

KOMATSU

NET HORSEPOWER
257 kW 345 HP @ 1.900 rpm

OPERATING WEIGHT
50.720 - 69.070 kg

ATTACHMENT TOOL WEIGHT
max. 2.500 kg

PC450LC-8

High Reach Demolition Specification

PC
450

HYDRAULIC EXCAVATOR

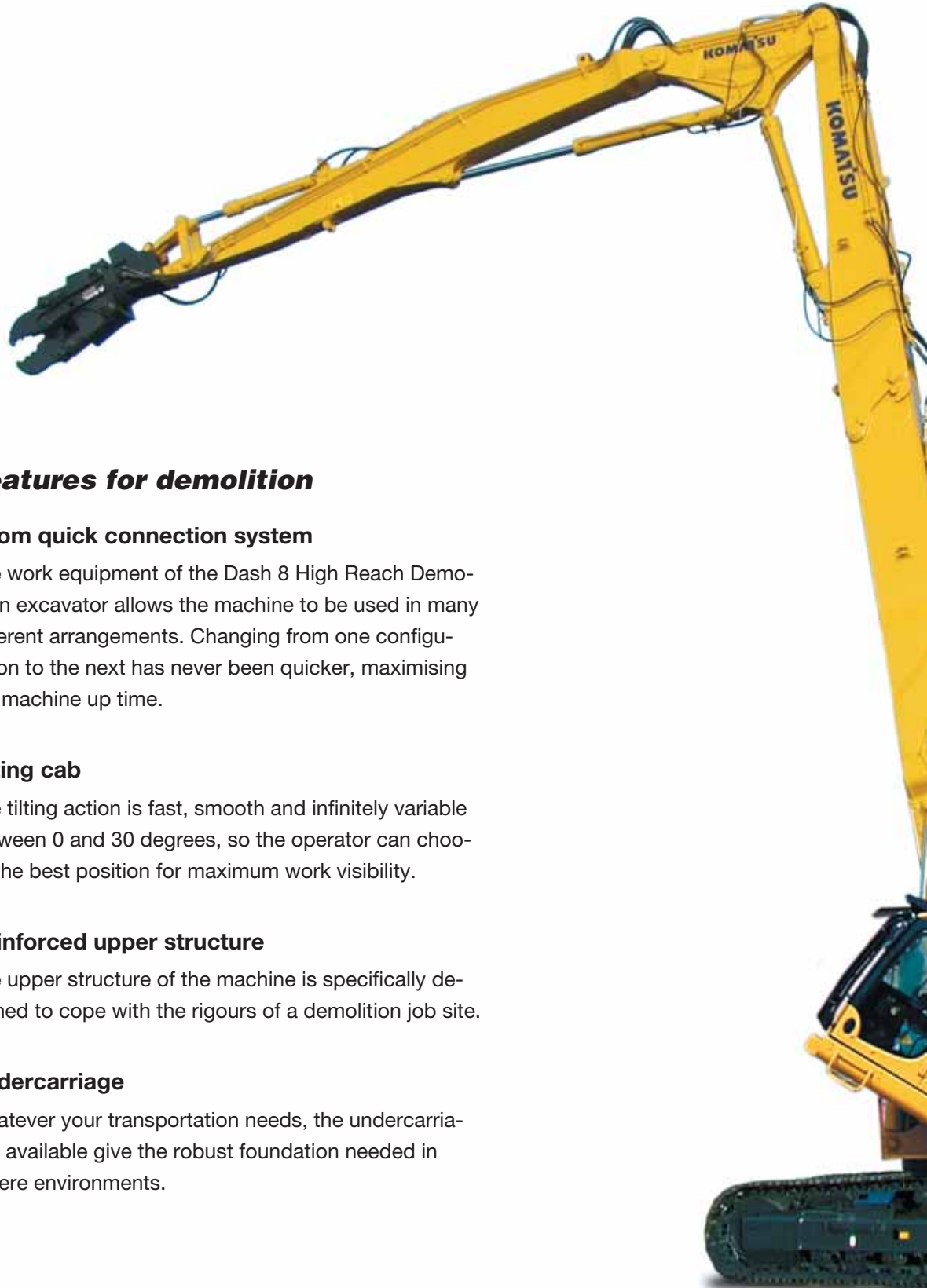


PC450LC-8

ecot3

WALK-AROUND

The new High Reach Demolition PC450LC-8 machine has been designed with maximum machine deployment in mind. This machine retains all of the benefits of the Dash 8 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.



Features for demolition

Boom quick connection system

The work equipment of the Dash 8 High Reach Demolition excavator allows the machine to be used in many different arrangements. Changing from one configuration to the next has never been quicker, maximising the machine up time.

Tilting cab

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.

Reinforced upper structure

The upper structure of the machine is specifically designed to cope with the rigours of a demolition job site.

Undercarriage

Whatever your transportation needs, the undercarriages available give the robust foundation needed in severe environments.

NET HORSEPOWER
257 kW 345 HP

OPERATING WEIGHT
50.720 - 69.070 kg

MAXIMUM WORKING HEIGHT
27.000 mm

Total operator comfort

Low-noise cab

Operator ear noise is as low as an average passenger car.

Large TFT monitor

Improved operator interface through Komatsu-developed information technology. (TFT: Thin Film Transistor)

Complete safety

New, safe SpaceCab™

Tubular design developed specifically for hydraulic excavators to protect the operator in the event of a roll over accident.

Effective fuel management

Improved fuel consumption

Through total Komatsu development and control of the engine, hydraulic and electrical systems.



Protecting the environment

The Komatsu SAA6D125E-5 engine meets EU Stage IIIA and EPA Tier III emission regulations.
29% NOx reduction.



Revolutionary machine management

Track and monitor your machine anytime, anywhere for total peace of mind.



TOTAL OPERATOR COMFORT

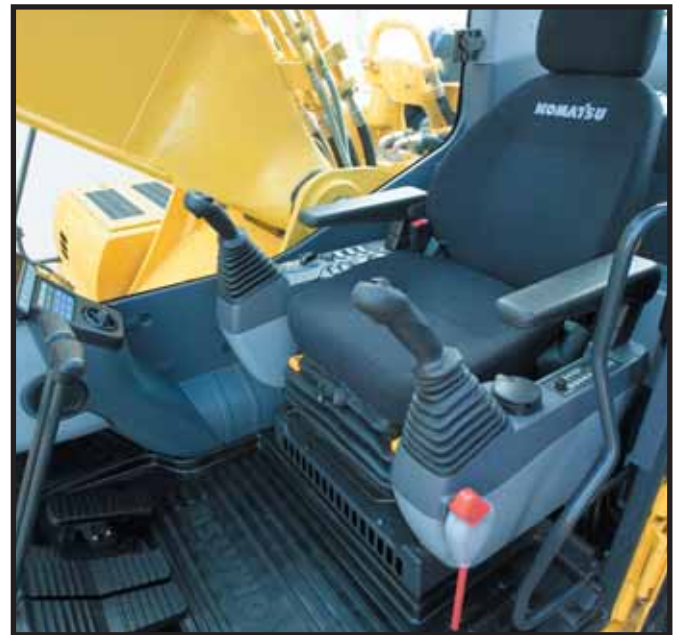
Tilting cab standard

The revolving frame has been developed specifically for use in demolition work. 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.



