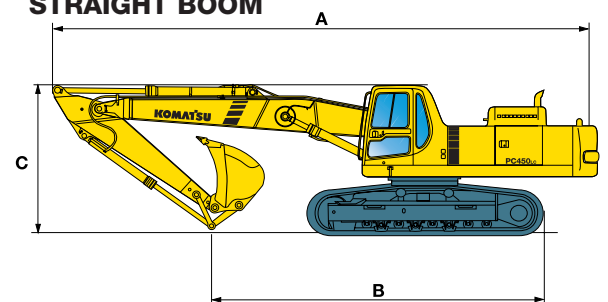
Arm	2400 mm	2900 mm	3400 mm	4000 mm	4800 mm	
PC450-6	A	11915 mm	11885 mm	11835 mm	11850 mm	11685 mm
	B	8270 mm	7260 mm	6520 mm	6055 mm	5860 mm
	C	3755 mm	3810 mm	3675 mm	3835 mm	4425 mm
PC450LC-6	A	11915 mm	11885 mm	11835 mm	11850 mm	11685 mm
	B	8435 mm	7425 mm	6685 mm	6220 mm	6025 mm
	C	3755 mm	3810 mm	3675 mm	3835 mm	4425 mm
PC450-6	A	12752 mm	12695 mm	12698 mm	-	-
	B	9690 mm	8755 mm	8063 mm	-	-
	C	3458 mm	3400 mm	3400 mm	-	-
PC450LC-6	A	12752 mm	12695 mm	12698 mm	-	-
	B	9855 mm	8920 mm	8228 mm	-	-
	C	3458 mm	3400 mm	3400 mm	-	-

Dimensions shown are for 8000 mm straight boom

MONO BOOM



STRAIGHT BOOM



ENGINE

Type 6 cylinder, direct injection, emissionised, turbocharged, intercooled diesel,
 Model Komatsu SAA6D125E-2
 Power rating
 SAE J1349 (Gross)..... 241 kW (323.5HP) at 2050 rpm
 SAE J1349 (Net) 228 kW (306 HP) at 2050 rpm
 Bore x stroke 125 mm x 150 mm
 Piston displacement 11.04 litre
 Air-cleaner and cooling Double element type with monitor panel dust indicator and auto dust evacuator.
 Suction type cooling fan with radiator flyscreen.

ELECTRICAL SYSTEM

Alternator 24 Volt, 50 ampere
 Batteries 2 x 12 Volt, 150 AH
 Starter motor 24 Volt, 11 kW

HYDRAULIC SYSTEMS

Type HydraulMind. Closed-centre system with load sensing and pressure compensation valves.
 Additional circuits Depending on specification upto 2 additional circuits can be installed.
 Main pump 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
 Maximum pump flow 2 x 326 litre/min
 Relief valve settings
 Implement 355 kg/cm²
 Travel 355 kg/cm²
 Swing 285 kg/cm²
 Pilot circuit 30 kg/cm²

DRIVES & BRAKES

Steering control 2 levers with pedals giving full independent control of each track.
 Drive method Enclosed variable displacement axial piston motor driving through planetary double reduction gearbox for each track.
 Travel operation Automatic 3-speed selection
 Travel speeds Lo / Mi / Hi 3.2 / 4.5 / 5.4 km/h
 Maximum drawbar pull 34,000 kg
 Brake system Hydraulically operated discs in each travel motor.

SWING SYSTEM

Type Axial piston motor driving through planetary double reduction gearbox.
 Swing lock Electrically actuated wet multi-disc brake integrated into swing motor.
 Swing speed 0 to 9.1 rpm

ENVIRONMENT

Engine emissions Fully complies with EC stage 2 exhaust emission regulations.
 Noise levels LWA External noise 109 dB(A) (95/27/EC)
 LPA Operator ear noise 77 dB(A) (95/27/EC)

UNDERCARRIAGE

Construction X-frame centre section with box section track-frames
 Track assembly
 Type Fully sealed.
 Shoes (each side) 46 (PC450), 49 (PC450LC)
 Tension Combined spring and hydraulic unit
 Rollers
 Track rollers (each side) 7 (PC450), 8 (PC450LC)
 Carrier rollers (each side) 2

