

KOMATSU®

NET HORSEPOWER
257 kW 345 HP @ 1.900 rpm

OPERATING WEIGHT
48.305 - 68.855 kg

ATTACHMENT TOOL WEIGHT
2.400 kg

PC450LC-7 Demolition specification

PC
450

HYDRAULIC EXCAVATOR

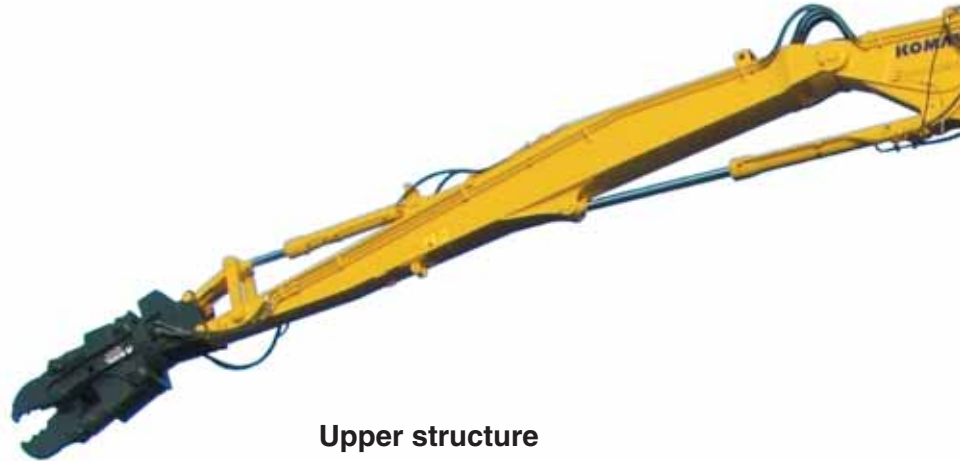


PC450LC-7

ecot3

"DANTOTSU" – UNRIVALLED SPECIFICATION

The new High Reach Demolition PC450LC-7 machine has been designed with maximum machine deployment in mind. This machine retains all of the benefits of the Dash 7 excavators and gives extra features to ensure that the 'High Reach' machine can be more easily used for all of the jobs on a demolition site - and more.



Upper structure

The upper structure of the machine is specifically designed to cope with the rigours of a demolition job site. Details are presented on page 4.

Quality, reliability and easy maintenance

PC450LC-7 includes as standard

- Rust prevention in fuel tank
- High capacity air filter
- Easy maintenance fuel system
- Drain valve fitted as standard
- Grouped maintenance points – minimum downtime
- Easy removal and refitting of radiator
- Oil filter and engine oil change intervals doubled

Quick connect system

The work equipment of the Dash 7 High Reach Demolition excavator allows the machine to be used in many different arrangements. Thanks to several new features, changing from one configuration to the next has never been quicker, maximising the machine up time. For details of the configurations available for the PC450LC-7 high reach machine, refer to page 8.

Equipment Management and Monitoring System (EMMS)

The Komatsu EMMS hydraulic system offers exceptional smoothness and ease of operation, with precise tool positioning. The load sensing system ensures that the best use of each drop of fuel is made, whatever the work demands. More details of the hydraulic system can be found on page 6.

NET HORSEPOWER
257 kW 345 HP @ 1.900 rpm

MAXIMUM HEIGHT
25.000 mm

OPERATING WEIGHT
48.305 - 68.855 kg

Operator cab

The operator environment offers greater space, less noise, less vibration, and better visibility than ever before. The standard tilting cab improves the operator comfort still further for maximum effectiveness at high reach. Details are shown on page 11.

Undercarriage

Whatever your transportation needs, the undercarriages available give the robust foundation needed in severe environments. Look for the details on page 5.

Engine

The PC450LC-7 gets its exceptional power and work capacity from a Komatsu SAA6D125E-5 Series IIIA engine. Its output is 257 kW/345 HP, providing increased hydraulic power and improved fuel efficiency. The engine fully complies with the latest environmental laws.

KOMTRAX™ Komatsu Tracking System

Track and monitor your machine any time, any where for total peace of mind.

Confidence

The PC450LC-7 High Reach Demolition machine has been rigorously tested and proven to match the demanding performance and integrity standards of Komatsu. Further details can be seen on page 11.



BASE MACHINE

Revolving frame

The revolving frame is made for the High Reach Demolition specification - no modification is carried out after manufacture. The demolition revolving frame includes:

- Deep section centre beams
- Bracing in critical areas
- Preparation for bolted on side guards

The special features of the demolition revolving frame ensure that stress levels are similar to the standard excavator, despite the extra weight of the demolition machine. Durability is a key feature.



Revolving frame protection

Heavy duty side guards to protect the revolving frame from impact damage are available. Easy removal for replacement, or for transportation when width is restricted.

The bolt on side guards wrap underneath the body of the machine, to further protect vital systems.

Heavy duty undercovers are also provided - protecting all of the machine systems from damage.

Counterweight

By using a secondary weight inside the main counterweight, the machine profile does not have any extra vulnerable fitments which could catch on debris and cause damage.

Comfortable cab

The PC450-7's large capacity cab and increased glass area provide superb visibility.

Pressurised cab

The standard-equipped air conditioner, air filter and a higher internal air pressure resist dust entry into the cab.

Low-noise design

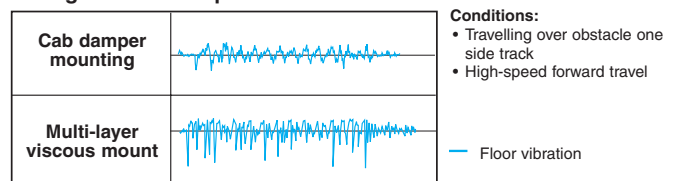
Noise levels are substantially reduced; engine noise as well as swing and hydraulics operations noise.

Cab damper mounting for low vibration levels

PC450LC-7 uses a new and improved viscous damping cab mount system that incorporates a longer stroke plus an added spring. The new cab damper mounting, combined with strengthened left and right-side decks, aids the reduction of vibrations to the operator's seat. Vibrations at the floor level have been reduced from 120 dB (VL) to 115 dB (VL).

dB (VL) is an index of vibration level. As it increases, vibration increases and operator comfort is reduced.

Riding comfort comparison



Vertical pitch oscillation on the graph shows the intensity of vibration

Multi-position controls

The multi-position, proportional pressure control levers allow the operator to work in comfort whilst maintaining precise control. A double-slide mechanism allows the seat and controllers to move together, or independently, allowing the operator to position the controllers for maximum productivity and comfort.



Tilting cab

A new revolving frame has been developed specifically for use when tilting cab is specified. There is no surface beneath the cab where debris could collect. The tilting mechanism does not increase the height of the cab for transport. The tilting action is fast, smooth and infinitely variable between 0 and 30 degrees, so the operator can choose the best position for maximum work visibility.

Vibration of the cab has been minimised, whatever the angle of tilt, offering the operator excellent comfort and ease of use.



FOPS

The operator guards fitted to the high reach demolition machine are fully tested to ISO 10262 Level 2, enhancing operator safety. By retaining solid material directly above the operator, safety is enhanced, without restricting the view of the working area.