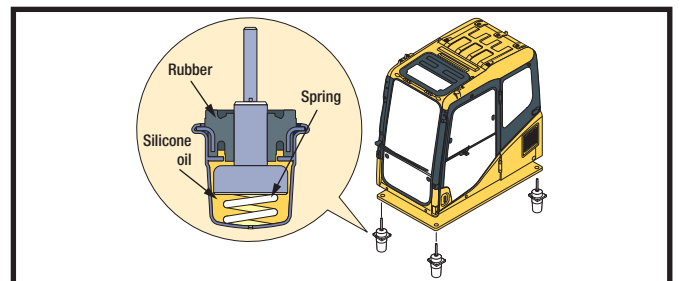
Wide, spacious cab

The newly designed, wide and spacious cab includes a heated air suspension seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can also set the operational posture of the armrest and the position of the console to suit your needs. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.



Low-noise design

The newly designed cab is highly rigid and has excellent sound absorption ability. Thorough improvement of the noise source reduction technology and the use of low-noise engine, hydraulic equipment and air conditioner mean this machine generates very low noise levels, similar to that of a passenger car.



Pressurised cab

An air conditioner and air filter are fitted as standard. Together with a higher internal air pressure (60 Pa), they reduce dust entry into the cab.

Low vibration with cab damper mounting

A multi-layer viscous mount system incorporates a longer stroke and the addition of a spring. The new cab damper mounting combined with a high-rigidity deck reduces vibration at the operator's seat.



New, large TFT monitor

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.



Monitor function

The controller monitors engine oil level, coolant temperature, battery charge and air clogging, etc. If the controller finds any abnormality, it is displayed on the TFT.



Maintenance function

The monitor indicates when the replacement interval has been reached for the oil and filters.



Fingertip hydraulic pump oil flow adjustment

From the TFT monitor, you can automatically select the optimal hydraulic pump oil flow for breaking, crushing and other operations in the B and ATT modes. In addition, the flow to the attachment is automatically reduced during simultaneous operation with other working equipment. This ensures smooth motion of all working equipment. Hydraulic pump oil flow adjustment for both attachment lines is now possible.



Joysticks

Joysticks with proportional control button for attachments.

COMPLETE SAFETY

New, safe SpaceCab™

Specifically developed for Komatsu excavators, the new cab is designed with a tubular steel frame. The framework provides high durability and impact resistance with very high impact absorbancy. The seat belt keeps the operator in the safety zone of the cab in the event of a roll over.



FOPS

The operator guards fitted to the high reach demolition machine are fully tested to ISO 10262 Level 2, enhancing operator safety. The PC450-8 high reach demolition machine carries a hinged type front FOPS guard, allowing easy access for cleaning.



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 is turned off for normal excavation operations.



Attachment cylinder guard
offers protection against falling objects



Safety valves



Rear view camera system standard

DURABILITY & RELIABILITY



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.



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 standard. 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.

Product testing

Stringent performance and structural testing is carried out at Komatsu, to ensure that quality and performance standards are maintained.

WORK EQUIPMENT



High reach demolition

- Maximum vertical pin height is 27 m
- Maximum forward pin reach is 13,5 m (attachment weight: 2.500 kg)

High reach equipment includes:

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

Medium reach demolition

- Maximum vertical pin height is 23 m
- Maximum forward pin reach is 14,4 m (attachment weight: 2.500 kg)

Medium reach equipment includes:

- Demolition first boom
- Demolition third boom
- Mid link
- Demolition arm

Excavation boom configuration

Straight position

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

Bent position

- Maximum vertical height (bucket teeth) is 12,2 m
- Maximum forward reach (bucket teeth) is 12,3 m
- Maximum digging depth (bucket teeth) is 7,1 m

Excavation boom equipment includes:

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



Demolition first boom

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



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.



Demolition third boom, mid link and arm

To complete the high reach demolition machine, this section has been purposely designed to give durability and safety, while retaining minimal transport height. Safety valves are included on the cylinders operating mid link and arm and the hydraulic tubes and hoses are mounted on the rear of the equipment, minimising 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 excavation configuration, maximising operational hours.

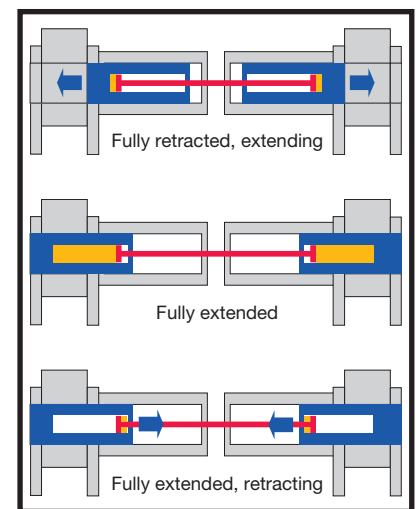
The system includes:

- 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 excavation equipment



Hydraulically activated pins

The pins are fitted with locking plates to ensure security. The main housing of the pins is inside the demolition boom, to offer maximum protection to the housing and hydraulic connections. Oil is fed to the pins on the underside of the boom, to offer maximum protection to the oil supply.



Hydraulic quick connection system

Locking type quick connectors are used to allow fast equipment changes, while retaining durability and integrity.



Equipment stand system

The Komatsu equipment stand is available both for excavation 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.

UNDERCARRIAGE



Undercarriage

Long Carriage (LC) or Hydraulic Wide Gauge (HWG) is available. Both carriages give stable platform for work at high reach. Long Carriage, with 600 mm track shoes or HWG undercarriage means machine transport width below 3,0 m (revolving frame side guards removed).



Track links

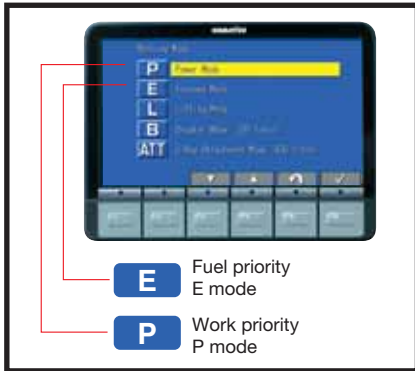
Track links include central strut and have grease-sealed bushings, to give excellent durability. Welded joints are kept to a minimum on each undercarriage, to maximise structural efficiency and integrity.