SERVICE / REFILL CAPACITIES

Fuel tank 605.0 ltr
 Radiator 44.0 ltr
 Engine 34.0 ltr
 Swing drive 21.5 ltr
 Hydraulic tank 270.0 ltr
 Final drive (each side) 11.5 ltr

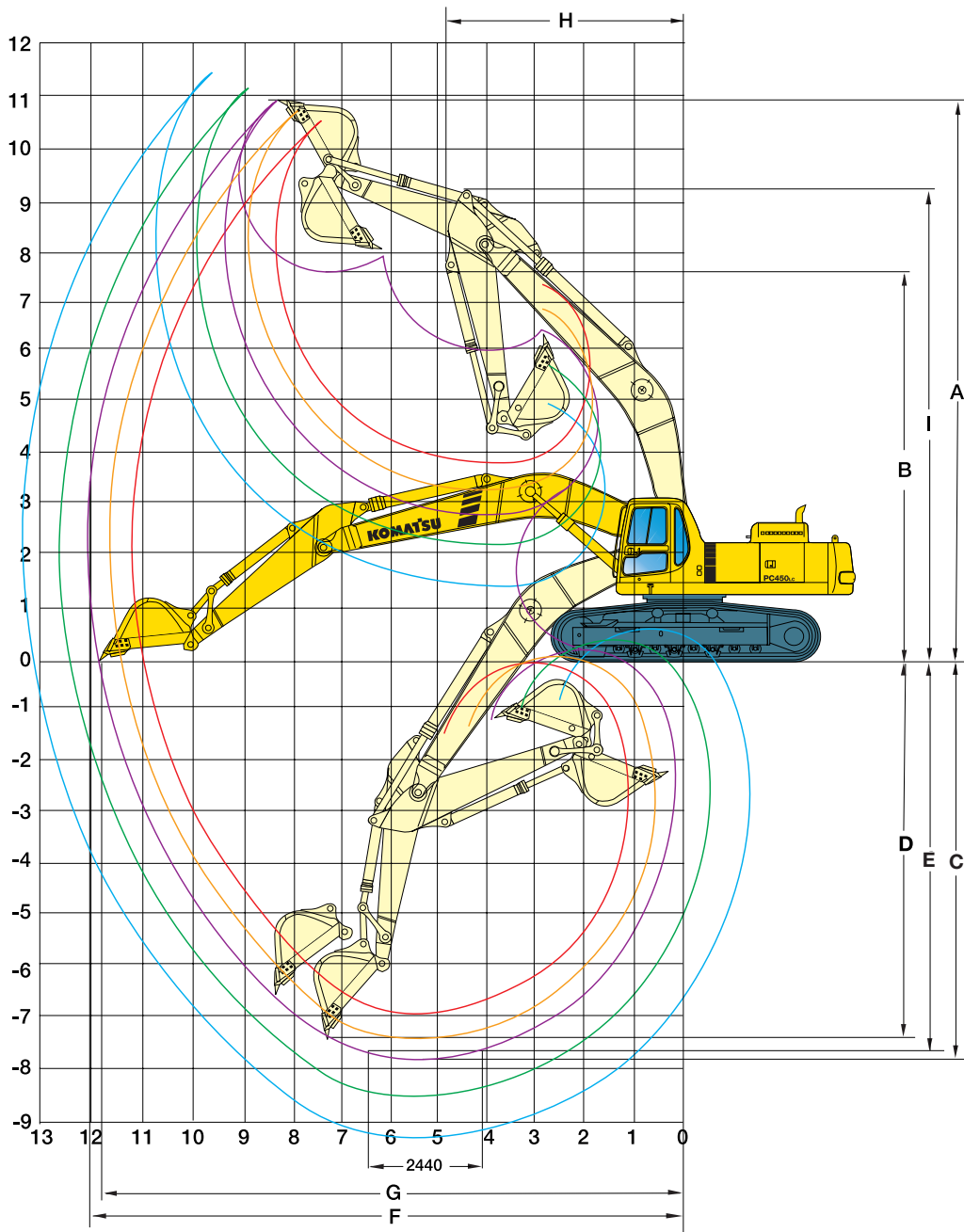
OPERATING WEIGHT

Operating weight, including 7060 mm one-piece boom, 3380 mm arm, SAE heaped 2.0 m³ backhoe bucket, operator, lubricant, coolant, full fuel tank and standard equipment.