Roof window

The roof window offers enhanced view to the

highest point of the machine working range. The window is complete with a wash/wipe system and is made from safety plexiglas.

Undercarriage

Long, mechanically adjustable undercarriage is standard. Hydraulic adjustable wide gauge undercarriage (HWG) is optional. Both carriages give stable platform for work at high reach. Standard undercarriage, with 600 mm track shoes, allows transport width below 3,0 m. HWG carriage, even with 700 mm trackshoes, allows transport width below 3,0 m (revolving frame side guard removed).

Track links include central strut and have grease-sealed bushings, to give excellent durability. Welded joints are kept to a minimum on each undercarriage, to maximise structural efficiency and integrity.

Full length track roller guards are available.



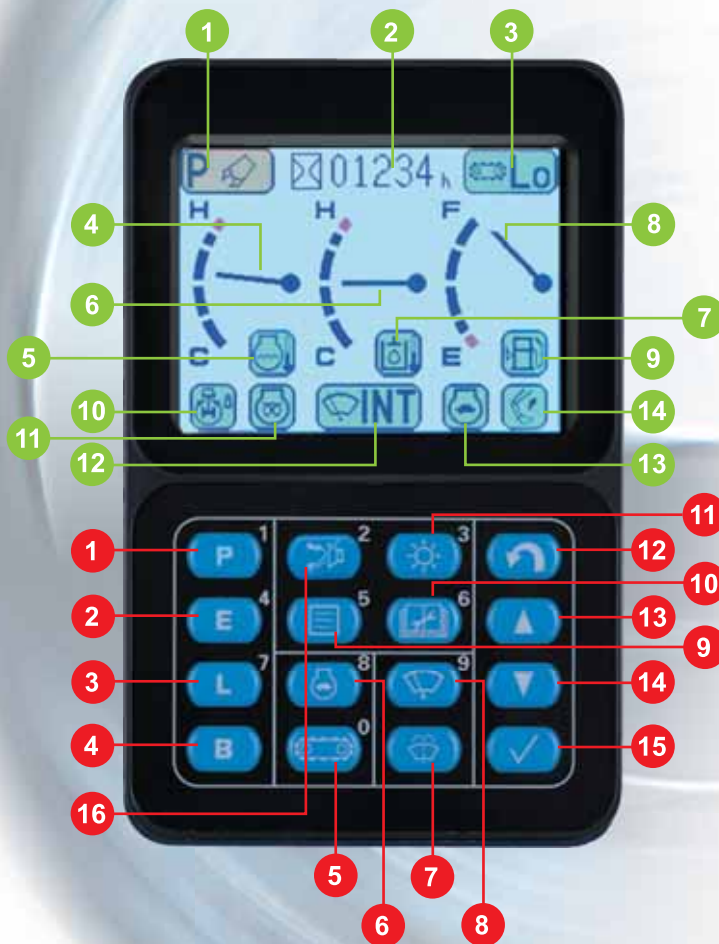
EMMS

EMMS (Equipment Management and Monitoring System)

The EMMS is a highly sophisticated system, controlling and monitoring all the excavator functions. The user interface is highly intuitive and provides the operator with easy access to a huge range of functions and operating information.

Four working modes

The PC450LC-7 is equipped with three working modes: (P, E, B), plus a lifting mode (L). Each mode is designed to match the engine speed, pump speed, and system pressure with the current operating requirement. This provides the flexibility to match equipment performance to the job at hand.



On-screen symbols

- 1 Operating mode
- 2 Service hours meter
- 3 Travel speed
- 4 Engine water gauge
- 5 Engine water temperature warning
- 6 Hydraulic oil gauge
- 7 Hydraulic oil temperature warning
- 8 Fuel level gauge
- 9 Fuel low level warning
- 10 Swing lock
- 11 Pre-heat
- 12 Continuous/intermittent window wiper
- 13 Auto deceleration
- 14 PowerMax

Push-button control switches

- 1 'Power' mode
- 2 'Economy' mode
- 3 'Lifting' mode
- 4 'Breaker' mode
- 5 Travel speed selector switch
- 6 Auto deceleration
- 7 Window washer
- 8 Window wiper
- 9 Select (For attachment oil flow adjustment)
- 10 Maintenance mode
- 11 Screen brightness adjustment
- 12 Input (return)
- 13 Input (up)
- 14 Input (down)
- 15 Input (confirm)
- 16 Buzzer cancel

Power mode

For maximum power and fast cycle times. Normally used for heavy operations such as hard digging and loading. This mode allows access to the 'PowerMax' function to temporarily increase the digging force by 7% for added power in tough situations.

Economy mode

The environmentally-friendly mode. For running more quietly during operations at night and/or in urban areas. Fuel consumption and exhaust emissions are reduced.

Breaker mode

Delivers optimal hydraulic pressure, flow and engine RPMs for powerful breaker operations.

Lifting mode

Increases the lifting capacity 7% by raising the hydraulic pressure. This mode supports safe lifting operations.

Working mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> • Maximum production/power • Fast cycle times
E	Economy mode	<ul style="list-style-type: none"> • Excellent fuel economy
B	Breaker mode	<ul style="list-style-type: none"> • Optimum engine RPMs and hydraulic flow
L	Lifting mode	<ul style="list-style-type: none"> • Hydraulic pressure has been increased by 7%



Hydraulic flow general adjustment screen in B (breaker) mode



Fine tune hydraulic flow adjustment screen in B (breaker) mode



Fine tune hydraulic flow adjustment screen in P (power) or E (economy) mode



Password screen

Easy to see and easy to use

Superb recognition colour LCD screens for each mode. Letters and numbers are combined with colour images for exceptionally clear and easy-to-read information. The high-resolution screen is easy to read in bright sunlight and in all lighting conditions.

Automatic three-speed travel

The travel speed is automatically shifted from high to low speed, according to the ground conditions.

	High	Mid	Low
Travel speed	5,5 km/h	4,4 km/h	3,0 km/h

Fingertip hydraulic pump oil flow adjustment

From the LCD monitor, you can automatically select the optimal hydraulic pump oil flow for breaking, crushing, and other operations in the B, P or E modes. Also, when simultaneously operating with attachments and work equipment, the flow to the attachment is reduced automatically, thus delivering a smooth movement of the work equipment.

Password protection

Prevents unauthorised machine use or transport. The engine cannot be started without your four-digit use or password. For total security, the battery is connected directly to the starter motor. Both the starter and the engine need the password. The password can be activated and deactivated upon request.

WORK EQUIPMENT



High Reach Demolition

- Maximum vertical pin height is 25 m
- Maximum forward pin reach is 12,3 m

High reach equipment includes:

- Demolition first boom
- Demolition second boom (extension)
- Demolition third boom
- Intermediate link
- Demolition arm

Medium Reach Demolition

- Maximum vertical pin height is 21 m
- Maximum forward pin reach is 13,3 m

Medium reach equipment includes:

- Demolition first boom
- Demolition third boom
- Intermediate link
- Demolition arm

Digging Boom Configuration

STRAIGHT

- Maximum vertical height (bucket teeth) is 15,2 m
- Maximum forward reach (bucket teeth) is 13,4 m

BENT

- Maximum vertical height (bucket teeth) is 12,1 m
- Maximum forward reach (bucket teeth) is 12,3 m
- Maximum digging depth (bucket teeth) is 7,0 m

Digging boom equipment includes:

- Demolition first boom
- Demolition digging boom (2 position)
- Excavation arm

Durability

Wherever possible, castings are used in critical areas of the work equipment, to ensure the best distribution of load through the material, increasing the durability of the equipment.

