KOMATSU

NET HORSEPOWER
184 kW 247 HP @ 1.950 rpm

OPERATING WEIGHT
PC350LC-8: 38.895 - 48.190 kg
PC350NLC-8: 38.785 - 54.195 kg

ATTACHMENT TOOL WEIGHT
max. 2.500 kg

PC350LC-8
PC350NLC-8

High Reach Demolition Specification

PC 350

HYDRAULIC EXCAVATOR

PC350LC/NLC-8

ecot3

WALK-AROUND

The new High Reach Demolition PC350LC and NLC Dash 8 machines have been designed with maximum machine deployment in mind. These machines retain all of the benefits of the Dash 8 excavators and give 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.

Revolutionary machine management

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

KOMTRAX

NET HORSEPOWER
184 kW 247 HP

OPERATING WEIGHT
PC350LC-8: 38.895 - 48.190 kg
PC350NLC-8: 38.785 - 54.195 kg

MAXIMUM WORKING HEIGHT
23.000 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 SAA6D114E-3 engine meets EU Stage IIIA and EPA Tier III emission regulations.
29% NOx reduction.

ecot3
ecology & economy - technology 3

TOTAL OPERATOR COMFORT

Tilting cab standard

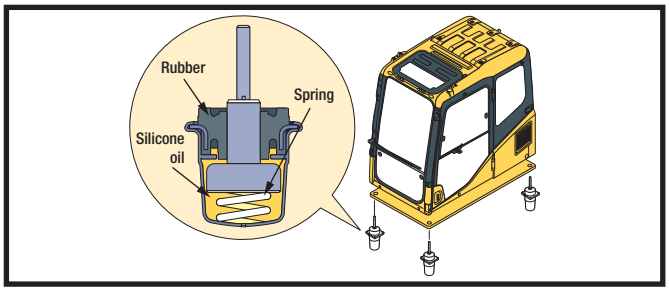
The revolving frame has been developed specifically for use in demolition work. There is no surface beneath the cab where debris could collect. The tilting mechanism does not increase the height of the cab for transport. The tilting action is fast, smooth and infinitely variable between 0 and 30 degrees, 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.

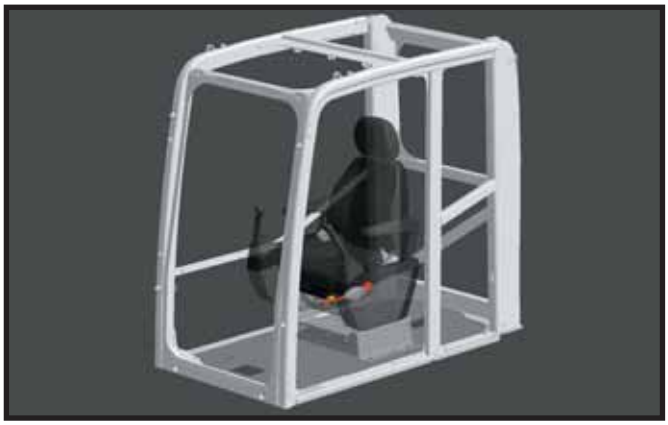
Joysticks

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 PC350-8 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 23 m
- Maximum forward pin reach is 12 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 20 m
- Maximum forward pin reach is 12 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 14 m
- Maximum forward reach (bucket teeth) is 12,5 m

Bent position

- Maximum vertical height (bucket teeth) is 10,8 m
- Maximum forward reach (bucket teeth) is 11,4 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

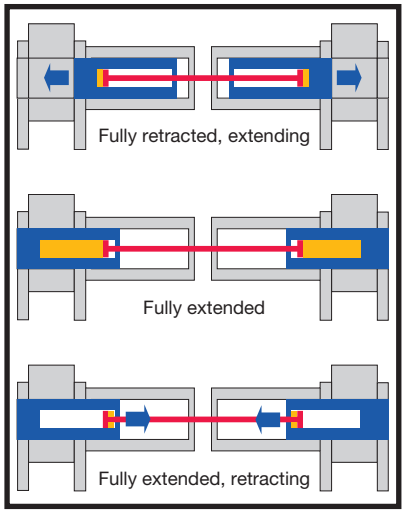
Hydraulically assisted boom connection

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

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

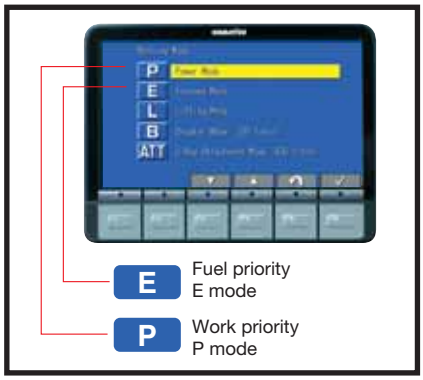
Track links

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

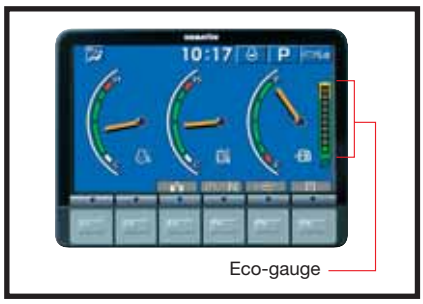
(option)

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 CO_2 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 PC350-8 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 SAA6D114E-3

New ECOT3™ Engine SAA6D114E-3

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 pression common rail fuel injection
- New combustion system
- Air-to-air cooling system

REVOLUTIONARY MACHINE MANAGEMENT

KOMTRAX

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

Caution and periodic maintenance

Working record (fuel level, hours etc.)