Triple grouser shoes	PC450-6		PC450LC-6	
	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	43060 kg	0.82 kg/cm ²	43760 kg	0.77 kg/cm ²
700 mm	43480 kg	0.71 kg/cm ²	44200 kg	0.67 kg/cm ²
800 mm	43920 kg	0.63 kg/cm ²	44660 kg	0.59 kg/cm ²

MONO BOOM

PC450-6 / PC450LC-6



Arm length		2400 mm	2900 mm	3400 mm	4000 mm	4800 mm
A	Max. digging height	10425 mm	10435 mm	11050 mm	11175 mm	11635 mm
B	Max. dumping height	7185 mm	7225 mm	7700 mm	7855 mm	8285 mm
C	Max. digging depth	6655 mm	7155 mm	7630 mm	8255 mm	9065 mm
D	Max. vertical wall digging depth	5205 mm	5550 mm	6720 mm	7150 mm	8085 mm
E	Max. digging depth of cut for 2.44 m level	6455 mm	6965 mm	7490 mm	8125 mm	8950 mm
F	Max. digging reach	11055 mm	11435 mm	12020 mm	12550 mm	13350 mm
G	Max. digging reach at ground	10800 mm	11190 mm	11780 mm	12325 mm	13135 mm
H	Min. swing radius	4855 mm	4825 mm	4770 mm	4800 mm	4885 mm
I	Max. height of min. swing	9475 mm	9465 mm	9330 mm	9350 mm	9350 mm