Full length track roller guards

(option)

EFFECTIVE FUEL MANAGEMENT



Working modes

Two established work modes are further improved.

P mode - Power or work priority mode has low fuel consumption, but fast equipment speed, maximum production and power are maintained.

E mode - Economy or fuel priority mode further reduces fuel consumption, but maintains P mode-like working speed for light operations.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workload.



Eco-gauge assists energy-saving operations

The Eco-gauge can be seen on the right hand side of the monitor. Working within the green range for environmentally friendly, energy-saving operations reduces CO₂ emissions and fuel consumption.



Idle caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.



Auto-deceleration

The auto-deceleration can be activated by a switch on the monitor. If the control levers and the foot pedals are in neutral position, the engine speed is automatically lowered to reduce fuel consumption.

Using the auto-deceleration function can save up to 40% fuel.

PROTECTING THE ENVIRONMENT

New ECOT3 engine



With its newly developed Komatsu ECOT3 engine, the PC450-8 significantly reduces hourly fuel consumption through highly efficient techniques for matching the engine and hydraulic unit. It also includes a number of features to promote energy-saving operation such as the variable E mode and Eco-gauge.



Komatsu SAA6D125E-5

New ECOT3™ Engine SAA6D125E-5

To meet EU Stage IIIA regulations whilst maintaining our industry backing fuel efficiency advantages, Komatsu introduces the all new ECOT3™ engine series.

- Electronic control system
- High pressure common rail fuel injection
- Cooled exhaust gas recycling system
- New combustion system
- Air-to-air cooling system



REVOLUTIONARY MACHINE MANAGEMENT



The Komatsu Tracking System, KOMTRAX™, provides a revolutionary new way to monitor your equipment, anytime, anywhere. It lets you pin-point the precise location of your machines and obtain real-time machine data. Using GPS location and communication satellite technology, it's designed to be future proof and will meet your demands today and tomorrow.

Komtrax will help you to answer the three most important questions you have about your machine:

- Is the machine making money
- Is the machine safe
- Is the machine in good health

For more details, please ask your distributor for a copy of the Komtrax brochure.



KOMTRAX™ server

Check machine location



Customer



Check service meter



Annual working hour record

Machine ID	Year	Working Hours	Idle Hours	Total Hours
PC450-8	2010	1500	1000	2500
PC450-8	2011	1800	1200	3000
PC450-8	2012	2000	1400	3400

Caution and periodic maintenance

Machine ID	Item	Due Date	Status
PC450-8	Oil Change	2012-10-15	Completed
PC450-8	Filter Replacement	2012-11-01	Pending
PC450-8	Inspection	2012-12-01	Overdue

Working record (fuel level, hours etc.)

Date	Working Hours	Fuel Level	Temp	Pressure
2012-09-01	100	100	100	100
2012-09-02	110	110	110	110
2012-09-03	120	120	120	120

There are certain countries where KOMTRAX™ is not yet available, please contact your distributor when you want to activate the system. Komtrax will not operate if the satellite signal is blocked or obscured.

MAINTENANCE FEATURES

Easy maintenance

Komatsu designed the PC450-8 to have easy service access. By doing this, routine maintenance and servicing are less likely to be skipped. This can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC450-8:

Side-by-side cooling

The oil cooler and radiator are installed side by side. As a result, it is very easy to clean the radiator, etc. In addition, the operator can remove and install the aftercooler, radiator and oil cooler in a short time.



Water separator

This is standard equipment which removes any water that has become mixed with the fuel, preventing fuel system damage.



Easy access to the engine oil filter and fuel drain valve

The engine oil filter and fuel drain valve are mounted remotely to improve accessibility.

SPECIFICATIONS



ENGINE

Model Komatsu SAA6D125E-5
 Type..... Common rail direct injection, water-cooled, cooled EGR, emissionised, turbocharged, after-cooled diesel
 Rated capacity 257 kW/345 HP (ISO 9249 Net) 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/60 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 pump2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
 Maximum pump flow..... 2 x 345 ltr/min
 Relief valve settings
 Implement380 bar
 Travel380 bar
 Swing285 bar
 Pilot circuit.....33 bar



ENVIRONMENT

Engine emissions Fully complies with EU Stage IIIA and EPA Tier III exhaust emission regulations
 Noise levels
 LwA external 107 dB(A) (2000/14/EC Stage II)
 LpA operator ear..... 71 dB(A) (ISO 6369 dynamic test)



OPERATING WEIGHT (APPR.)

Operating weight, including specified work equipment. High reach and medium reach includes attachment weight of 2.500 kg. Excavation boom equipment includes 3,4 m arm and 2.180 kg bucket. All include operator, lubricant, coolant, full fuel tank. Optional Hydraulic Wide Gauge (HWG) undercarriage adds approx. 9.930 kg to the machine weight.



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 torque132 kNm



DRIVES AND BRAKES

Steering control 2 levers with pedals giving full independent control of each track
 Drive methodHydrostatic
 Travel operation..... Automatic 3-speed selection
 Max. travel speeds
 Lo / Mi / Hi3,0 / 4,4 / 5,5 km/h
 Maximum drawbar pull..... 34.000 kgf
 Brake system..... Hydraulically operated discs in each travel motor



UNDERCARRIAGE

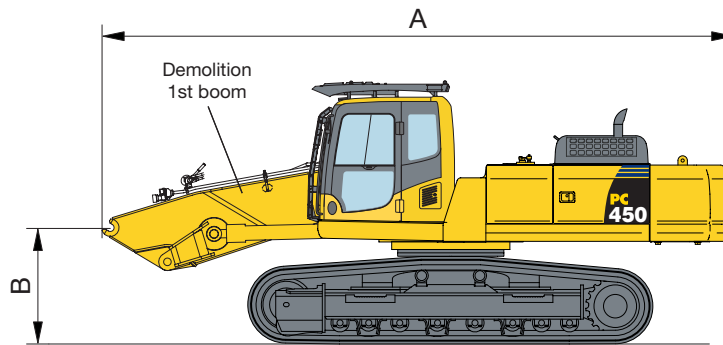
Construction..... X-frame centre section with box section track-frames
 Track assembly
 Type Fully sealed
 Shoes (each side) 49
 Tension Combined spring and hydraulic unit
 Rollers
 Track rollers (each side)..... 8
 Carrier rollers (each side)..... 2 (LC); 3 (HWG)