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 PC350-8 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 PC350-8:

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 SAA6D114E-3
Type..... Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Rated capacity ..... 184 kW/247 HP (ISO 9249 Net)
at engine speed ..... 1.950 rpm
No. of cylinders 6
Bore × stroke..... 114 × 135 mm
Displacement..... 8,27 ltr
Battery ..... 2 × 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 pump ..... 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow..... 2 × 268 ltr/min
Relief valve settings
Implement ..... 380 bar
Travel ..... 380 bar
Swing ..... 285 bar
Pilot circuit ..... 33 bar

ENVIRONMENT

Engine emissions ..... Fully complies with EU Stage IIIA exhaust emission regulations
Noise levels
LwA external ..... 105 dB(A) (2000/14/EC Stage II)
LpA operator ear..... 71 dB(A) (ISO 6369 dynamic test)

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 - 9,5 rpm
Swing torque ..... 102,9 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 ..... 3,2 / 4,5 / 5,5 km/h
Maximum drawbar pull..... 26.900 kg
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) ..... 48 (LC/NLC); 49 (HWG)
Tension ..... Combined spring and hydraulic unit
Rollers
Track rollers (each side)..... 8 (LC/NLC); 10 (HWG)
Carrier rollers (each side)..... 2

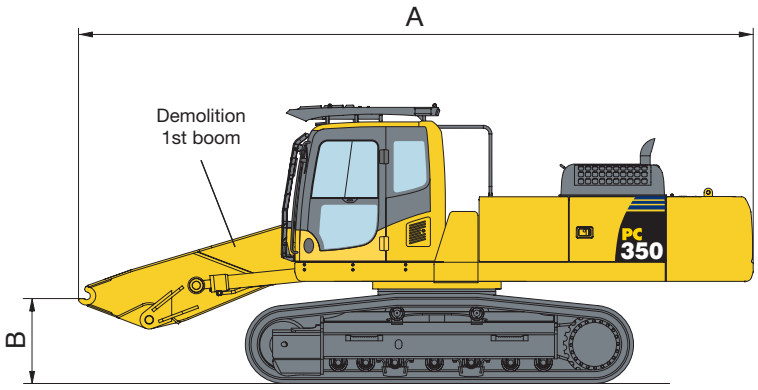
COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 605 ltr
Radiator..... 32 ltr
Engine oil..... 35 ltr
Swing drive..... 16,5 ltr
Hydraulic tank ..... 188 ltr
Final drive (each side)..... 9 ltr

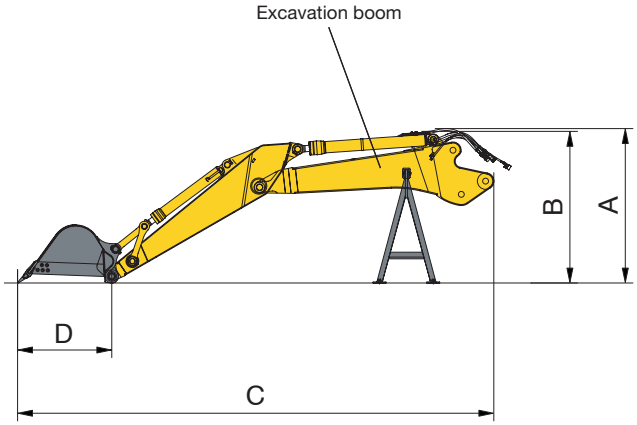
OPERATING WEIGHT (APPR.)

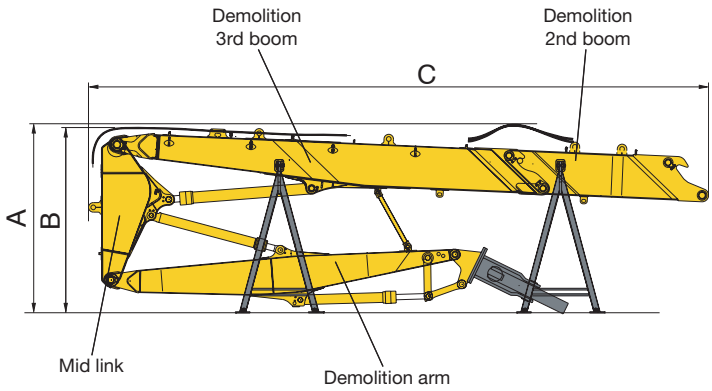
Operating weight, including specified work equipment. High reach and medium reach includes attachment weight of 2.500 kg. Excavation boom equipment includes 3,2 m arm and 1.290 kg bucket. All include operator, lubricant, coolant, full fuel tank.
Optional Hydraulic Wide Gauge (HWG) undercarriage adds approx. 6.115 kg to the machine weight (compared with NLC undercarriage).