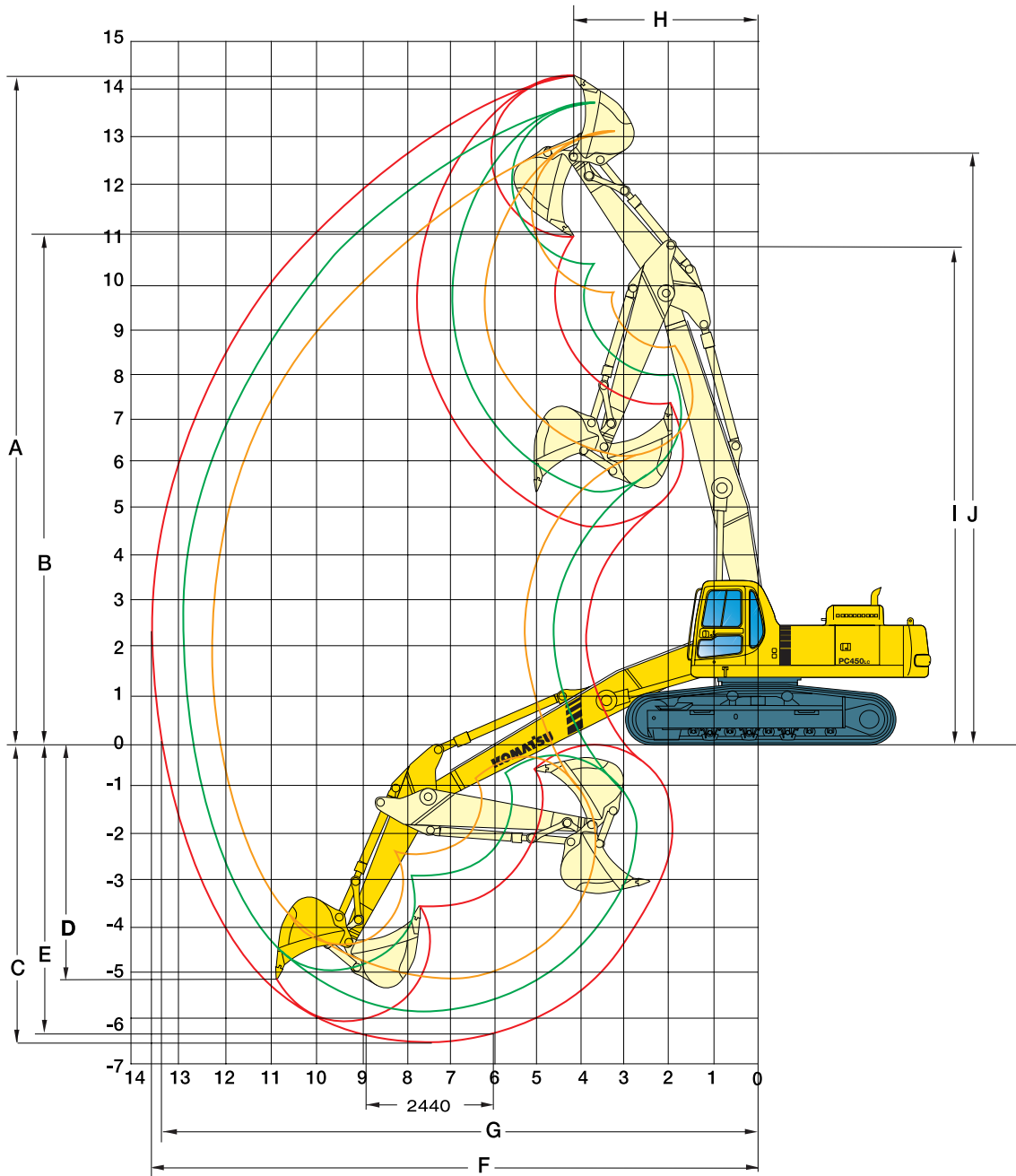
WORKING RANGES

PC450-6

STRAIGHT BOOM

The straight boom is intended for demolition applications. The digging range is shown for reference only. Please consult with your distributor regarding the correct selection of demolition attachment.

PC450-6 / PC450LC-6

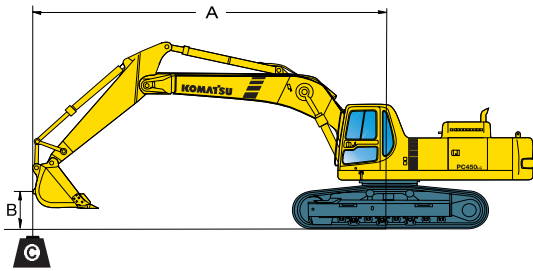


Arm length		2400 mm	2900 mm	3400 mm
A	Max. digging height	13573 mm	13816 mm	14446 mm
B	Max. dumping height	9914 mm	10188 mm	10767 mm
C	Max. digging depth	5385 mm	5885 mm	6366 mm
D	Max. vertical wall digging depth	4306 mm	4781 mm	4968 mm
E	Max. digging depth of cut for 2.44 m level	5236 mm	5726 mm	6221 mm
F	Max. digging reach	12178 mm	12600 mm	13166 mm
G	Max. digging reach at ground	11949 mm	12379 mm	12953 mm
H	Min. swing radius	4300 mm	4210 mm	3995 mm
I	Max. height of min. swing	11252 mm	11237 mm	11176 mm
J	Max. pin height	11760 mm	12031 mm	12616 mm

LIFTING CAPACITIES

PC450-6

PC450-6



- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities, including bucket linkage (433 kg) and bucket cylinder (343 kg)