To further enhance the durability of the equipment, continuous plates are used wherever possible, ensuring maximum equipment integrity.



Demolition first boom

Designed from the outset to suit both excavation duties and demolition work. The new demolition first boom is suitable for more arduous excavation work, allowing greater deployment of the machine.

Safety valves

Hose damage is an ever present threat during demolition operations. Critical areas are protected with steel spiral wraps, but in anticipation of a hose breakage, all of the boom and arm circuits are fitted with burst protection valves. Even if a hose bursts, the valves allow the equipment to be lowered in a safe and controlled way, for repair to be carried out.



Angle alarm

An equipment angle alarm is fitted, which sounds a warning buzzer in the operator cab if the equipment approaches a potentially unstable position. The device reinforces the reading of the angle indicator which is mounted on the boom, visible through the cab side window. The warning buzzer can be turned off for normal digging operations.

Demolition second boom (extension)

This section of work equipment gives the machine exceptional versatility. It is connected between the first boom section and the third, to give the maximum working height of the machine. If required, the second boom section may be removed to give the medium working height. Installation and removal of the second boom section can be done rapidly, due to the quick change system.



Mid link section

This section of work equipment has been upgraded in critical areas, for extra durability. Tubes and hoses are mounted on the rear of the work equipment, to minimise the risk of damage.

QUICK CONNECTION SYSTEM

Hydraulically assisted boom connection

The machine features a Komatsu designed hydraulic boom release system. The system allows fast change over from demolition configuration to digging configuration, maximising operational hours.

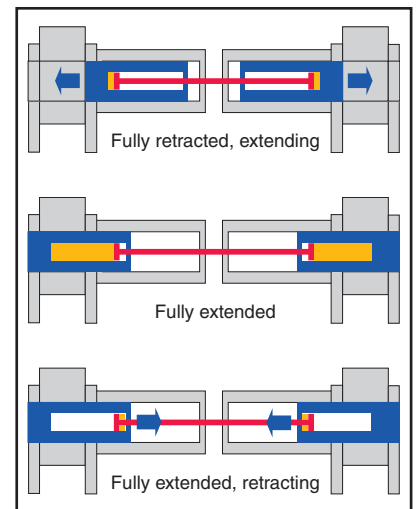
The system includes:

- Hydraulically activated pins, with safety locking plates
- Banked quick connection system for smaller hydraulic lines
- Quick release connectors for main hydraulic circuits
- Equipment stands for demolition equipment and digging equipment



Hydraulically activated pins

The lower pins at the first boom connection point can be moved with hydraulic pressure. To disconnect the work equipment, oil is fed to the outer end of the pins and they move inside the boom towards the centre. To reconnect the equipment, oil is fed to the inner end of the pins and they move away from the centre of the boom until they securely lock the boom sections together. The pins are safely locked in place by bolted plates. Each hydraulic pin carries load at three positions.



Quick connectors for hydraulic lines

Main hydraulic lines use steel tubing for increased durability, mounted on the top of the work equipment to further reduce risk of damage. The quick connectors reduce the time needed to change the hydraulic circuits. There is a switch in the cab to allow the arm control circuit to be easily reconfigured from high reach to digging duty. A lever operated bank of 6 connectors is used for smaller hydraulic lines on the boom.

Equipment stand system

A new Komatsu equipment stand is available both for digging equipment and high reach equipment. The stand system is lightweight, easy to transport and easy to connect to the equipment. The system allows maximum benefit from the quick change mechanism and can be used for transportation (using suitable securing method on trailer).





Fingertip controls

All of the controls necessary for safe operation and movement of the machine are placed within easy reach of the operator, making it easy for the operator to find a comfortable position during routine operation. Attachment rotate function is controlled by joystick push buttons.

KOMTRAX™ Komatsu Tracking System

Track your machine – anytime, anywhere

The Komatsu Tracking System, Komtrax™, provides a revolutionary new way to monitor your equipment, anytime and anywhere. It lets you pinpoint the precise location of your machines and obtain real-time service-hour meter readings over an internet connection. The Komtrax system consists of an electronic control unit, a GPS transmitter and a satellite antenna installed in your machine. It connects to a system of GPS and telecommunications satellites to provide locations and exchange data. Designed to be future-proof, the Komtrax system will meet your needs today and tomorrow.



Quality assurance

Product testing

Stringent performance and structural testing is carried out at Komatsu, to ensure that quality and performance standards are maintained. A small representation of the testing carried out for the high reach demolition machine is shown below:



High reach demolition machine, carrying test instrumentation.



High reach demolition machine, digging boom installed, with simultaneous twist and bend loading.



High reach demolition machine, twisting load applied to new demolition first boom.

SPECIFICATIONS



ENGINE

Model Komatsu SAA6D125E-5
 Type Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
 Rated capacity 257 kW/345 HP (ISO 9249) at engine speed 1.900 rpm
 No. of cylinders 6
 Bore x stroke 125 x 150 mm
 Displacement 11,04 ltr
 Battery 2 x 12 V/140 Ah
 Alternator 24 V/50 A
 Starter motor 24 V/11 kW
 Air filter type Double element type with monitor panel dust indicator and auto dust evacuator
 Cooling Suction type cooling fan with radiator fly screen



HYDRAULIC SYSTEM

Type HydrauMind. Closed-centre system with load sensing and pressure compensation valves
 Additional circuits 2 additional circuits are installed
 Main pump 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
 Maximum pump flow 2 x 345 ltr/min
 Relief valve settings
 Implement 380 kg/cm²
 Travel 380 kg/cm²
 Swing 285 kg/cm²
 Pilot circuit 30 kg/cm²



ENVIRONMENT

Engine emissions Fully complies with EU Stage IIIA exhaust emission regulations
 Noise levels
 LwA external 107 dB(A) (2000/14/EC Stage II)
 LpA operator ear 76 dB(A) (ISO 6369 dynamic test)



OPERATING WEIGHT (APPR.)

Operating weight, including high reach demolition equipment, medium reach demolition equipment and digging equipment 2,9 m (3,4 m) arm. High reach and medium reach includes attachment weight of 2.400 kg. Digging equipment includes 1.915 kg bucket. All include operator, lubricant, coolant, full fuel tank. Optional hydraulic wide gauge undercarriage adds approx. 10 tons to the machine weight.