	HIGH REACH				MEDIUM REACH				EXCAVATION BOOM			
	PC350LC-8		PC350NLC-8		PC350LC-8		PC350NLC-8		PC350LC-8		PC350NLC-8	
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	47.810 kg	0,91 kg/cm²	47.700 kg	0,91 kg/cm²	46.550 kg	0,89 kg/cm²	46.440 kg	0,88 kg/cm²	38.651 kg	0,74 kg/cm²	38.541 kg	0,74 kg/cm²
700 mm	48.190 kg	0,78 kg/cm²	48.080 kg	0,78 kg/cm²	46.930 kg	0,77 kg/cm²	46.820 kg	0,77 kg/cm²	39.031 kg	0,64 kg/cm²	39.141 kg	0,64 kg/cm²



A	Transport length	8.060 mm
B	Maximum boom height (incl. hydraulic lines)	1.500 mm
	Transport weight with LC undercarriage (700 mm shoes, not including additional counterweight)	33.400 kg
	Additional weight for hydraulic wide gauge	6.115 kg
	Additional counterweight (1.470 mm × 730 mm × 535 mm)	4.490 kg

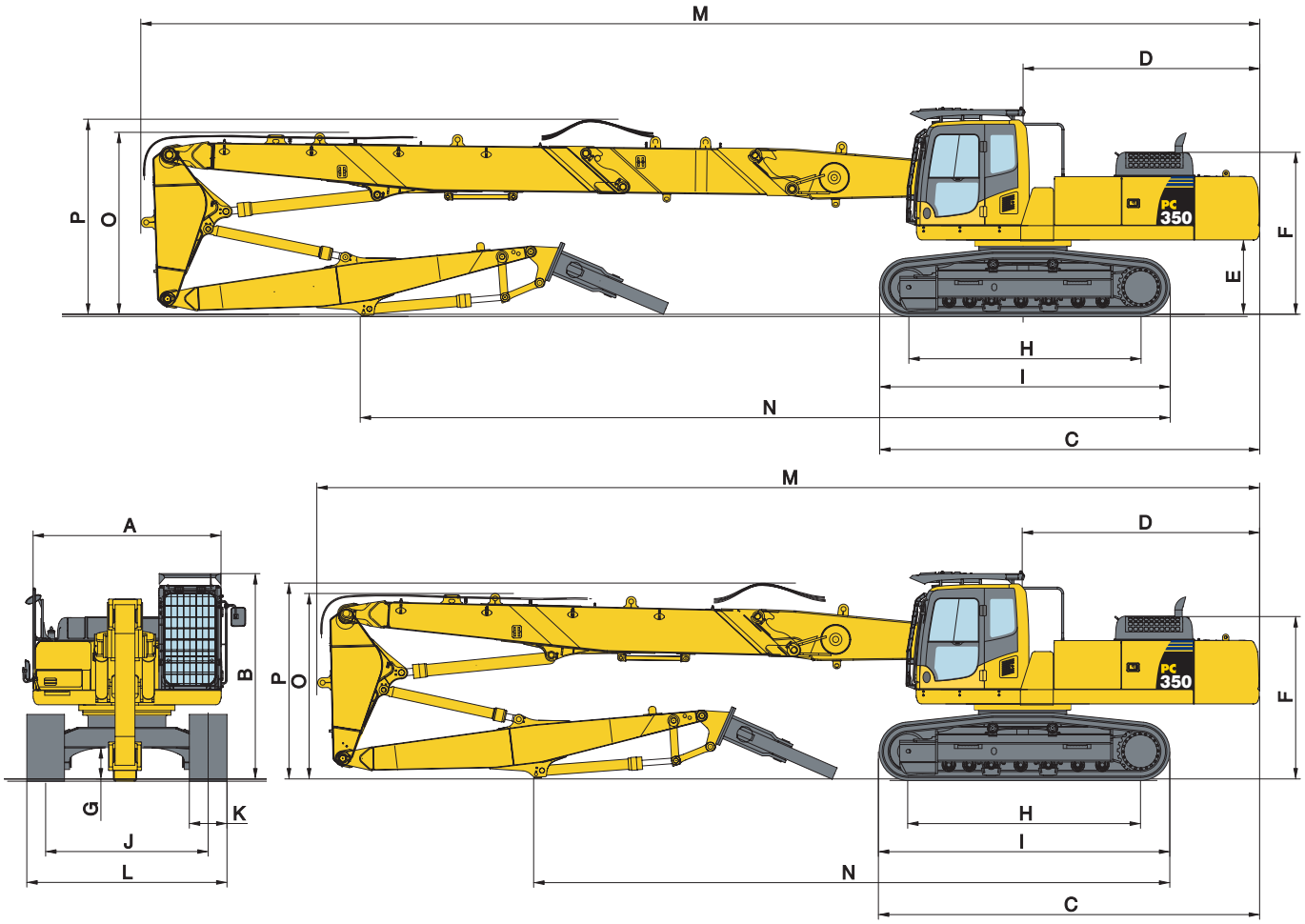




EQUIPMENT		EXCAVATION BOOM		HIGH REACH BOOM
		2,6 m arm	3,2 m arm	
A	Total height (incl. hydraulic lines)	2.625 mm	2.600 mm	3.205 mm
B	Height	2.540 mm	2.515 mm	3.140 mm
C	Length	8.110 mm	8.900 mm	10.515 mm
D	Tip radius	1.675 mm	1.675 mm	–
	Support weight	304 kg	304 kg	755 kg
	2nd boom weight	2.490 kg	2.490 kg	1.270 kg
	3rd boom weight [1]	–	–	2.500 kg
	Mid link weight	–	–	810 kg
	Arm weight [1]	1.710 kg	1.850 kg	1.790 kg
	Bucket weight	1.290 kg	1.290 kg	–
	Total weight [2]	6.040 kg	6.180 kg	8.555 kg

1) Not including hydraulic cylinder.
2) Including hydraulic cylinders, links, hydraulic lines, stands and stated attachment weight.