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

- Rating over front
- Rating over side
- Rating at maximum reach

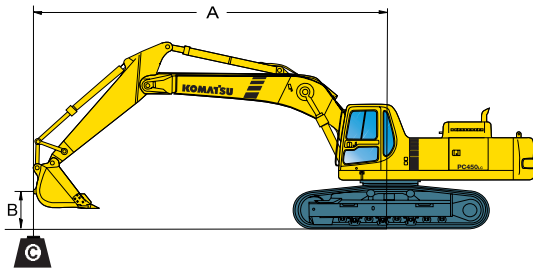
Arm length	A			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m		
With 600 mm shoe 4810 mm 1150 kg 1.30 m ²	6.0 m	kg	*3650	*3650										
	4.5 m	kg	*3750	3700										
	3.0 m	kg	*3900	3450	*9550	8450	*11600	*11800						
	1.5 m	kg	*4200	3350	*10700	7950	*13650	11350	*19150	17950				
	0.0 m	kg	*4650	3400	11050	7500	*15100	10600	*21350	16650	*9100	*9100		
	-1.5 m	kg	*5350	3550	10700	7150	15400	10150	*22000	16000	*11600	*11600	*7450	*7450
	-3.0 m	kg	5950	3900	10550	7000	15150	9900	*21350	15800	*15250	*10900	*10900	*10900
	-4.5 m	kg	6900	4550	10500	7000	*14650	9900	*19600	15900	*19950	*19950	*14850	*14850
With 600 mm shoe 4000 mm 1150 kg 1.30 m ²	6.0 m	kg	*4800	4750										
	4.5 m	kg	*4950	4250	*9300	8750								
	3.0 m	kg	*5200	4000	*10400	8250	*12900	11900	*17750	*17750				
	1.5 m	kg	*5650	3900	11400	7800	*14650	11050	*20800	17200				
	0.0 m	kg	5950	3950	10950	7400	15700	10450	*22050	16300	*8550	*8550		
	-1.5 m	kg	6300	4200	10700	7200	15350	10100	*21850	15950	*12550	*12550	*8850	*8850
	-3.0 m	kg	7000	4650	10600	7100	15250	10000	*20550	15950	*17450	*17450	*13100	*13100
	-4.5 m	kg	*8100	5600	*10600	7150	*13800	10150	*18100	16200	*23550	*23550	*17950	*17950
With 600 mm shoe 3400 mm 1150 kg 1.30 m ²	6.0 m	kg	*5750	5350	*9150	9050								
	4.5 m	kg	*5900	4800	*10050	8650	*12050	*12050						
	3.0 m	kg	*6250	4450	*11100	8200	*13950	11700	*19500	18350				
	1.5 m	kg	6450	4350	11400	7800	*15450	11000	*21100	16950				
	0.0 m	kg	6600	4450	11050	7750	15750	10500	*20050	16350				
	-1.5 m	kg	7050	4750	10850	7300	15500	10300	*21550	16200	*13050	*13050		
	-3.0 m	kg	7950	5350	10850	7300	*15050	10250	*19750	16300	*19200	*19200	*14950	*14950
	-4.5 m	kg	*8500	6600	*9850	7450	*13000	10450	*16750	16700	*21750	*21750		
With 600 mm shoe 2900 mm 1150 kg 1.30 m ²	6.0 m	kg	8700	6050	*9700	8900								
	4.5 m	kg	7800	5350	*10550	8550	*12750	12350	*17000	*17000				
	3.0 m	kg	7300	6000	*11600	8100	*14500	11550						
	1.5 m	kg	7150	4850	11900	7700	*15800	10800						
	0.0 m	kg	7350	4950	11000	7450	15850	10400	*20800	16200				
	-1.5 m	kg	7900	5350	10850	7350	15500	10250	*20850	16200	*14950	*14950		
	-3.0 m	kg	9100	6150	10900	7350	*14550	10350	*18700	16450	*23150	*23150		
	-4.5 m	kg	*9250	7900			*12000	10600	*15250	*15300	*18850	*18850		
With 600 mm shoe 2400 mm 1150 kg 1.30 m ²	6.0 m	kg	9400	6600	*10250	8800								
	4.5 m	kg	8400	5800	*11050	8450	*13500	12100	*18400	*18400				
	3.0 m	kg	7850	5400	11650	8050	*14950	11150						
	1.5 m	kg	7700	5250	11250	7700	15950	10700						
	0.0 m	kg	7900	5400	11000	7500	15800	10400	*18850	16200				
	-1.5 m	kg	8600	5850	10950	7400	15550	10350	*19950	16300				
	-3.0 m	kg	*9800	6850	*10800	7500	*13950	10450	*17500	16600	*20500	*20500		
	-4.5 m	kg	*9200	9100			*10650	10650	*13600	*13600				

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITIES

PC450-6

PC450LC-6



- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities, including bucket linkage (433 kg) and bucket cylinder (343 kg)