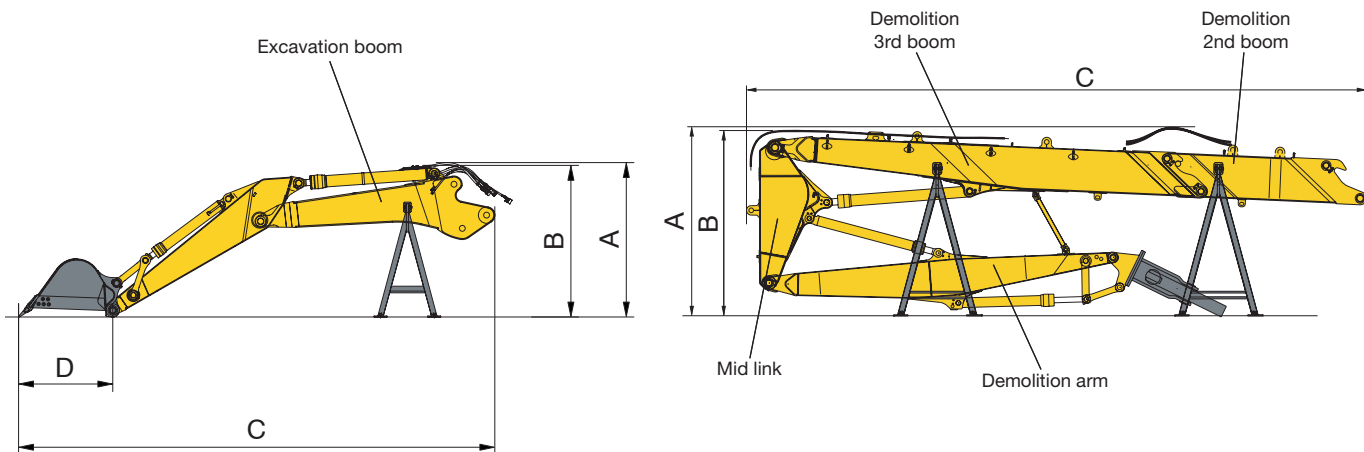
COOLANT AND LUBRICANT CAPACITY (REFILLING)

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

HIGH REACH			MEDIUM REACH		EXCAVATION BOOM	
	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
Triple grouser shoes						
600 mm	58.690 kg	1,11 kg/cm ²	56.970 kg	1,07 kg/cm ²	50.270 kg	0,96 kg/cm ²
700 mm	59.140 kg	0,96 kg/cm ²	57.420 kg	0,93 kg/cm ²	50.720 kg	0,83 kg/cm ²



A	Transport length	8.315 mm
B	Maximum boom height (incl. hydraulic lines)	1.540 mm
	Transport weight with LC undercarriage (700 mm shoes, not including additional counterweight)	43.325 kg
	Additional weight for hydraulic wide gauge	9.930 kg
	Additional counterweight (1.470 mm × 640 mm × 550 mm)	4.490 kg

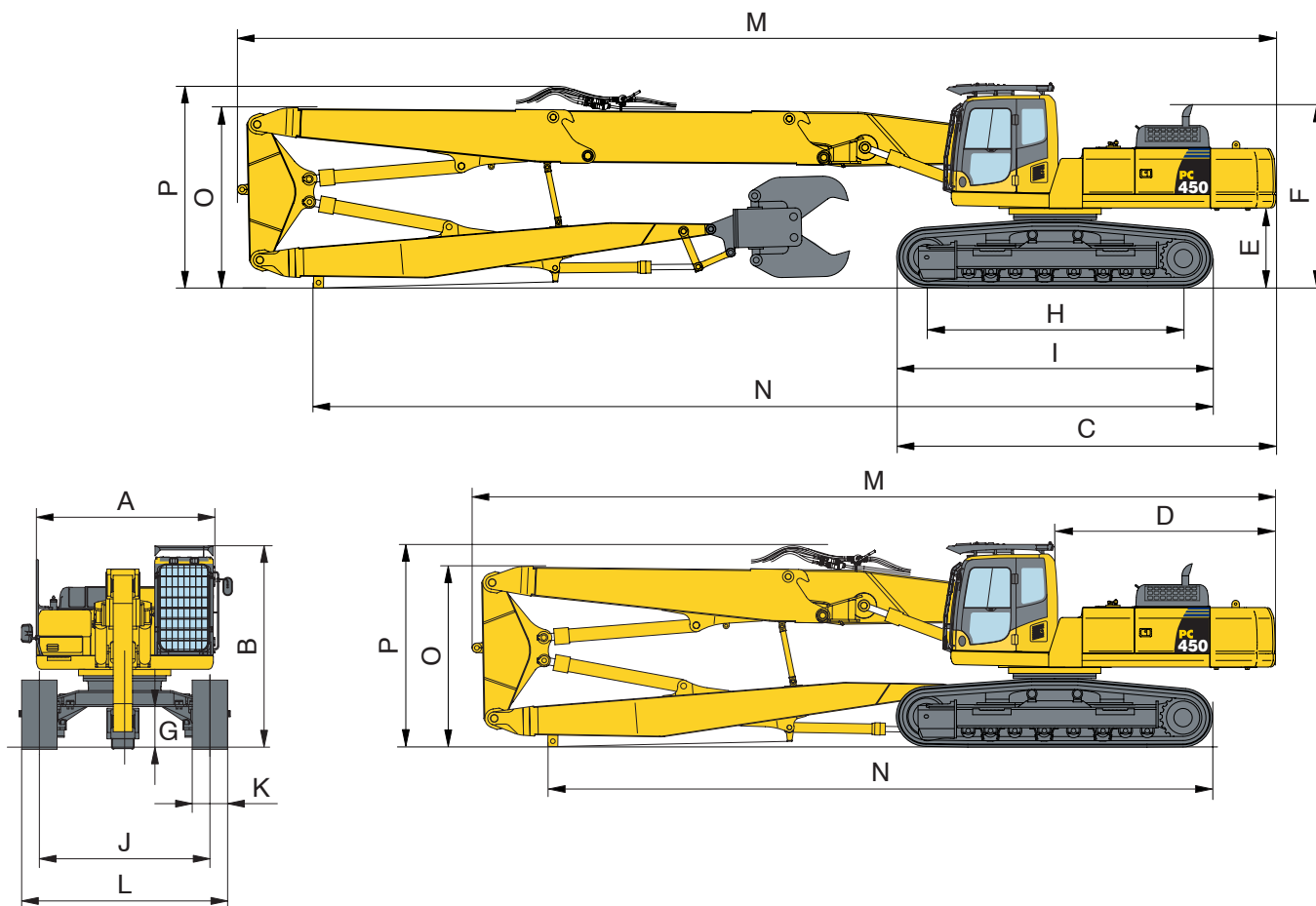


EQUIPMENT		EXCAVATION BOOM		HIGH REACH BOOM
		2,9 m arm	3,4 m arm	
A	Total height (incl. hydraulic lines)	3.025 mm	3.025 mm	3.425 mm
B	Height	2.980 mm	2.980 mm	3.250 mm
C	Length	8.780 mm	9.330 mm	11.412 mm
D	Tip radius	1.845 mm	1.845 mm	–
	Support weight	320 kg	320 kg	760 kg
	Excavation boom/2nd boom weight	2.910 kg ¹⁾	2.910 kg ¹⁾	1.720 kg
	3rd boom weight ¹⁾	–	–	2.500 kg
	Mid link weight	–	–	1.050 kg
	Arm weight ¹⁾	2.295 kg	2.305 kg	1.940 kg
	Bucket weight	2.180 kg	2.180 kg	–
	Total weight ²⁾	7.705 kg	7.715 kg	9.585 kg

1) Not including hydraulic cylinder.