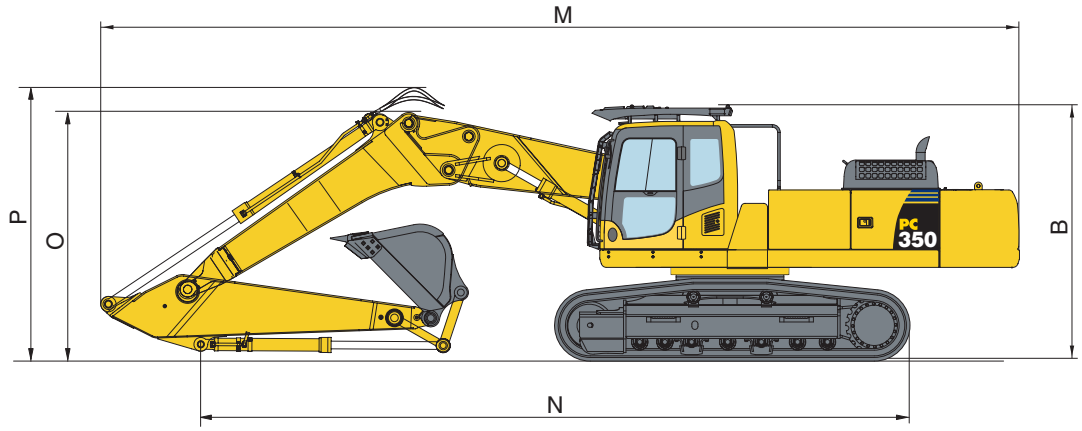
TRANSPORT DIMENSIONS



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 [2]	3.305 mm	3.305 mm
	Overall height of cab, without FOPS [2]	3.100 mm	3.100 mm
C	Overall length of basic machine	6.250 mm	6.250 mm
D	Tail length	3.775 mm	3.775 mm
E	Clearance under counterweight	1.185 mm	1.185 mm
F	Machine tail height	2.585 mm	2.585 mm
G	Ground clearance	498 mm	498 mm
	Ground clearance (HWG undercarriage)	449 mm	449 mm
H	Tumbler centre distance	4.030 mm	4.030 mm
I	Track length	4.955 mm	4.955 mm
J	Track gauge	2.590 mm (2.390 mm)	2.590 mm (2.390 mm)
	Track gauge (HWG undercarriage)	2.280 - 3.180 mm	2.280 mm - 3.180 mm
K	Track shoe width (700 mm only for HWG undercarriage)	600 mm, 700 mm	600 mm, 700 mm
L	Overall track width with 600 mm shoes [3]	3.190 mm (2.990 mm)	3.190 mm (2.990 mm)
	Overall track width with 700 mm shoes [3]	3.290 mm (3.090 mm)	3.290 mm (3.090 mm)
	Overall track width with 700 mm shoes (HWG undercarriage)	2.980 mm - 3.880 mm	2.980 mm - 3.880 mm
M	Transport length	17.800 mm	15.150 mm
N	Length on ground (transport)	16.100 mm	13.450 mm
O	Overall height (to top of boom)	2.880 mm	2.950 mm
P	Overall height (to top of hose)	3.150 mm	3.150 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) Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 105 mm
3) NLC figures in brackets ()

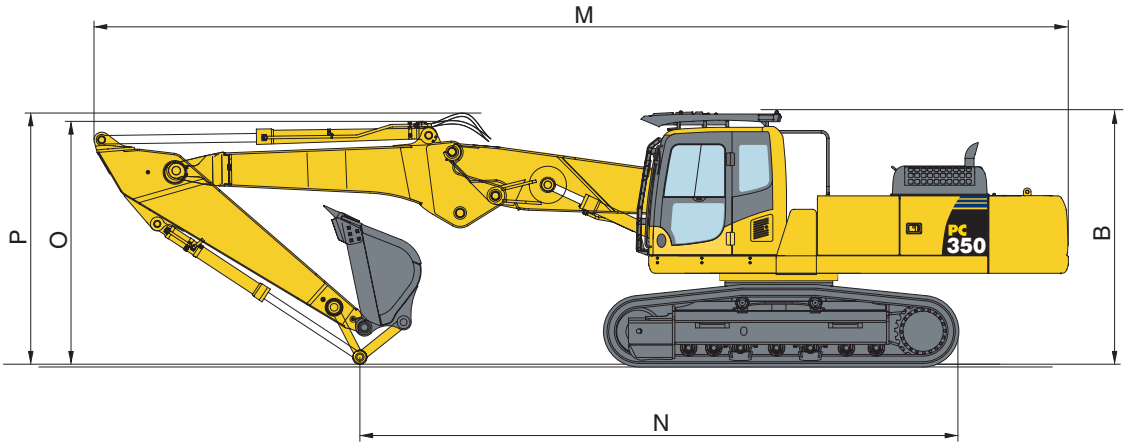
EXCAVATION BOOM - BENT POSITION



ARM LENGTH		2,6 m	3,2 m
M	Overall transport length	12.045 mm	11.955 mm
N	Transport length	6.930 mm	9.220 mm
B	Transport height (to top of cab, with FOPS)	3.305 mm	3.305 mm
	Transport height (to top of cab, without FOPS)	3.085 mm	3.085 mm
O	Transport height (to top of boom)	3.420 mm	3.225 mm
P	Transport height (to top of hose)	3.740 mm	3.550 mm

Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 105 mm

EXCAVATION BOOM - STRAIGHT POSITION

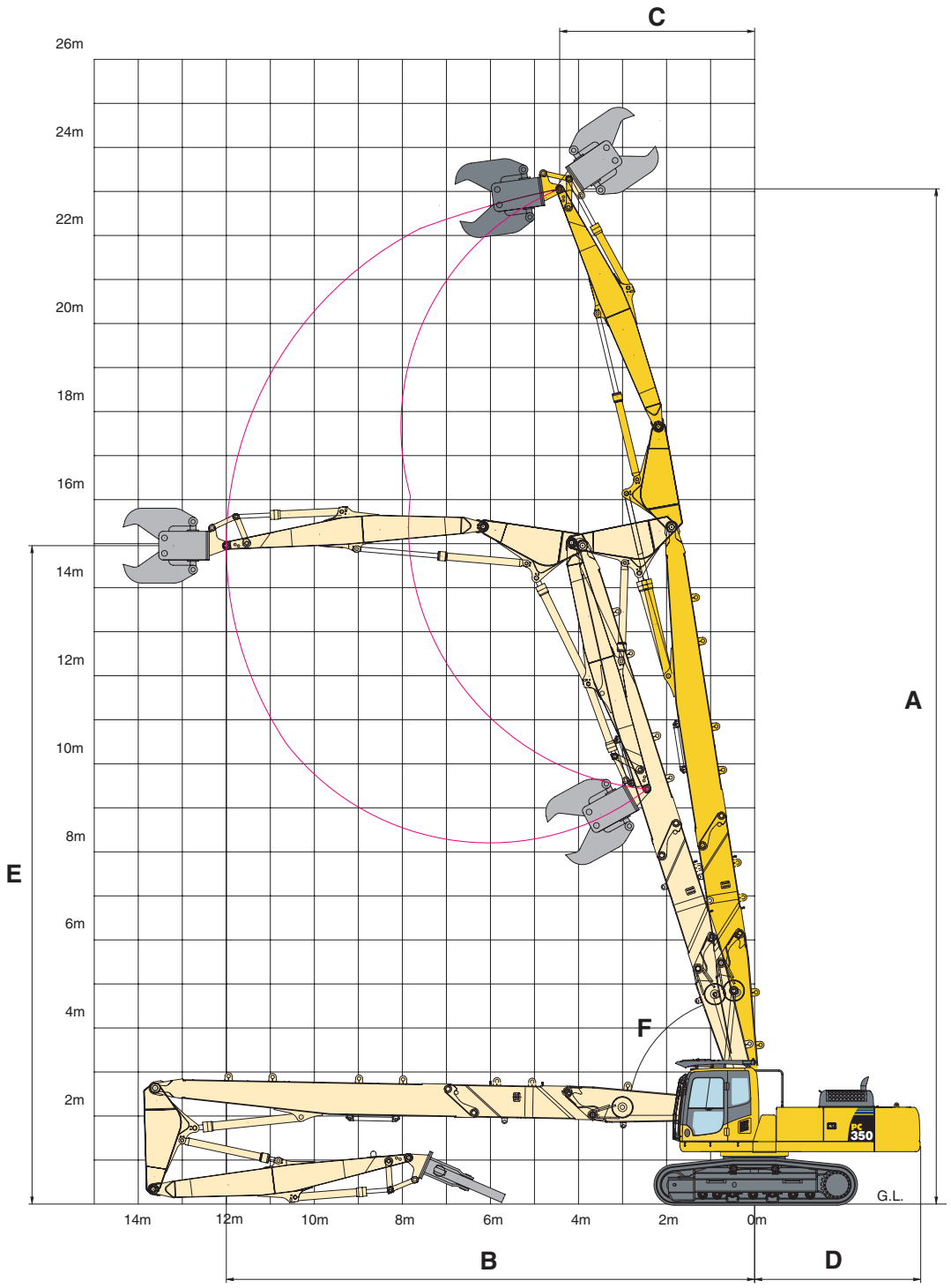


ARM LENGTH		2,6 m	3,2 m
M	Overall transport length	12.760 mm	12.670 mm
N	Transport length	8.520 mm	7.780 mm
B	Transport height (to top of cab, with FOPS)	3.305 mm	3.305 mm
	Transport height (to top of cab, without FOPS)	3.085 mm	3.085 mm
O	Transport height (to top of boom)	3.050 mm	3.165 mm
P	Transport height (to top of hose)	3.300 mm	3.400 mm