	HIGH REACH		MEDIUM REACH		DIGGING BOOM			
	Operating weight	Ground pressure	Operating weight	Ground pressure	2.900 mm arm		3.400 mm arm	
					Operating weight	Ground pressure	Operating weight	Ground pressure
Triple grouser shoes								
600 mm	58.475 kg	1,02 kg/cm ²	56.155 kg	1,00 kg/cm ²	49.905 kg	0,87 kg/cm ²	49.815 kg	0,87 kg/cm ²
700 mm	58.915 kg	0,89 kg/cm ²	56.595 kg	0,85 kg/cm ²	50.305 kg	0,76 kg/cm ²	50.255 kg	0,76 kg/cm ²



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 - 9 rpm
 Swing torque 132 kNm



DRIVES AND BRAKES

Steering control 2 levers with pedals giving full independent control of each track
 Drive method Hydrostatic
 Travel operation Automatic 3-speed selection
 Max. travel speeds
 Lo / Mi / Hi 3,0 / 4,4 / 5,5 km/h
 Maximum drawbar pull 34.000 kgf
 Brake system Hydraulically operated discs in each travel motor



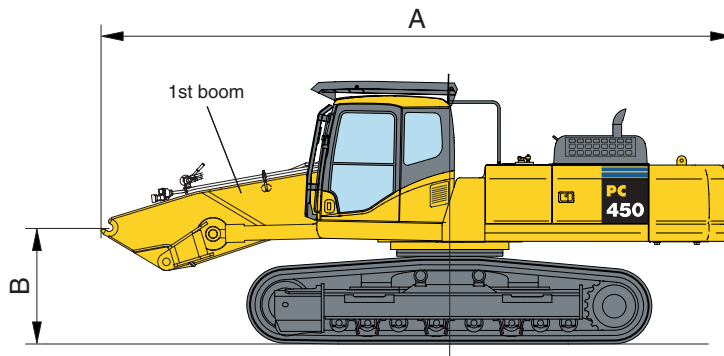
UNDERCARRIAGE

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



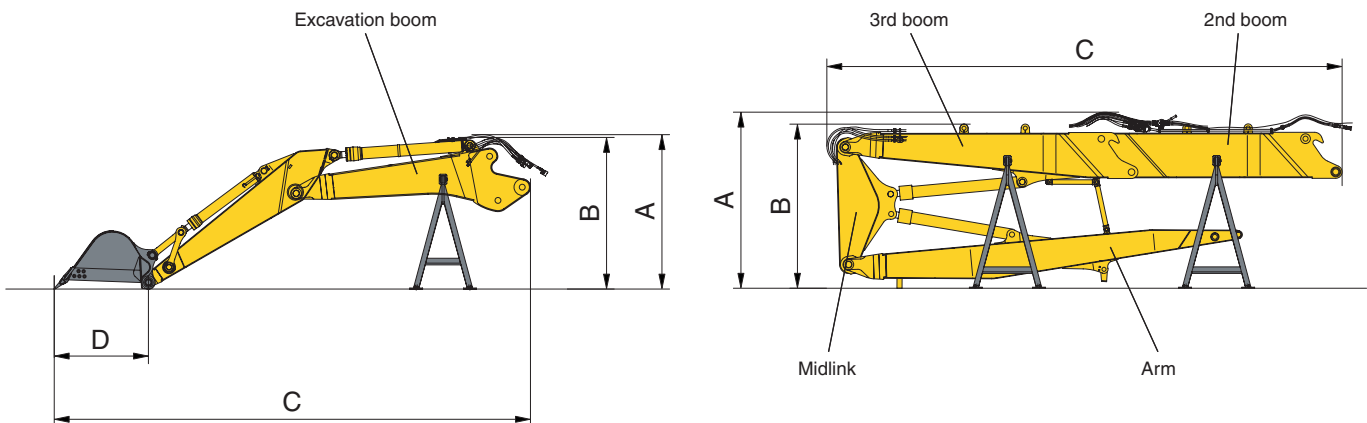
COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank 650 ltr
 Radiator 34 ltr
 Engine oil 38 ltr
 Swing drive 13,4 ltr
 Hydraulic tank 248 ltr
 Final drive (each side) 12 ltr



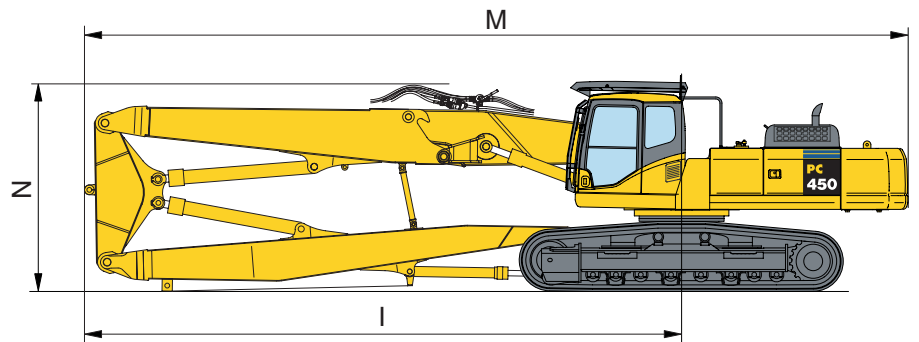
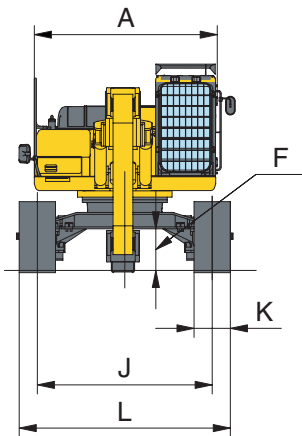
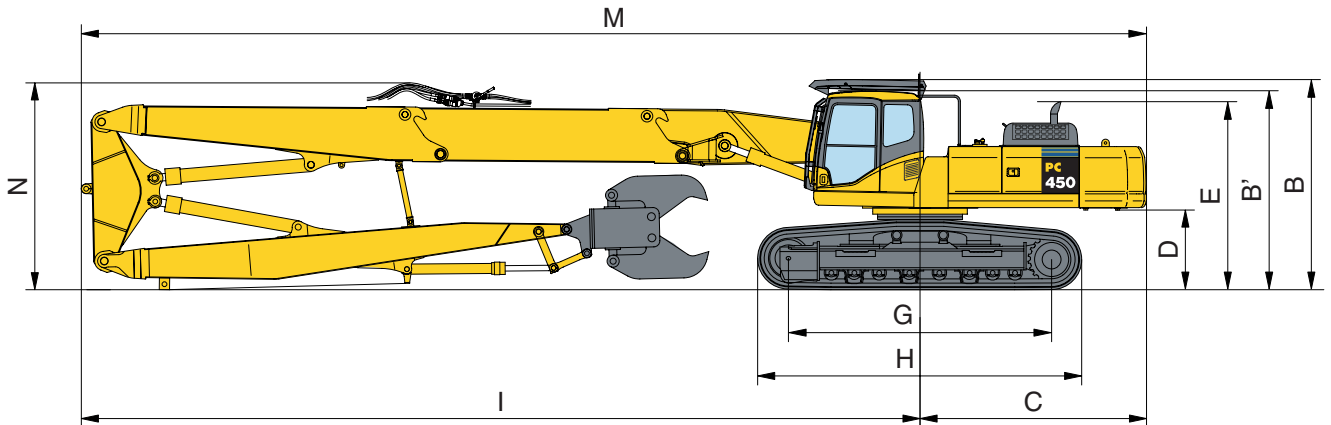
A	Transport length	8.315 mm
B	Max. boom height (incl. hydraulic lines)	1.540 mm
	Transport weight *	41.000 kg