2) Including hydraulic cylinders, links, hydraulic lines, stands and stated attachment weight.

TRANSPORT DIMENSIONS



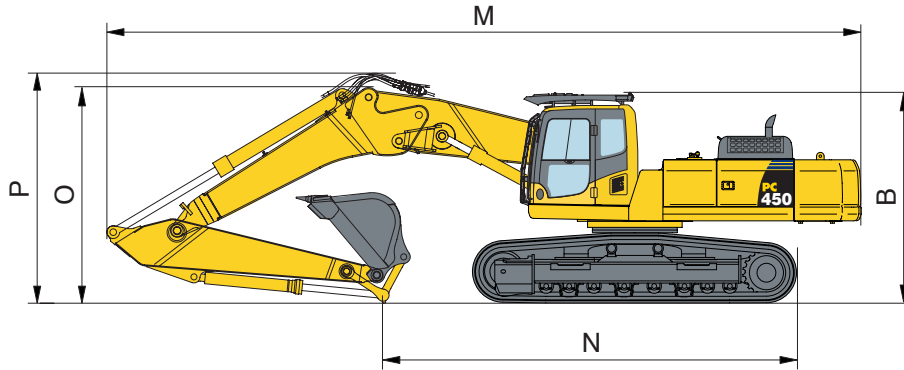
MACHINE DIMENSIONS		HIGH REACH	MEDIUM REACH
A	Overall width of upper structure ¹⁾	2.995 mm	2.995 mm
B	Overall height of cab, with FOPS ³⁾	3.485 mm	3.485 mm
	Overall height of cab, without FOPS ³⁾	3.265 mm	3.265 mm
C	Overall length of basic machine	6.385 mm	6.385 mm
D	Tail length	3.705 mm	3.705 mm
E	Clearance under counterweight	1.320 mm	1.320 mm
F	Machine tail height	3.110 mm	3.110 mm
G	Ground clearance	685 mm	685 mm
	Ground clearance (HWG undercarriage)	500 mm	500 mm
H	Tumbler centre distance	4.350 mm	4.350 mm
	Tumbler centre distance (HWG undercarriage)	4.315 mm	4.315 mm
I	Track length	5.355 mm	5.355 mm
J	Track gauge ²⁾	2.390 - 2.890 mm	2.390 - 2.890 mm
	Track gauge (HWG undercarriage)	2.280 - 3.130 mm	2.280 - 3.130 mm
K	Track shoe width (700 mm only with HWG undercarriage)	600 mm, 700 mm	600 mm, 700 mm
L	Overall track width with 600 mm shoes ²⁾	2.990 - 3.490 mm	2.990 - 3.490 mm
	Overall track width with 700 mm shoes ²⁾	3.090 - 3.590 mm	3.090 - 3.590 mm
	Overall track width with 700 mm shoes (HWG undercarriage) ²⁾	2.980 - 3.830 mm	2.980 - 3.830 mm
M	Transport length	18.870 mm	14.870 mm
N	Length on ground (transport)	17.840 mm	13.840 mm
O	Overall height (to top of boom)	3.120 mm	3.110 mm
P	Overall height (to top of hose)	3.350 mm	3.340 mm

1) Overall width of upper structure excludes side guards, handrails and mirrors. Side guards can be removed if transport width of less than 3 m is required.

2) Undercarriage in retracted - extended position

3) Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 165 mm

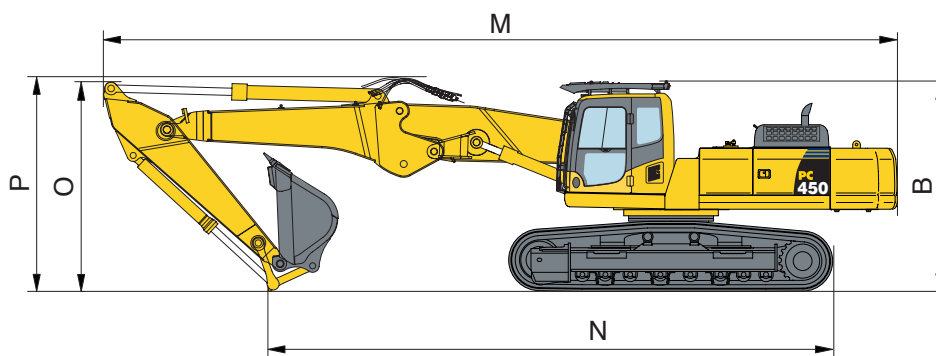
EXCAVATION BOOM - BENT POSITION



ARM LENGTH		2,9 m	3,4 m
M	Overall transport length	12.555 mm	12.430 mm
N	Transport length	7.415 mm	6.680 mm
B	Transport height (to top of cab, with FOPS)	3.485 mm	3.485 mm
	Transport height (to top of cab, without FOPS)	3.265 mm	3.265 mm
O	Transport height (to top of boom)	3.880 mm	3.660 mm
P	Transport height (to top of hose)	4.030 mm	3.810 mm

Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 165 mm

EXCAVATION BOOM - STRAIGHT POSITION

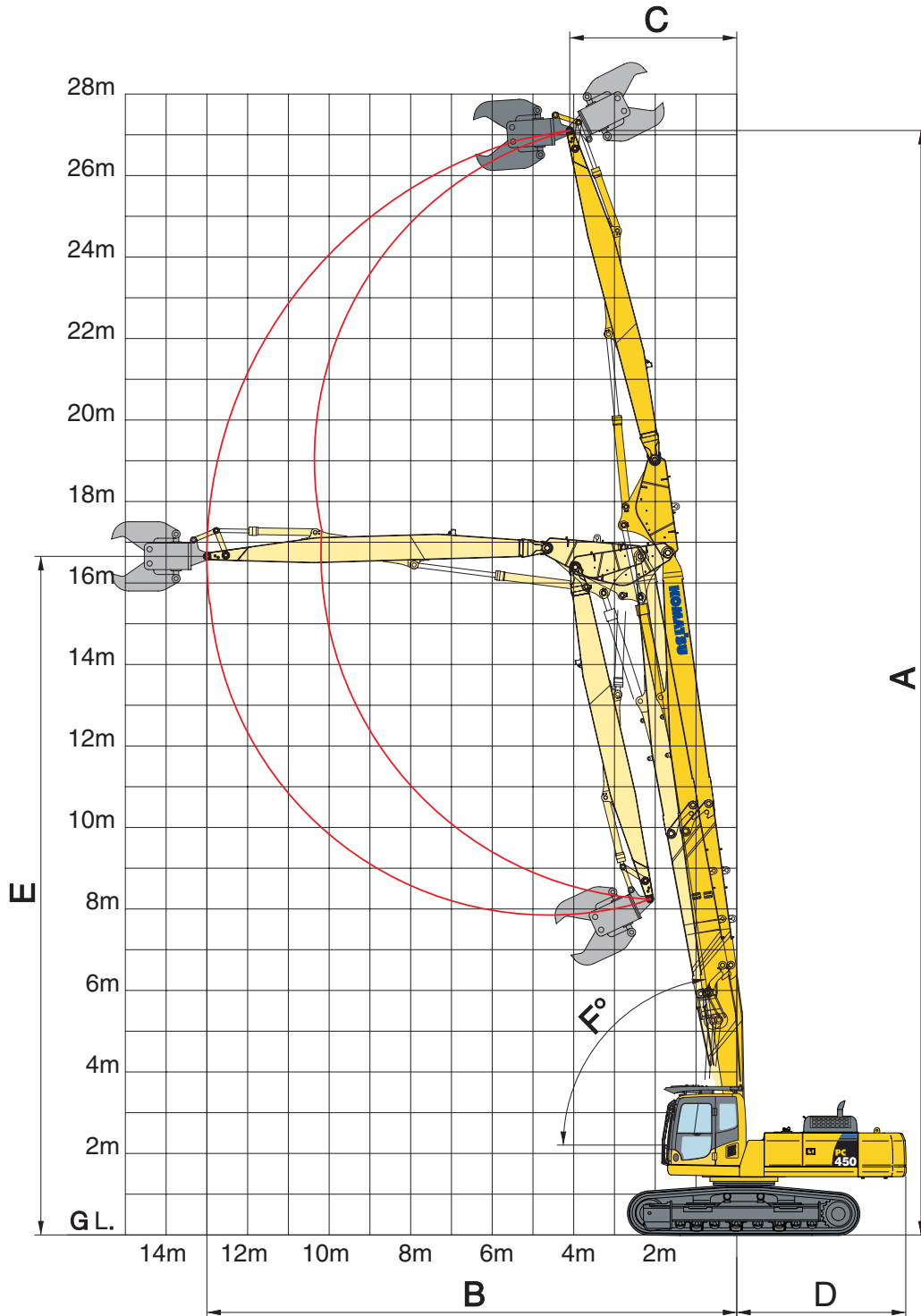


ARM LENGTH		2,9 m	3,4 m
M	Overall transport length	13.095 mm	13.070 mm
N	Transport length	9.105 mm	8.495 mm
B	Transport height (to top of cab, with FOPS)	3.485 mm	3.485 mm
	Transport height (to top of cab, without FOPS)	3.265 mm	3.265 mm
O	Transport height (to top of boom)	3.620 mm	3.690 mm
P	Transport height (to top of hose)	3.670 mm	3.740 mm

Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 165 mm

WORKING RANGE

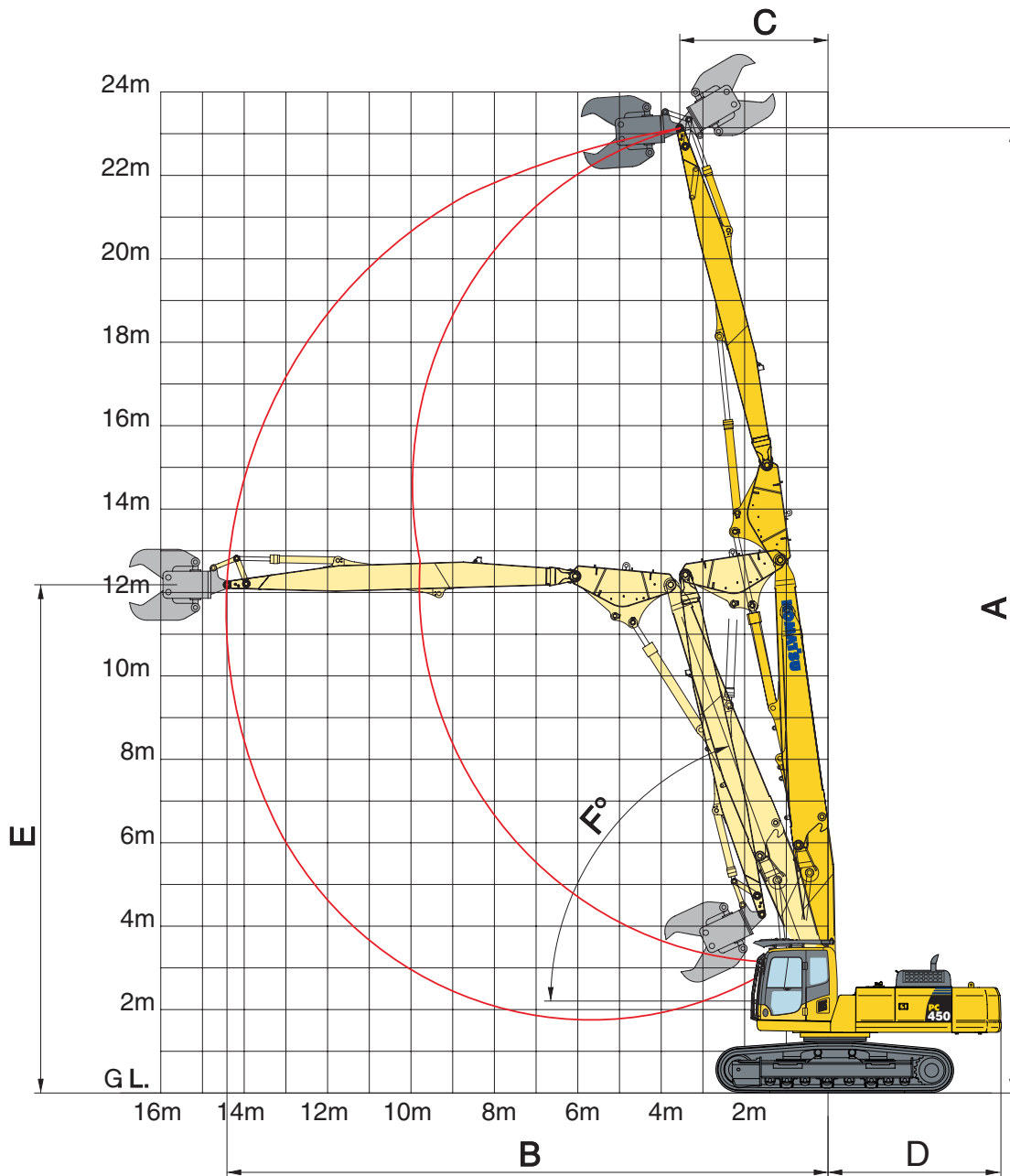
HIGH REACH DEMOLITION



HIGH REACH DEMOLITION		
A	Max. working height (to pin at arm end)	27.100 mm
B	Max. forward reach	13.500 mm
C	Min. swing radius of arm end pin (max. height)	4.100 mm
D	Tail swing radius	3.740 mm
E	Height at max. reach	16.650 mm
F	Min. boom angle from ground at max. height	80°