Overall height with Hydraulic Wide Gauge (HWG) undercarriage: + 105 mm

WORKING RANGE

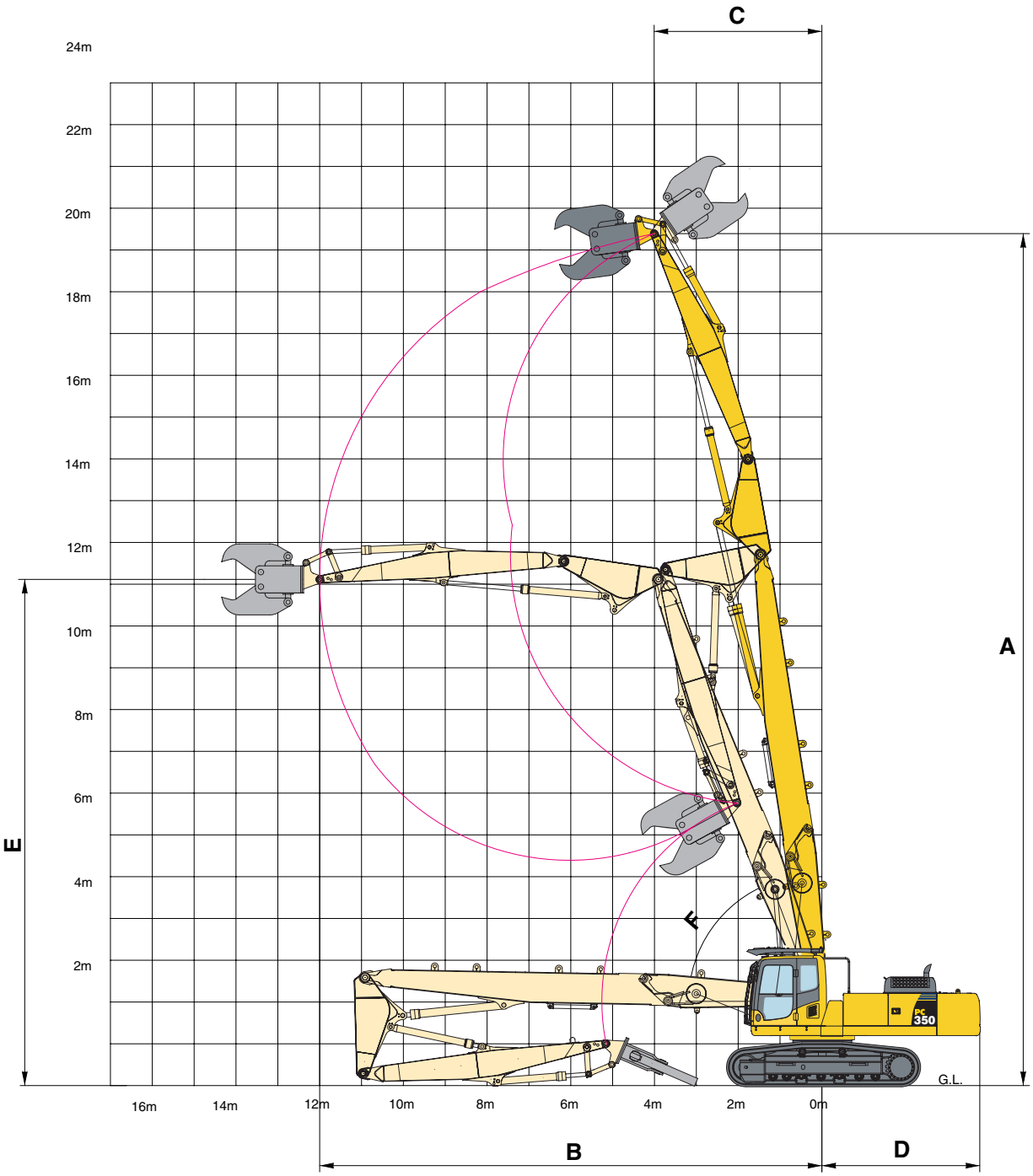
HIGH REACH DEMOLITION



HIGH REACH DEMOLITION		
A	Max. working height (to pin at arm end)	23.060 mm
B	Max. forward reach	12.000 mm
C	Min. swing radius of arm end pin (max. height)	4.430 mm
D	Tail swing radius	3.820 mm
E	Height at max. reach	14.955 mm
F	Min. boom angle from ground at max. height	75º

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.