* Includes LC undercarriage and does not include additional counterweight



EQUIPMENT	EXCAVATION BOOM		HIGH REACH BOOM
	2,9 m arm	3,4 m arm	
A Total height (incl. hydraulic lines)	3.025 mm	3.025 mm	3.450 mm
B Height	2.980 mm	2.970 mm	3.220 mm
C Length	8.780 mm	9.330 mm	10.100 mm
D Tip radius	1.845 mm	1.845 mm	-
Support weight	320 kg	320 kg	720 kg
2nd boom weight	3.125 kg	3.125 kg	2.515 kg
3rd boom weight (includes link cylinder)	-	-	3.290 kg
Mid link weight	-	-	1.100 kg
Arm weight (includes cylinder)	1.715 kg	1.660 kg	2.960 kg
Bucket weight	2.180 kg	2.180 kg	-
Total weight (incl cylinders, links and hydraulic lines)	7.340 kg	7.300 kg	10.600 kg

MACHINE DIMENSIONS

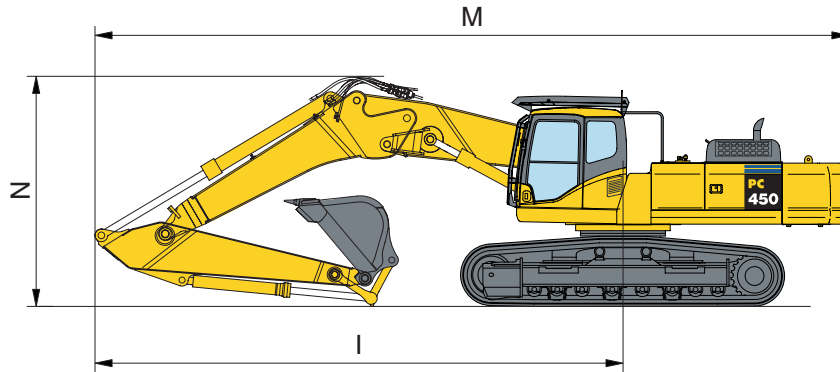


TRANSPORT DIMENSIONS		MEDIUM REACH	HIGH REACH
A	Overall width of upper structure ¹⁾	2.995 mm	2.995 mm
B	Overall height of cab (including FOPS)	3.485 mm	3.485 mm
B'	Overall height of cab (not including FOPS)	3.265 mm	3.265 mm
C	Tail length	3.705 mm	3.705 mm
D	Clearance under counterweight	1.320 mm	1.320 mm
E	Machine tail height	3.107 mm	3.107 mm
F	Ground clearance	685 mm	685 mm
G	Track length on ground (standard undercarriage)	4.350 mm	4.350 mm
	Track length on ground (HWG undercarriage)	4.315 mm	4.315 mm
H	Track length	5.355 mm	5.355 mm
I	Swing centre to front distance	9.865 mm	13.870 mm
J	Track gauge (standard undercarriage) ²⁾	2.390 - 2.890 mm	2.390 - 2.890 mm
	Track gauge (HWG undercarriage) ²⁾	2.280 - 3.130 mm	2.280 - 3.130 mm
K	Track shoe width	600 mm, 700 mm	600 mm, 700 mm
L	Overall track width with 600 mm shoes (standard undercarriage) ²⁾	2.990 - 3.490 mm	2.990 - 3.490 mm
	Overall track width with 700 mm shoes (standard undercarriage) ²⁾	3.090 - 3.590 mm	3.090 - 3.590 mm
	Overall track width with 600 mm shoes (HWG undercarriage) ²⁾	2.880 - 3.730 mm	2.880 - 3.730 mm
	Overall track width with 700 mm shoes (HWG undercarriage) ²⁾	2.980 - 3.830 mm	2.980 - 3.830 mm
M	Transport length	13.570 mm	17.610 mm
N	Maximum boom height	3.410 mm	3.420 mm

¹⁾ Overall width of upper structure excludes side guards, handrails and mirrors.

²⁾ Frame in retracted - extended position.

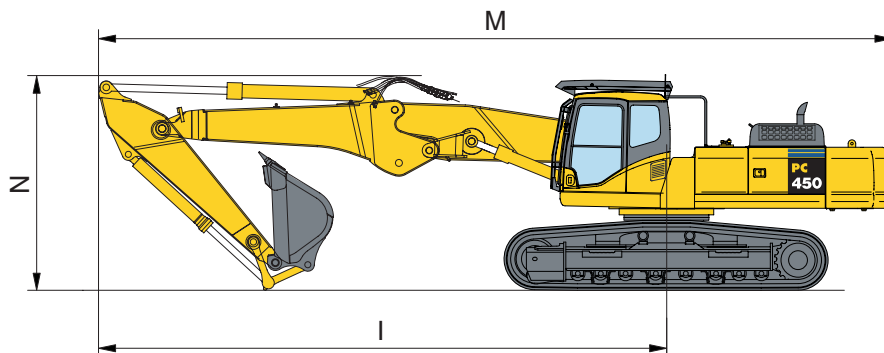
DIG BOOM BENT POSITION



TRANSPORT DIMENSIONS			
	Arm length	2.900 mm	3.400 mm
M	Transport length	12.555 mm	12.430 mm
N	Maximum boom height	4.030 mm	3.810 mm
I	Swing centre to front distance	8.850 mm	8.730 mm