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

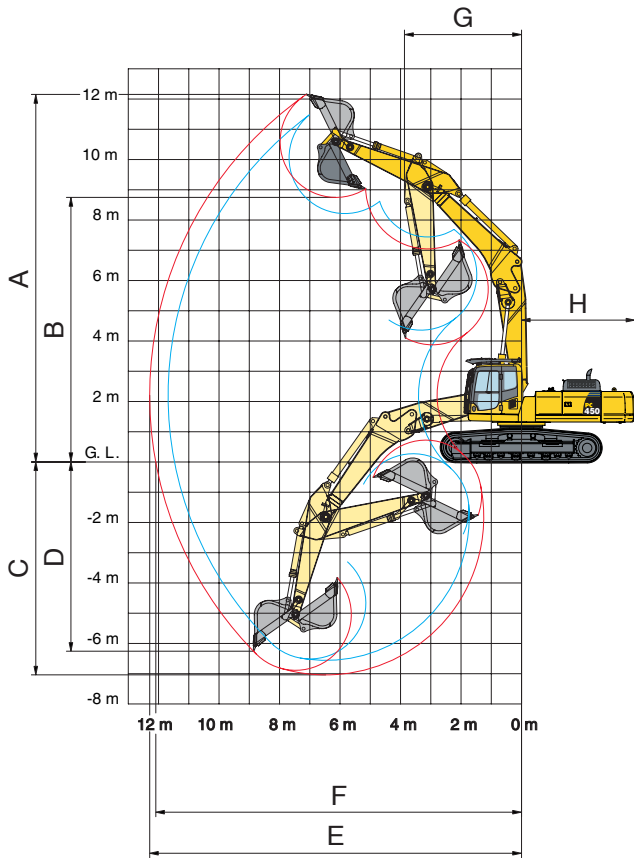
MEDIUM REACH DEMOLITION



MEDIUM REACH DEMOLITION		
A	Max. working height (to pin at arm end)	23.140 mm
B	Max. forward reach	14.410 mm
C	Min. swing radius of arm end pin (max. height)	3.550 mm
D	Tail swing radius	3.740 mm
E	Height at max. reach	12.180 mm
F	Min. boom angle from ground at max. height	70°

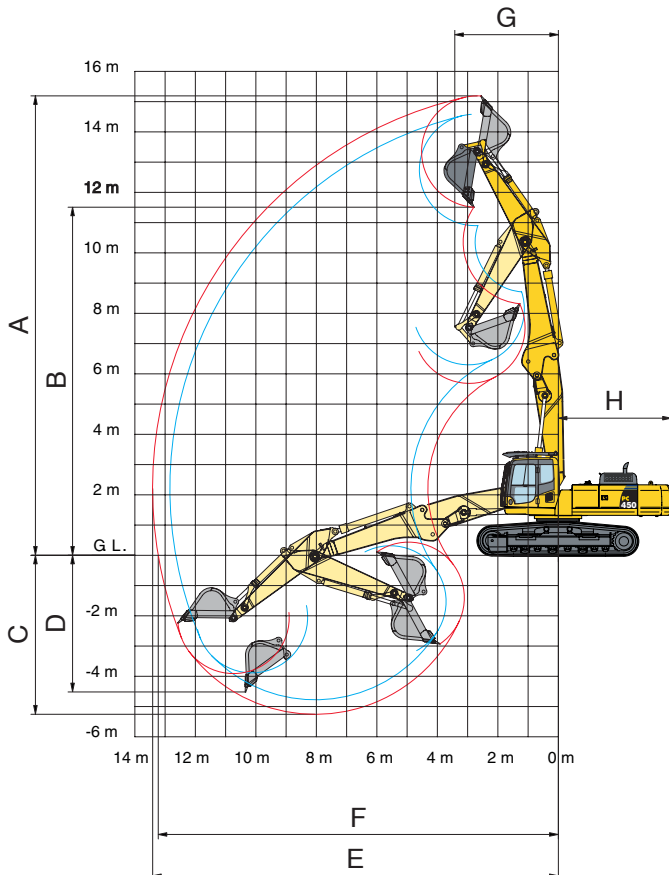
This working range is applicable through 360 degrees (depending upon fitted attachment) (for LC or HWG undercarriage). For operator and jobsite safety, Komatsu recommend that high reach demolition machines work in line with the trackframe where ever possible.

WORKING RANGE



EXCAVATION 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

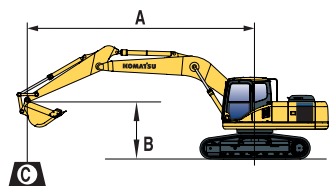


EXCAVATION BOOM - STRAIGHT POSITION

	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

PC450LC-8



- A – Reach from swing centre
- B – Bucket hook height
- C – Lifting capacities, including bucket, bucket linkage and bucket cylinder

- 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

EXCAVATION BOOM - BENT POSITION

Arm length	B	A		10,5 m		9,0 m		7,5 m		6,0 m	
	9,0 m	kg	10250 *	10250 *							
	7,5 m	kg	10400 *	8400				12900 *	10350		
	6,0 m	kg	10950 *	6750		11200	6950	14400 *	9900	17000 *	14750
	4,5 m	kg	9600	5800		10850	6650	15000	9250	19200 *	13450
	3,0 m	kg	8900	5250		10450	6250	14200	8550	20500	12100
	1,5 m	kg	8600	5000		10050	5900	13450	7900	19250	11000
	0,0 m	kg	8750	5000		9750	5600	13000	7500	18550	10400
	-1,5 m	kg	9350	5350		9600	5450	12750	7250	18300	10200
	-3,0 m	kg	10750	6150				12500	7050	18400	10250
-4,5 m	kg	13050 *	7900							15850 *	10600
	9,0 m	kg	7050 *	7050 *				8000 *	8000 *		
	7,5 m	kg	7100 *	7100 *				10350 *	10350 *		
	6,0 m	kg	7400 *	6100		9950 *	7150	13050 *	10200	15000 *	15000 *
	4,5 m	kg	7950 *	5300		11050	6800	15050 *	9550	18400 *	13950
	3,0 m	kg	8200	4850		10600	6400	14500	8800	20450 *	12250
	1,5 m	kg	7950	4600		10200	6050	13750	8150	19700	11400
	0,0 m	kg	8050	4600		9850	5700	12950	5700	18850	10700
	-1,5 m	kg	8500	4850		9650	5500	12850	7350	18450	10350
	-3,0 m	kg	9600	5500		9600	5500	12500	7050	18450	10300
-4,5 m	kg	11850	6850				12950	7450	17350 *	10550	