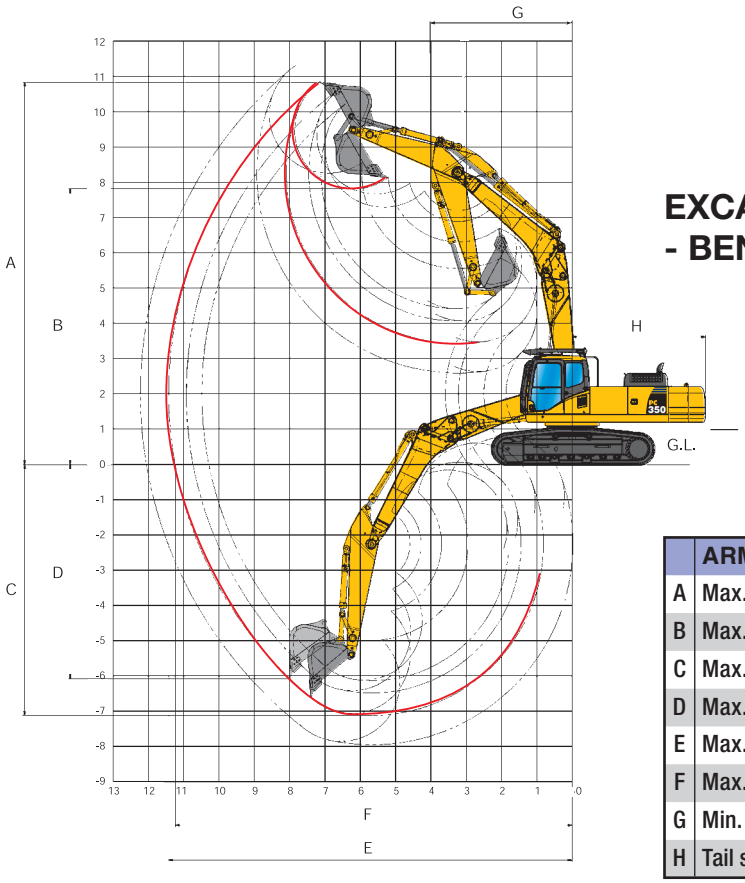
MEDIUM REACH DEMOLITION



MEDIUM REACH DEMOLITION		
A	Max. working height (to pin at arm end)	20.390 mm
B	Max. forward reach	12.000 mm
C	Min. swing radius of arm end pin (max. height)	4.010 mm
D	Tail swing radius	3.820 mm
E	Height at max. reach	11.950 mm
F	Min. boom angle from ground at max. height	70º

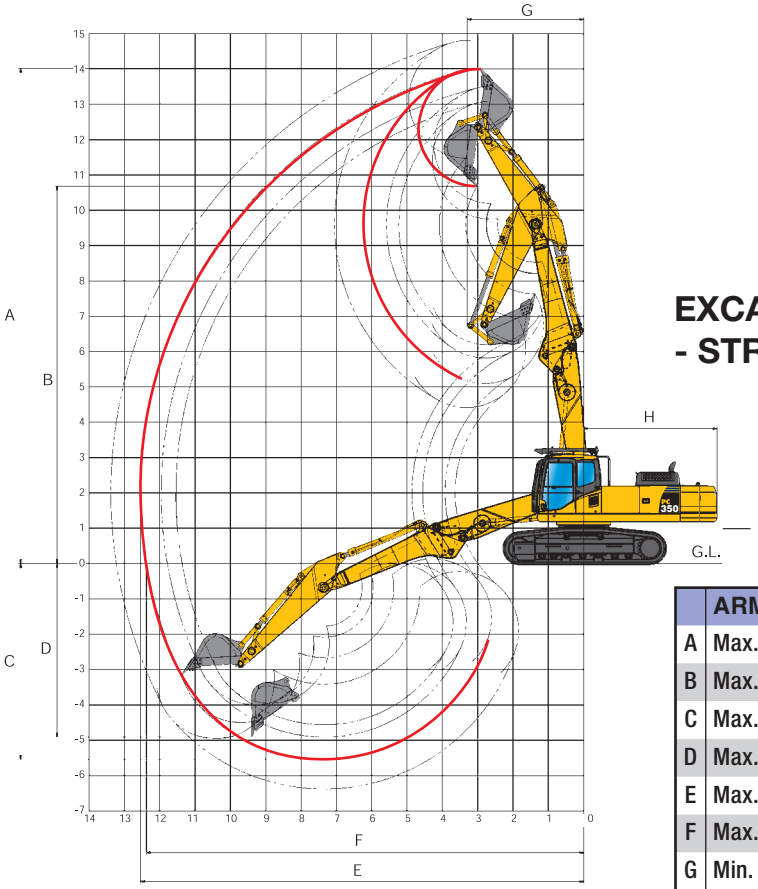
This working range is applicable through 360 degrees (depending upon fitted attachment) (for LC or HWG undercarriage). For operator and jobsite safety, Komatsu recommend that high reach demolition machines work in line with the trackframe where ever possible.

WORKING RANGE



EXCAVATION BOOM - BENT POSITION

	ARM LENGTH	2,6 m	3,2 m
A	Max. digging height	10.730 mm	10.845 mm
B	Max. dumping height	7.665 mm	7.810 mm
C	Max. digging depth	6.485 mm	7.120 mm
D	Max. vertical wall digging depth	5.675 mm	6.075 mm
E	Max. digging reach	10.925 mm	11.425 mm
F	Max. digging reach at ground level	10.735 mm	11.245 mm
G	Min. swing radius (bucket loaded)	4.095 mm	3.970 mm
H	Tail swing radius	3.820 mm	3.820 mm

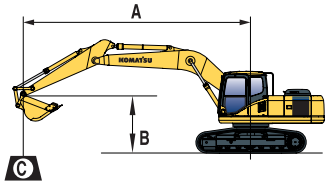


EXCAVATION BOOM - STRAIGHT POSITION

	ARM LENGTH	2,6 m	3,2 m
A	Max. digging height	13.520 mm	14.020 mm
B	Max. dumping height	10.180 mm	10.680 mm
C	Max. digging depth	4.915 mm	5.550 mm
D	Max. vertical wall digging depth	4.295 mm	4.910 mm
E	Max. digging reach	11.955 mm	12.540 mm
F	Max. digging reach at ground level	11.780 mm	12.375 mm
G	Min. swing radius (bucket loaded)	3.265 mm	3.295 mm
H	Tail swing radius	3.820 mm	3.820 mm