Dimensions „A“ - „L“ are same as high reach configuration

DIG BOOM STRAIGHT POSITION

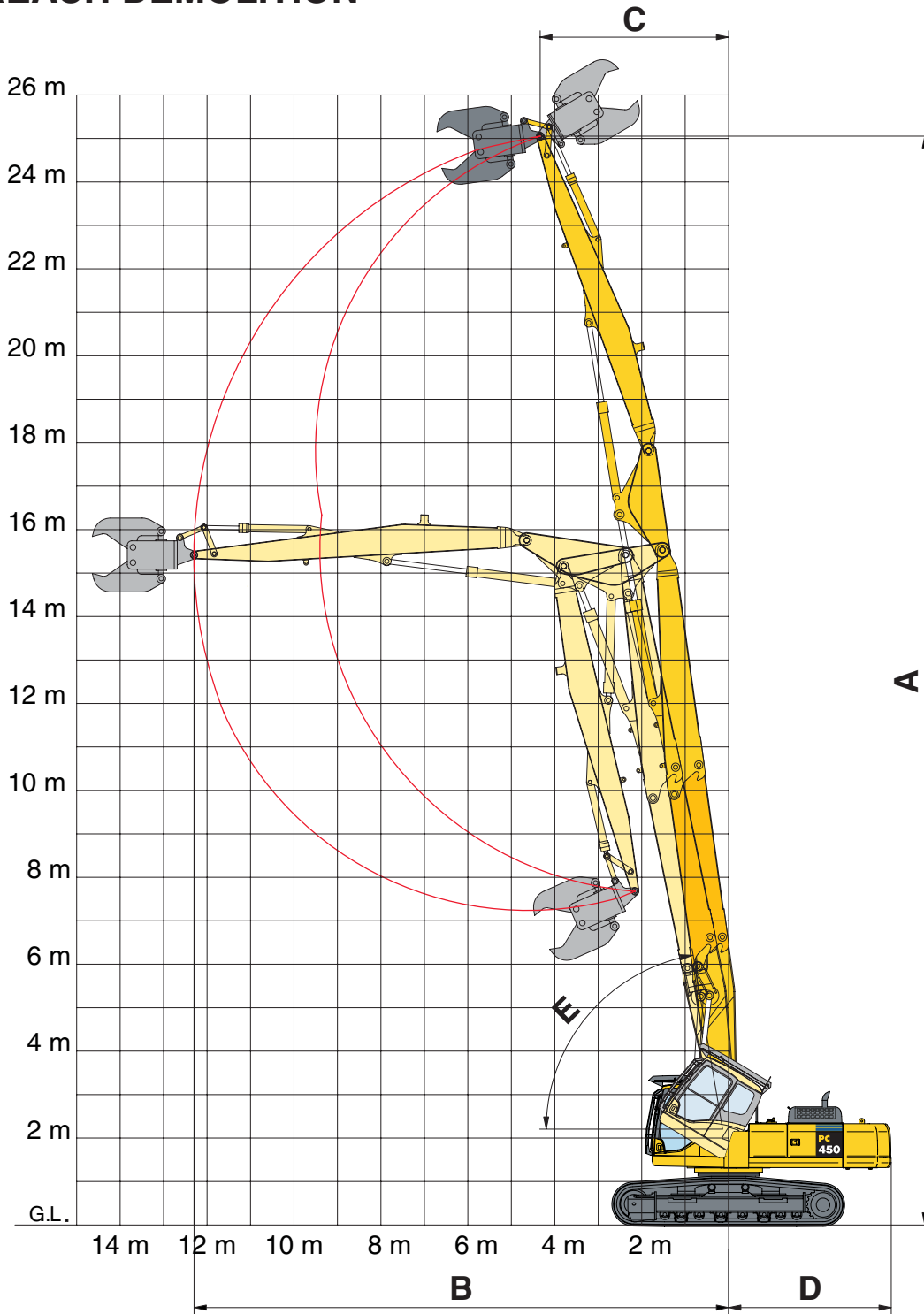


TRANSPORT DIMENSIONS			
	Arm length	2.900 mm	3.400 mm
M	Transport length	13.095 mm	13.070 mm
N	Maximum boom height	3.670 mm	3.740 mm
I	Swing centre to front distance	9.390 mm	9.365 mm

Dimensions „A“ - „L“ are same as high reach configuration. Dimension N can be reduced by disconnecting quick connecting hoses or bucket removal.

WORKING RANGE

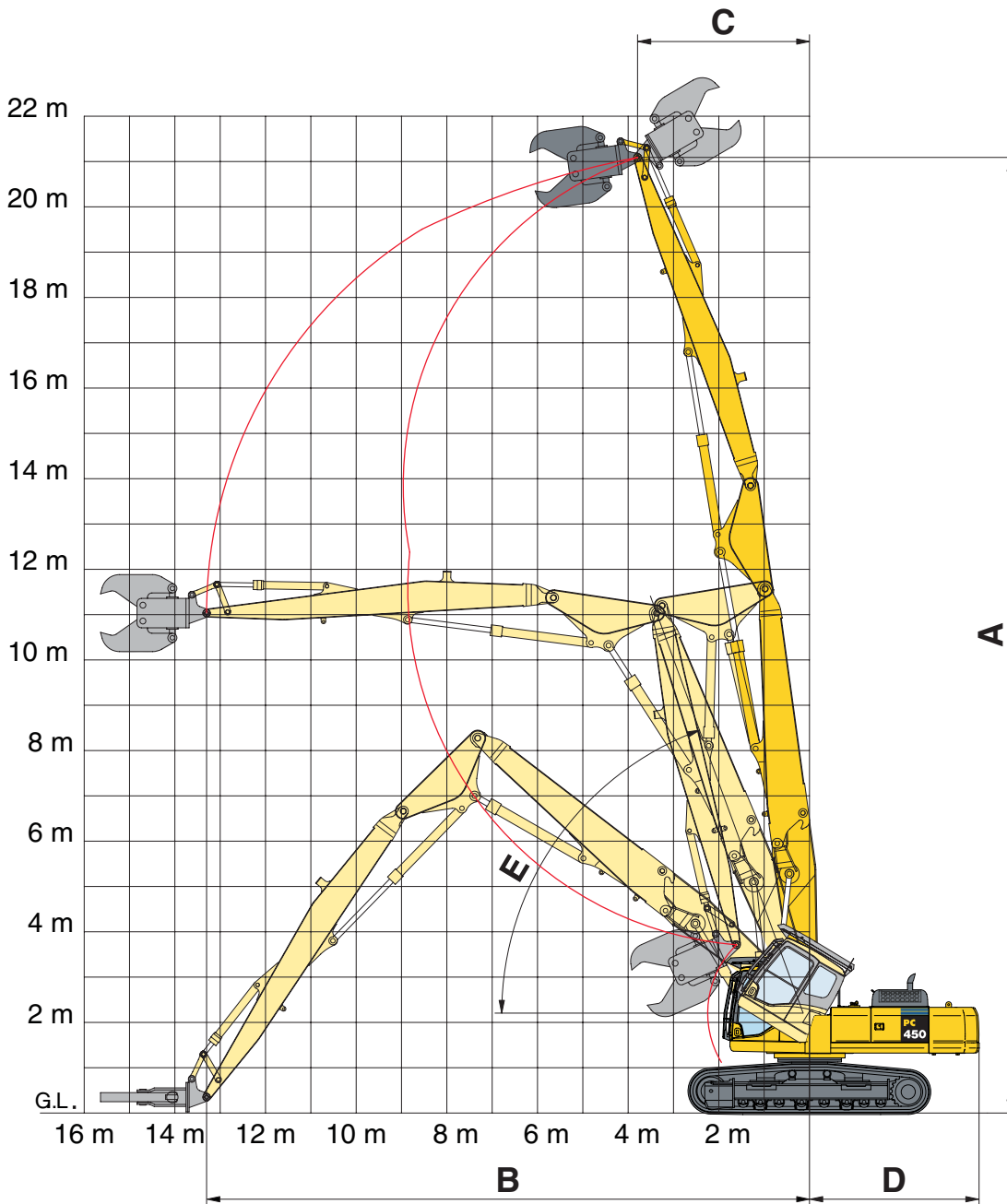
HIGH REACH DEMOLITION



HIGH REACH CONFIGURATION		
A	Max. working height	25.050 mm
B	Forward-limit working range	12.300 mm
C	Top pin reach at max. height	4.340 mm
D	Tail swing radius	3.740 mm
E	Minimum boom angle	80°

This working range is applicable through 360 degrees (depending upon fitted attachment). For operator and jobsite safety, Komatsu recommend that high reach demolition machines work in line with the trackframe where ever possible.