EXCAVATION BOOM - STRAIGHT POSITION

Arm length	B	A		10,5 m		9,0 m		7,5 m		6,0 m		
	9,0 kg	kg	10450 *	6950				12900 *	10000	12750 *	12750 *	
	7,5 kg	kg	9100	5450		10950	6750	14350 *	9700	14350 *	14350 *	
	6,0 kg	kg	7850	4550	7900	4600	10700	6500	14900	9150	21150 *	13500
	4,5 kg	kg	7150	4050	7750	4450	10300	6150	14100	8450	20100	11750
	3,0 kg	kg	6750	3750	7550	4300	9850	5750	13200	7700	18950	10750
	1,5 kg	kg	6600	3600	7350	4100	9500	5400	12650	7200	17950	9900
	0,0 kg	kg	6750	3700	7250	4000	9250	5200	12300	6850	17600	9600
	-1,5 kg	kg	7200	3950	7250	4000	9200	5100	12200	6800	15850 *	9600
	-3,0 kg	kg					8400 *	5200	10600 *	6900		
	9,0 kg	kg	7300 *	6050			8900 *	7000	10000 *	10000 *	9700 *	9700 *
	7,5 kg	kg	7150 *	4850			10400 *	6950	10950 *	10000	10600 *	10600 *
	6,0 kg	kg	7200	4150	8100	4800	10900	6700	13600 *	9450	15200 *	13950
	4,5 kg	kg	6550	3700	7900	4600	10500	6300	14400	8750	21100	12600
	3,0 kg	kg	6250	3450	7700	4400	10050	5900	13550	8000	19500	11200
	1,5 kg	kg	6150	3350	7450	4200	9650	5550	12900	7400	18350	10250
	0,0 kg	kg	6250	3400	7300	4050	9350	5250	12450	7000	17800	9800
	-1,5 kg	kg	6600	3600	7250	4000	9200	5150	12300	6850	17400 *	9700
	-3,0 kg	kg	6350 *	4050	6450 *	4050	9250	5150	11850 *	6900	13600 *	9850

Lifting capacity table is published for guidance only, the machine is not intended for use as a crane. Lifting capacities are stated in kg, on the tip of the arm, for machine on firm, level supporting surface. The weight of any attachment used should be deducted from the values shown, to calculate payload. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated by *). Lifting capacity of the machine is limited by machine stability, hydraulic capacity and maximum permissible load of the attachment.

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 • 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/60 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 video compatible colour monitor with equipment management monitoring system | <p>(EMMS) and efficiency guidance</p> <ul style="list-style-type: none"> • 5-working mode selection system; Power mode, economy mode, breaker mode, attachment mode and lifting mode • PowerMax function • Auto-deceleration function • Fuel control dial • Adjustable PPC wrist control levers with 3 button control and proportional attachment control slider for arm, boom, bucket and swing • PPC control levers and pedals for steering and travel • PPC pedal for high reach demolition mid link • 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 • Counterweight prepared for | <p>demolition counterweight</p> <ul style="list-style-type: none"> • Heavy duty revolving frame with heavy duty demolition under covers and side guard protection • Demolition Safety SpaceCab™, with ISO 10262 level 2 FOPS guards and roof screen wash/wiper, safety glass windows, pull-up type front window with locking device, fixed roof window with wiper and washer, removable lower window, front window wiper • Tilting cab, with control equipment, hydraulic power hoses and cab raise cylinders • 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 • Rear view camera system • Audible travel alarm • Electric horn • Track roller guards | <ul style="list-style-type: none"> • Track frame under-guards • Lockable fuel cap and covers • Remote greasing for swing circle and pins • Fuel supply pump • Overload warning device • Boom safety valves • Two-mode boom control • Large handrails and r.h. rear-view mirror • Lights; 2 revolving frame lights and 1 boom light • 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 hydraulic pipework, with quick connectors, suitable for operation of high reach demolition work equipment and operation of rotating crusher attachment |
|--|---|---|--|

OPTIONAL EQUIPMENT

- | | | | |
|---|---|---|--|
| <ul style="list-style-type: none"> • LC or hydraulic adjustable wide gauge (HWG) undercarriage • 600, 700 mm triple grouser track shoes (HWG: 700 mm only) • Excavation arm assemblies Includes bucket cylinder and piping, bucket linkage, 2,9 m or 3,4 m standard arm, with 2 additional dual flow proportional service circuits, with drain circuit for hydraulic attachment rotation motors • Excavation boom Includes two position excavation boom (bent/straight) to fit onto | <p>demolition first boom. Associated pipework for excavation arm cylinder and bucket cylinder. Quick connectors to suit demolition first boom. With pipework suitable for operation of excavation equipment and rotating crusher attachment (includes pipework associated with excavation boom)</p> <ul style="list-style-type: none"> • Demolition second boom Includes demolition extension boom (4,0 m) fitted with hydraulic pipework, with quick connectors, suitable for operation of high reach demolition | <p>work equipment and operation of rotating crusher attachment</p> <ul style="list-style-type: none"> • Demolition third boom Includes demolition third boom, mid link, high reach demolition arm, demolition attachment linkage. Fitted with hydraulic pipework, with quick connectors, suitable for operation of high reach demolition work equipment and operation of rotating crusher attachment • Additional counterweight. To fit into main demolition counterweight when high reach demolition equipment is | <p>installed. Removable for excavation operations. Included with any high reach boom equipment</p> <ul style="list-style-type: none"> • Full length track roller guards (not HWG) • Service points • Bio-oil • Customised paint • Komatsu buckets |
|---|---|---|--|

Call the experts



Komatsu Europe International NV

Mechelsesteenweg 586
B-1800 VILVOORDE (BELGIUM)
Tel. +32-2-255 24 11
Fax +32-2-252 19 81
www.komatsu.eu

UESS13501 02/2008

Materials and specifications are subject to change without notice.

KOMATSU is a trademark of Komatsu Ltd. Japan.