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

- Rating over front
- Rating over side
- Rating at maximum reach

Arm length	A			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m		
With 600 mm shoe 4810 mm 1150 kg 1.30 m³	6.0 m	kg	*3650	*3650										
	4.5 m	kg	*3750	*3750										
	3.0 m	kg	*3900	3600	*9550	8700	*11600	*11600						
	1.5 m	kg	*4200	3500	*10700	8150	*13650	11650	*19150	18400				
	0.0 m	kg	*4650	3500	*11650	7700	*15100	10900	*21350	17100	*9100	*9100		
	-1.5 m	kg	*5350	3700	*12150	7400	*15800	10450	*22000	18450	*11800	*11800	*7450	*7450
	-3.0 m	kg	*6350	4050	*12100	7200	*15650	10200	*21350	16250	*15250	*15250	*10900	*10900
	-4.5 m	kg	*7400	4750	*11300	7200	*14650	10200	*19600	16350	*19950	*19950	*14850	*14850
	With 600 mm shoe 4000 mm 1150 kg 1.30 m³	6.0 m	kg	*4800	*4800									
4.5 m		kg	*4950	4400	*9300	9000								
3.0 m		kg	*5200	4150	*10400	8500	*12900	12200	*17750	*17750				
1.5 m		kg	*5650	4050	*11400	8000	*14650	11350	*20800	17700				
0.0 m		kg	*6350	4100	*12100	7650	*15700	10750	*22050	16750	*8550	*8550		
-1.5 m		kg	7250	4350	*12350	7400	*15950	10400	*21850	16400	*12550	*12550	*8850	*8850
-3.0 m		kg	8100	4850	*11900	7300	*15350	10350	*20550	16400	*17450	*17450	*13100	*13100
-4.5 m		kg	*8100	5800	*10600	7400	*13800	10450	*18100	16650	*23550	*23550	*17950	*17950
With 600 mm shoe 3400 mm 1150 kg 1.30 m³		6.0 m	kg	*5750	5500	*9150	*9150							
	4.5 m	kg	*5900	4950	*10050	8900	*12050	*12050						
	3.0 m	kg	*6250	4600	*11100	8450	*13950	12050	*19500	18800				
	1.5 m	kg	*6800	4500	*12000	8050	*15450	11300	*21100	17400				
	0.0 m	kg	7600	4600	*12500	7700	*16150	10800	*20050	16800				
	-1.5 m	kg	8100	4900	*12250	7550	*16050	10600	*21550	16650	*13050	*13050		
	-3.0 m	kg	*8650	5550	*11750	7600	*15050	10550	*19750	16800	*19200	*19200	*14950	*14950
	-4.5 m	kg	*8500	6800	*9850	7700	*13000	10750	*18750	*18750	*21750	*21750		
	With 600 mm shoe 2900 mm 1150 kg 1.30 m³	6.0 m	kg	*8750	6250	*9700	9100							
4.5 m		kg	*8800	5550	*10550	8750	*12750	12650	*17000	*17000				
3.0 m		kg	8350	5150	*11500	8350	*14500	11800						
1.5 m		kg	8200	5000	*12250	7950	*15800	11100						
0.0 m		kg	8400	5150	*12600	7700	*16250	10700	*20800	16650				
-1.5 m		kg	9050	5500	*12350	7550	*15850	10550	*20850	16650	*14950	*14950		
-3.0 m		kg	*9450	6350	*11350	7600	*14550	10650	*18700	16900	*23150	*23150		
-4.5 m		kg	*9250	8100			*12000	10900	*15250	*15250	*18850	*18850		
With 600 mm shoe 2400 mm 1150 kg 1.30 m³		6.0 m	kg	*9500	6800	*10250	9050							
	4.5 m	kg	*9450	6000	*11050	8700	*13500	12450	*18400	*18400				
	3.0 m	kg	8950	5550	*11900	8300	*14950	11450						
	1.5 m	kg	8800	5450	*12500	7950	*16150	11000						
	0.0 m	kg	9100	5550	12650	7700	*16300	10700	*18850	16650				
	-1.5 m	kg	*9850	6050	*12250	7650	*15600	10650	*19950	16600				
	-3.0 m	kg	*9800	7050	*10800	7750	*13950	10750	*17500	17100	*20500	*20500		
	-4.5 m	kg	*9250	*9200			*10650	*10650	*13600	*13600				

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Specifications and equipments may vary according to regional availability

BUCKET AND ARM COMBINATION

Bucket capacity (heaped) SAE, PCSA	Width without side cutters	Weight with side cutters	Arm				
			2.4 m	2.9 m	3.4 m	4.0 m	4.8 m
1.30 m ³	1000 mm	1150 kg	○	○	○	○	○
1.65 m ³	1200 mm	1350 kg	○	○	○	○	○
2.00 m ³	1.80 m ³	1679 kg	○	○	○	○	○
2.30 m ³	1600 mm	1800 kg	○	○	○	○	□
2.70 m ³	1800 mm	1997 kg	○	○	○	□	△

These charts are based on over-side stability with fully loaded bucket at maximum reach.
A wide variety of buckets & attachments is available. Contact your local dealer for more information.
* With side cutters
** Rock bucket

○ Material weight up to 1.8 t/m³
□ Material weight up to 1.5 t/m³
△ Material weight up to 1.2 t/m³
X Not useable

Please consult with your distributor for the correct selection of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operating conditions.