MEDIUM REACH DEMOLITION

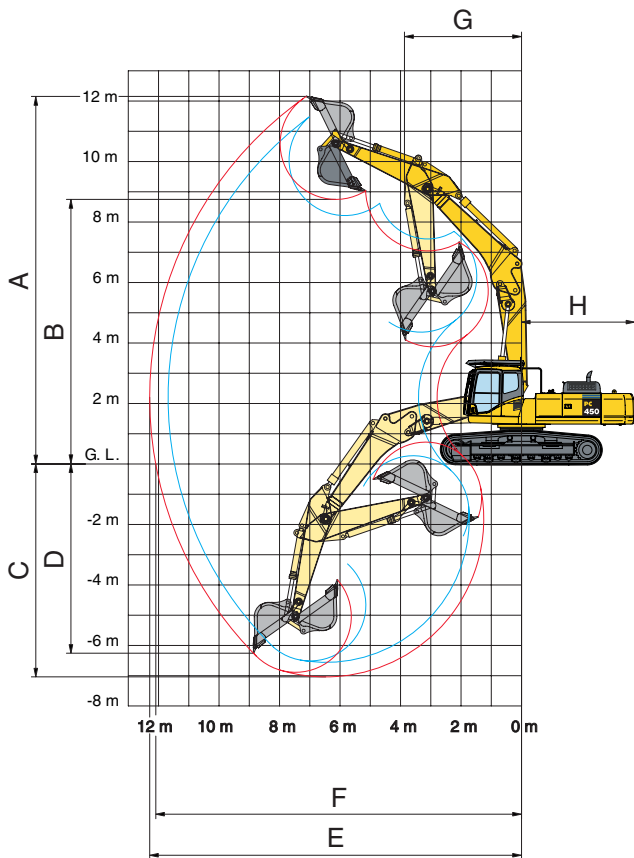


MEDIUM REACH CONFIGURATION		
A	Max. working height	21.090 mm
B	Forward-limit working range	13.300 mm
C	Top pin reach at max. height	3.795 mm
D	Tail swing radius	3.740 mm
E	Minimum boom angle	70°

This working range is applicable through 360 degrees (depending upon fitted attachment). For operator and jobsite safety, Komatsu recommend that high reach demolition machines work in line with the trackframe where ever possible.

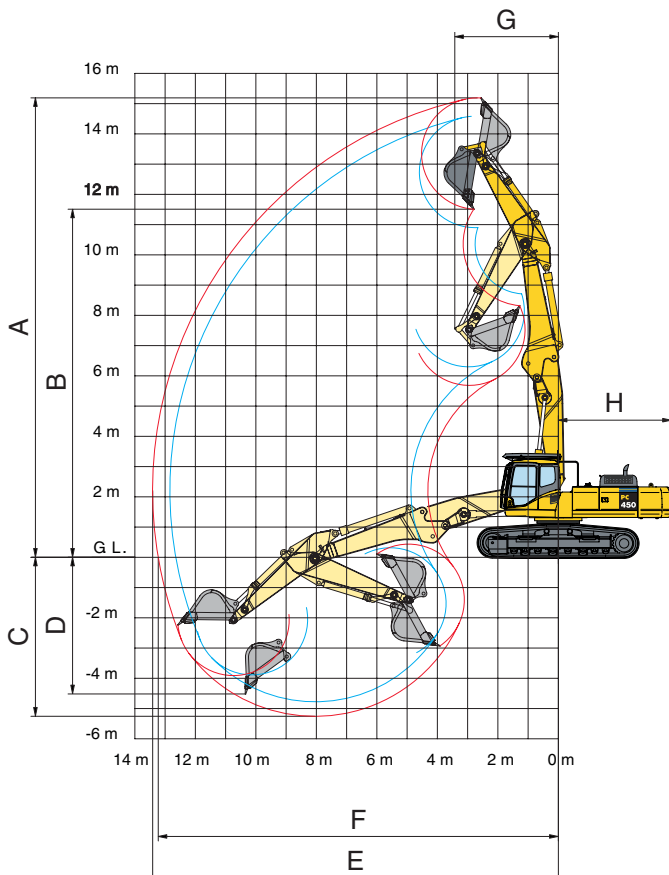
WORKING RANGE

DIG BOOM BENT POSITION



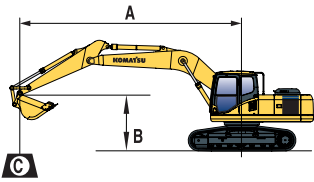
ARM LENGTH		2,9 m	3,4 m
A	Max. digging height	11.470 mm	12.150 mm
B	Max. dumping height	8.215 mm	8.750 mm
C	Max. digging depth	6.555 mm	7.035 mm
D	Max. vertical wall digging depth	5.060 mm	6.255 mm
E	Max. digging reach	11.680 mm	12.290 mm
F	Max. digging reach at ground level	11.470 mm	12.090 mm
G	Min. swing radius (bucket loaded)	3.900 mm	3.870 mm
H	Tail swing radius	3.740 mm	3.740 mm

DIG BOOM STRAIGHT POSITION



ARM LENGTH		2,9 m	3,4 m
A	Max. digging height	14.580 mm	15.190 mm
B	Max. dumping height	10.900 mm	11.510 mm
C	Max. digging depth	4.775 mm	5.255 mm
D	Max. vertical wall digging depth	4.045 mm	4.520 mm
E	Max. digging reach	12.840 mm	13.410 mm
F	Max. digging reach at ground level	12.645 mm	13.225 mm
G	Min. swing radius (bucket loaded)	3.450 mm	3.425 mm
H	Tail swing radius	3.740 mm	3.740 mm

LIFTING CAPACITY



- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities, including bucket linkage (400 kg) and bucket cylinder (280 kg)
- Rating over front
- Rating over side
- Rating at maximum reach

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

* 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.

DIG BOOM BENT POSITION

Arm length	A	B			10,5 m		9,0 m		7,5 m		6,0 m		4,5 m		3,0 m		
With 600 mm shoes 2.900 mm 1.915 kg	9,0	kg	*9150	*9150					*9250	*9250							
	7,5	kg	*8550	7050					*9400	*9400							
	6,0	kg	*8250	5750							*11950	*11950					
	4,5	kg	*8150	4950			*8600	6550	*9900	9450	*11950	*11950	*13350	12850	*18450	*18450	
	3,0	kg	7850	4500			*9300	5850	*11350	8050	*14600	11450					
	1,5	kg	7600	4250			*9500	5450	*11750	7400	*15300	10350					
	0,0	kg	7750	4300			9250	5200	*11850	6950	*15200	9750	*18250	15050			
	-1,5	kg	*8100	4550			*8950	5050	*11350	6750	*14400	9500	*18100	15150			
	-3,0	kg	*7950	5250					*9950	6550	*12800	9600	*15700	15500			
	-4,5	kg	*7400	6700					*7800	7000	*10150	9950	*12200	*12200			
With 600 mm shoes 3.400 mm 1.915 kg	9,0	kg	*5500	*5500					*8750	*8750							
	7,5	kg	*5350	*5350					*8950	*8950							
	6,0	kg	*5450	5000					*9550	*9550	*11400	*11400					
	4,5	kg	*5650	4400	*7150	4550	*8750	6450	*10350	9100	*12850	*12850	*17250	*17250			
	3,0	kg	*6100	4000	7600	4350	*9150	6000	*11150	8350	*14050	11650	*20350	18250			
	1,5	kg	*6700	3850	7400	4150	*9500	5600	*11700	7650	*15250	10750	*16700	16150			
	0,0	kg	7000	3850	7200	4000	9350	5300	*11750	6950	*15450	10000	*17850	15400			
	-1,5	kg	7400	4050			9150	5100	*11600	6850	*14850	9650	*19350	15300	*13200	*13200	
	-3,0	kg	*7350	4600			*8250	5050	*10450	6500	*13550	9600	*17150	15500	*19150	*19150	
	-4,5	kg	*6900	5650					*8800	6950	*11250	9850	*13950	*13950			