LIFTING CAPACITY

PC350LC-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	A / B		9,0 m		7,5 m		6,0 m		4,5 m		3,0 m	
2,6 m, 1.014 kg 1,38 m³	9,0 m	kg	7150 *	7150 *								
	7,5 m	kg	6800 *	6400			8900 *	7150				
	6,0 m	kg	6750 *	5150			10250 *	7000	11700 *	10350		
	4,5 m	kg	6950 *	4450	7650	4800	10500	6700	13200 *	9600	17400 *	15000
	3,0 m	kg	6600	4050	7450	4600	10050	6250	14300	8750	17200 *	13050
	1,5 m	kg	6400	3900	7250	4400	9600	5850	13550	8050	11450 *	11450 *
	0,0 m	kg	6500	3900	7050	4250	9300	5600	13050	7650	14200 *	11550
	-1,5 m	kg	6950	4150	7000	4150	9150	5450	12850	7500	18050 *	11550	10450 *	10450 *
	-3,0 m	kg	8000	4800			9150	5450	12900	7550	15950 *	11750	15950 *	15950 *
	-4,5 m	kg							11300 *	7800	14100 *	12150		
3,2 m, 1.014 kg 1,38 m³	9,0 m	kg	4950 *	4950 *								
	7,5 m	kg	4750 *	4750 *			7700 *	7350				
	6,0 m	kg	4750 *	4600	6400	5000	9500 *	7150				
	4,5 m	kg	4900 *	4000	7700	4850	10300 *	6750	12200 *	9850	15750 *	15750	24300 *	24300 *
	3,0 m	kg	5200 *	3650	7450	4600	10150	6300	13900 *	9000	17350 *	13800		
	1,5 m	kg	5750 *	3500	7200	4350	9650	5900	13700	8200	17400 *	12300		
	0,0 m	kg	5900	3500	7000	4150	9250	5550	13100	7650	16300 *	10450		
	-1,5 m	kg	6250	3650	6850	4050	9050	5350	12800	7400	17750 *	10250	10600 *	10600 *
	-3,0 m	kg												
	-4,5 m	kg												

EXCAVATION BOOM - STRAIGHT POSITION

Arm length	A / B		10,5 m		9,0 m		7,5 m		6,0 m		4,5 m	
2,6 m, 1.014 kg 1,38 m³	9,0 m	kg	7650 *	5650					10350 *	6800	10750 *	10300	9850 *	9850 *
	7,5 m	kg	7050 *	4400			7550	4700	10650	6800	10850 *	10100	9700 *	9700 *
	6,0 m	kg	6150	3700			7500	4650	10350	6500	13900 *	9500	16750 *	15200
	4,5 m	kg	5550	3300			7300	4500	9900	6100	14200	8650		
	3,0 m	kg	5300	3100	5500	3250	7100	4250	9450	5700	13300	7850		
	1,5 m	kg	5200	3050	5400	3150	6900	4100	9050	5350	12650	7300		
	0,0 m	kg	5350	3100	5400	3150	6750	3950	8850	5200	12450	7100		
	-1,5 m	kg	5650 *	3350			6750	3950	8800	5150	12050 *	7100		
	-3,0 m	kg					5650 *	4050	7850 *	5250	9150 *	7300		
	-4,5 m	kg												
3,2 m, 1.014 kg 1,38 m³	9,0 m	kg	5250 *	4750					8300 *	6950	8200 *	8200 *	7300 *	7300 *
	7,5 m	kg	4900 *	3800			7650	4800	8700 *	6900	8300 *	8300 *	9950 *	9950 *
	6,0 m	kg	4750 *	3200	5600	3350	7550	4700	9950 *	6600	10100 *	9700		
	4,5 m	kg	4700 *	2900	5550	3300	7350	4500	10000	6200	14500	8900		
	3,0 m	kg	4750	2700	5450	3200	7050	4250	9500	5750	13550	8050		
	1,5 m	kg	4650	2650	5300	3050	6850	4000	9050	5350	12800	7400		
	0,0 m	kg	4750	2700	5250	3000	6650	3850	8800	5100	12400	7050		
	-1,5 m	kg	5050	2900	5250	3000	6600	3800	8650	5000	12300	6950	9100 *	9100 *
	-3,0 m	kg					6650	3850	8700	5050	10500 *	7050		
	-4,5 m	kg												

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

- Komatsu SAA6D114E-3, 184 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 (EMMS) and efficiency guidance
- 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 demolition counterweight
- 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
- 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

- LC, NLC 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, 2,6 m or 3,2 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 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)
- Demolition second boom
  Includes demolition extension boom (2,7 m) fitted with hydraulic pipework, with quick connectors, suitable for operation of high reach demolition work equipment and operation of rotating crusher attachment
- 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 installed. Removable for excavation operations. Included with any high reach boom equipment
- Full length track roller guards (not HWG)
- Service points
- Bio-oil
- Customised paint
- Komatsu buckets

Call the experts

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