Komatsu KMX Teeth



- for heavy duty applications Komatsu offers the Komatsu KMX bolt-on tooth system
- self sharpening, reversible teeth made of Sagitta steel (>500 brinell)
- longer lifetime, less downtime, better penetration and improved loading capacity lead to increased efficiency and lower total cost per loaded tonnes

Komatsu Sharp Teeth



- the complete range of sharp teeth gives you excellent penetration power for all excavator models
- self sharpening teeth ideal for compacted and frozen soils or sand with rocks
- sharp corners are available to protect the bucket corners (will also ease the mount of grading blade on the bucket)

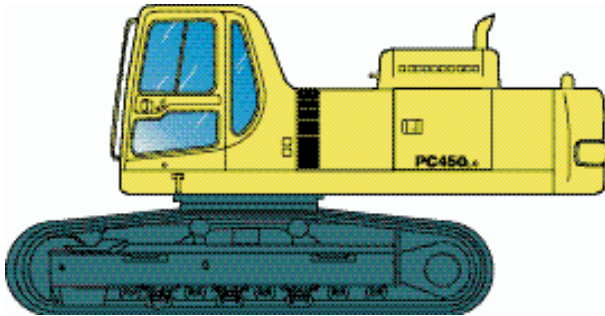
Besides the KMX and sharp teeth, Komatsu can offer you general purpose, penetration and abrasion teeth. All at a quality you can rely on.

BUCKET AND ARM FORCE

Arm length	2.4 m	2.9 m	3.4 m	4.0 m	4.8 m
Bucket digging force	25,000 kg (245 kN)	25,000 kg (245 kN)	25,000 kg (245 kN)	25,000 kg (245 kN)	25,000 kg (245 kN)
Arm crowd force	26,100 kg (256 kN)	23,400 kg (229 kN)	19,400 kg (190 kN)	17,500 kg (171 kN)	15,200 KG (149 KN)

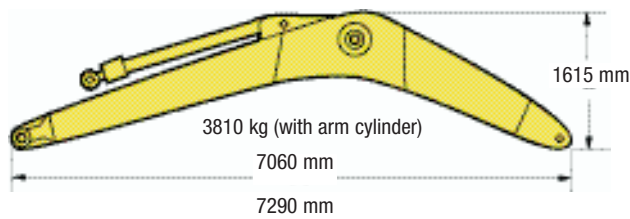
BASIC MACHINE

(APPROXIMATE WEIGHTS)

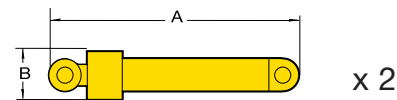


Shoe width	Weight	
	PC450-6	PC450LC-6
600 mm	35,060 kg	35,760 kg
700 mm	35,480 kg	36,200 kg
800 mm	35,920 kg	36,660 kg