DIG BOOM STRAIGHT POSITION

Arm length	A	B			12,0 m		10,5 m		9,0 m		7,5 m		6,0 m		4,5 m	
With 600 mm shoes 2.900 mm 1.915 kg	10,5	kg	*10800	8350							*11200	9350	*13450	*13450		
	9,0	kg	*9250	5950					*9450	6350	*11150	9550	*13600	*13600	*14100	*14100
	7,5	kg	8100	4650					*9500	6350	*11400	9250	*14100	14050	*16150	*16150
	6,0	kg	7000	3900			7500	4250	*9600	6100	*11750	8700	*14900	12900		
	4,5	kg	6400	3450			7350	4100	*9700	5750	*12000	8000				
	3,0	kg	6050	3200			7150	3900	9400	5300	*11950	7200				
	1,5	kg	*5800	3100			6950	3750	9000	4950	*11450	6650				
	0,0	kg	*5100	3200			*6350	3650	*8300	4750	*10400	6350				
	-1,5	kg	*4150	3450			*4850	3600	*6950	4650	*8650	6250	*9900	8900		
	-3,0	kg							*4800	4750	*6300	*6300				
With 600 mm shoes 3.400 mm 1.915 kg	10,5	kg	*6600	*6600							*10900	9750	*11900	*11900		
	9,0	kg	*6050	5050					*9300	6650	*10900	9850	*11650	*11650		
	7,5	kg	*5750	4100			7750	4500	*9350	6550	*11150	9550	*12750	*12750	*11500	*11500
	6,0	kg	*5650	3450			7700	4450	*9550	6300	*11550	9000	*14600	13400	*19650	*19650
	4,5	kg	*5650	3100			7500	4250	*9650	5900	*11950	8250	*15400	11950		
	3,0	kg	5550	2900	5600	2900	7250	4050	9550	5450	*12050	7500	*15650	10550		
	1,5	kg	*5300	2800	*5400	2850	7050	3800	9150	5100	*11750	6900	*15000	9550		
	0,0	kg	*4600	2900			*6750	3650	*8700	4850	*10850	6500	*13400	9100		
	-1,5	kg	*3750	3100			*5550	3600	*7500	4700	*9350	6300	*11150	9000	*10650	*10650
	-3,0	kg					*3500	*3500	*5650	4750	*7200	6350	*8250	*8250		

HYDRAULIC EXCAVATOR

STANDARD EQUIPMENT

- | | | | |
|--|--|---|--|
| <ul style="list-style-type: none"> • Komatsu SAA6D125E-5, 257 kW turbocharged common rail direct injection diesel engine, EU Stage IIIA compliant • Double element type air cleaner with dust indicator and auto-dust evacuator • Suction type cooling fan with radiator fly screen • Modified counterweight prepared for demolition counterweight • In-line filter for hydraulics • Automatic fuel line de-aeration • Automatic engine warm-up system • Engine overheat prevention system • Engine key stop • Alternator 24 V/50 A • Batteries 2 × 12 V/140 Ah • Starter motor 24 V/11 kW • Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind) • Pump and engine mutual control (PEMC) system • KOMTRAX™ Komatsu Tracking System • Multi-function colour monitor with equipment management monitoring system (EMMS) | <ul style="list-style-type: none"> • 4-working mode selection system; power mode, economy mode, breaker mode and lifting mode • PowerMax function • Auto-deceleration function • Fuel control dial • Adjustable PPC wrist control levers with button controls for arm, boom, bucket, swing and attachment rotate • PPC control levers and pedals for steering and travel • Two additional service valves (full flow) • One additional service valve (1/2 flow) • Drain circuit for hydraulic attachment rotation motors • Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes • Tilt cab, includes special revolving frame. Tilttable cab mechanism, with control equipment, hydraulic power hoses and cab raise cylinders • Demolition SpaceCab™, with ISO 10262 level 2 FOPS guards and roof screen wash/wiper, safety | <ul style="list-style-type: none"> glass windows, pull-up type front window with locking device, fixed roof window with wiper and washer, removable lower window, front window wiper • Heavy duty revolving frame with heavy duty demolition under covers and side guard protection • Hot and cool box • Beverage holder and magazine rack • Heated air suspension seat with adjustable arm rests and retractable seat belt • Automatic climate control system • 12 Volt power supply • Radio cassette • Electric horn • Track roller guards • Track frame under-guards • Lockable fuel cap and covers • Remote greasing for swing circle and pins • Fuel supply pump • Overload warning device • Two-mode boom control • Large handrails and r.h. rear-view mirror • Lights; 2 revolving frame lights and 1 boom light | <ul style="list-style-type: none"> • Toolkit and spare parts for first service • Standard colour scheme and decals • Parts book and operator manual • Engine ignition can be password secured on request • Demolition first boom
Includes demolition first boom, fitted with first boom hydraulic pipework, with quick connectors, suitable for operation of high reach demolition work equipment and operation of rotating crusher attachment. Hydraulically retractable equipment connecting pins |
|--|--|---|--|

OPTIONAL EQUIPMENT

- | | | | |
|---|---|---|--|
| <ul style="list-style-type: none"> • LC undercarriage • Hydraulic adjustable wide gauge (HWG) undercarriage • 600, 700 mm triple grouser track shoes • Digging arm assemblies
Includes bucket cylinder and piping, bucket linkage • 2.900 mm or 3.400 mm standard arm, with 2 additional dual flow proportional service circuits, with drain circuit for hydraulic attachment rotation motors • Demolition boom 2
Includes demolition extension | <ul style="list-style-type: none"> boom, 3.900 mm, fitted with extension boom hydraulic pipework, with quick connectors, suitable for operation of high reach demolition work equipment and operation of rotating crusher attachment • Demolition boom 3, mid link and demolition arm
Demolition boom 3, mid link, high reach demolition arm, demolition attachment linkage. Fitted with associated hydraulic pipework suitable for operation of high reach demolition work equipment and operation of rotating crusher | <ul style="list-style-type: none"> attachment. Intermediate link • Excavation boom attachment (2 position)
Two position digging boom, to fit onto demolition first boom. Associated pipework for excavation arm cylinder and bucket cylinder. Quick connectors to suit demolition first boom. With HCU-C (includes pipework associated with excavation boom • Additional counterweight. To fit into main demolition counterweight when high reach demolition equipment is installed. Removable | <ul style="list-style-type: none"> for digging operations. Must be ordered with any high reach boom equipment • Full length track roller guards • Service points • Bio oil • Additional working lamps, including cab roof lights, r.h. boom lamp, cw rear lamp and beacon • Lower wiper • Komatsu buckets • Customised paint |
|---|---|---|--|

Call the experts



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