BOOM

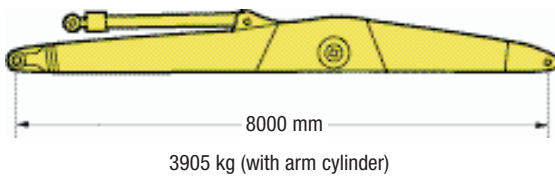


BOOM CYLINDERS

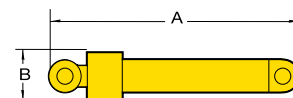


A	B	Weight (each)
2445 mm	237 mm	390 kg

STRAIGHT BOOM



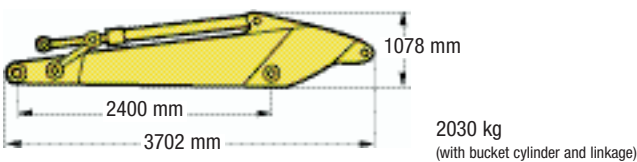
ARM CYLINDER



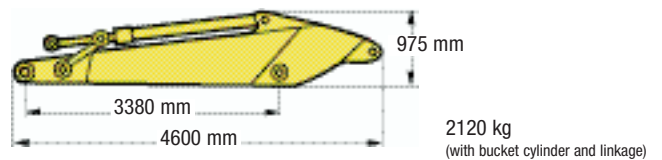
A	B	Weight
2800 mm	296 mm	555 kg

ARMS

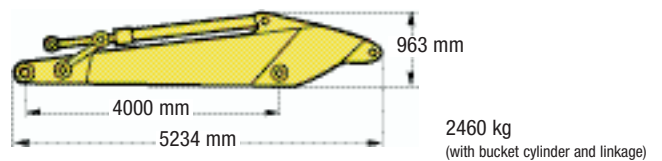
2.4 m ARM



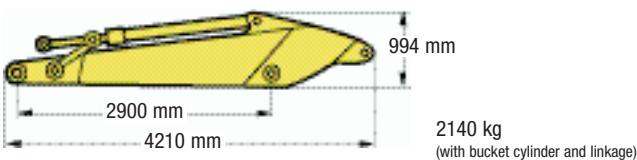
3.4 m ARM



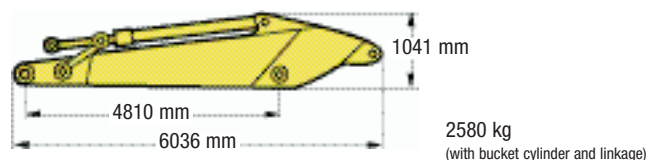
4.0 m ARM



2.9 m ARM



4.8 m ARM



CRAWLER EXCAVATOR SERIES PC450-6



STANDARD EQUIPMENT

Standard and optional equipment may vary. Consult your Komatsu dealer for more information.

- Komatsu SAA6D125E-2 228kW direct injection emissionised intercooled turbo charged diesel engine.
- Double element type air-cleaner with monitor panel dust indicator and auto-dust evacuator.
- Suction type cooling fan with radiator flyscreen.
- Automatic fuel line de-aeration
- Engine key stop
- Alternator, 24 Volt 50 ampere
- Batteries, 2x12 Volt 150 AH
- Starter motor, 24 Volt 11 kW
- Electronic closed-centre load sensing
- (E-CLSS) hydraulic system (HydrauMind).
- Pump and engine mutual control (PEMC) system
- Monitor panel with working mode selection system
- Power-Max function
- Active mode
- Swift Slow-down function
- Auto-deceleration functions.
- Automatic engine warm-up system.
- Engine overheat prevention system.
- Fuel control dial.
- Adjustable PPC wrist control levers for arm, boom, bucket and swing.
- PPC control levers and pedals for steering and travel.
- Additional 2-way proportional service valve.
- Hydrostatic, 3-speed travel system with automatic-shift and hydraulic travel and parking brakes.
- All-weather sound suppression type cab with tinted safety glass windows, pull-up type front window with locking device, removable lower window, ashtray, luggage box, floor mat
- Suspension seat with adjustable arm rests.
- Front window wiper with intermittent feature
- Air-conditioner and large capacity heater.
- Electrical horn
- Radio Cassette prep.
- Cigarette lighter
- Large handrails and rear-view mirrors
- Boom safety valves
- Overload warning device
- Track frame under-guards
- Fuel supply pump
- Remote greasing for swing circle and pins
- Lockable fuel cap and covers.
- Parts book and operator manual
- Track roller guards
- 12 Volt power supply
- Beverage holder
- Sun roller

OPTIONAL EQUIPMENT

- STD and LC undercarriages
- 600, 700, 800mm triple grouser track-shoes.
- 1-Piece boom.
- Straight boom.
- 2.4 m, 2.9 m, 3.4 m, 4.0 m, 4.8 m arms.
- Automatic greasing system.
- Radio Cassette
- Pre wired 4 switch levers
- Additional lowback pressure hydraulic circuits.
- Machine lifting points.
- Arm safety valve.
- Operator cab fops and front guard.
- Full length track roller guard
- Clear cab roof hatch
- Additional cab roof lights.
- Rain visor.
- Komatsu buckets.
- Demolition boom arm
- Heated air suspension seat

KOMATSU

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