

KOMATSU®

PC340LCD-7 PC340NLCD-7

NET HORSEPOWER
180 kW 242 HP @ 1.900 rpm

OPERATING WEIGHT
PC340LCD: 33.500 - 44.798 kg
PC340NLCD: 33.400 - 44.318 kg

ATTACHMENT TOOL WEIGHT
2.400 kg

PC
340

DEMOLITION



PC340LCD / NLCD-7

WALK-AROUND

The new High Reach Demolition PC340LCD and NLCD Dash 7 machines have been designed with maximum machine deployment in mind. These machines retain all of the benefits of the Dash 7 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.

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.

Undercarriage

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

Operator cab

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



NET HORSEPOWER

180 kW 242 HP @ 1.900 rpm

MAXIMUM HEIGHT

20.520 mm

OPERATING WEIGHT

PC340LCD: 33.500 - 44.798 kg

PC340NLCD: 33.400 - 44.318 kg

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 PC340-7 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.

Easy maintenance

The service intervals for the Dash 7 series of machines are extended, and service locations are easy to reach, maximising the machine's availability for work. Of course, the machines are supported by the network of Komatsu service centres and distributors as well.

Confidence

The PC340-7 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 new PC340LCD-7 inner cab volume is 14% greater than the Dash 6, offering an exceptionally comfortable operating environment. The large cab enables the seat, with headrest, to be reclined to horizontal.

Pressurised cab

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

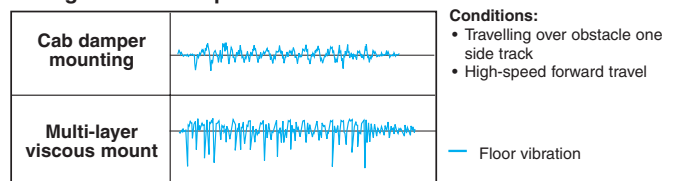
Low-noise design

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

Cab damper mounting for low vibration levels

PC340LCD-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).

Riding comfort comparison



Vertical pitch oscillation on the graph shows the intensity of vibration

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

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

Narrow, Long Carriage (NLC), or Long Carriage (LC) is available. Both carriages give stable platform for work at high reach. Narrow undercarriage, with 600 mm track shoes means machine transport width below 3,0 m (revolving frame side guards 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 PC340-7 is equipped with three working modes: (A, 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.

The diagram shows the EMMS interface on a handheld device. The top half is a color LCD screen displaying various gauges and warnings. The bottom half is a physical control panel with several buttons. Green callouts (1-14) point to specific elements on the screen, and red callouts (1-15) point to specific buttons on the control panel.

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 'Active' 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)

Active 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
A	Active 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%

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	4,5 km/h	3,2 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, A 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.



Fine tune hydraulic flow adjustment screen in A (active) or E (economy) mode



Password screen

WORK EQUIPMENT



High Reach Demolition

- Maximum vertical pin height is 20,5 m
- Maximum forward pin reach is 11 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 17,9 m
- Maximum forward pin reach is 11 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 14 m
- Maximum forward reach (bucket teeth) is 12,5 m

CURVED

- 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

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 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.



Banked quick connection system

By operating one single lever, a total of six hydraulic connectors can be joined or separated at the same time. This feature helps ensure that the time spent on removing hydraulic connections is minimised.

Quick connectors for main 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.



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.



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.

Controls governing the configuration of the machine (tilting cab, stability warning buzzer cancel, work equipment identification switch) are located in a panel at the front of the operator cab. These controls are used to set up the machine ready for the day's work.

Large side window

The large, single piece side window gives excellent vision of the boom angle indicator and clear vision of the work site, making the safe operation of the machine easier.



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:



PC340 demolition machine, carrying test instrumentation.



PC340 demolition machine, digging boom installed, with simultaneous twist and bend loading.



PC340 demolition machine, twisting load applied to new demolition first boom.

SPECIFICATIONS



ENGINE

Model Komatsu SAA6D114E-2
 Type Direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
 Rated capacity 180 kW/242 HP (ISO 9249 Net) at engine speed 1.900 rpm
 No. of cylinders 6
 Bore x stroke 114 x 135 mm
 Displacement 8,27 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 Depending on the specification up to 2 additional circuits can be installed
 Main pump 2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
 Maximum pump flow 2 x 268 ltr/min
 Relief valve settings
 Implement 380 kg/cm²
 Travel 380 kg/cm²
 Swing 285 kg/cm²
 Pilot circuit 33 kg/cm²



ENVIRONMENT

Engine emissions Fully complies with EC Stage II exhaust emission regulations
 Noise levels
 LwA external 106 dB(A) (2000/14/EC)
 LpA operator ear 75 dB(A) (2000/14/EC)



OPERATING WEIGHT (APPR.)

Operating weight, including high reach demolition equipment, medium reach demolition equipment and digging equipment / 3,2 m arm. High reach and medium reach includes attachment weight of 2.500 kg. Digging equipment includes 971 kg bucket. All include operator, lubricant, coolant, full fuel tank.



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



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
 Gradeability 70%, 35°
 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

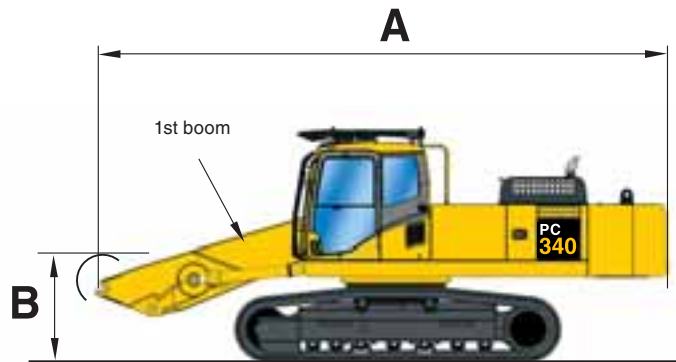
Construction X-frame centre section with box section track-frames
 Track assembly
 Type Fully sealed
 Shoes (each side) 48
 Tension Combined spring and hydraulic unit
 Rollers
 Track rollers (each side) 8
 Carrier rollers (each side) 2



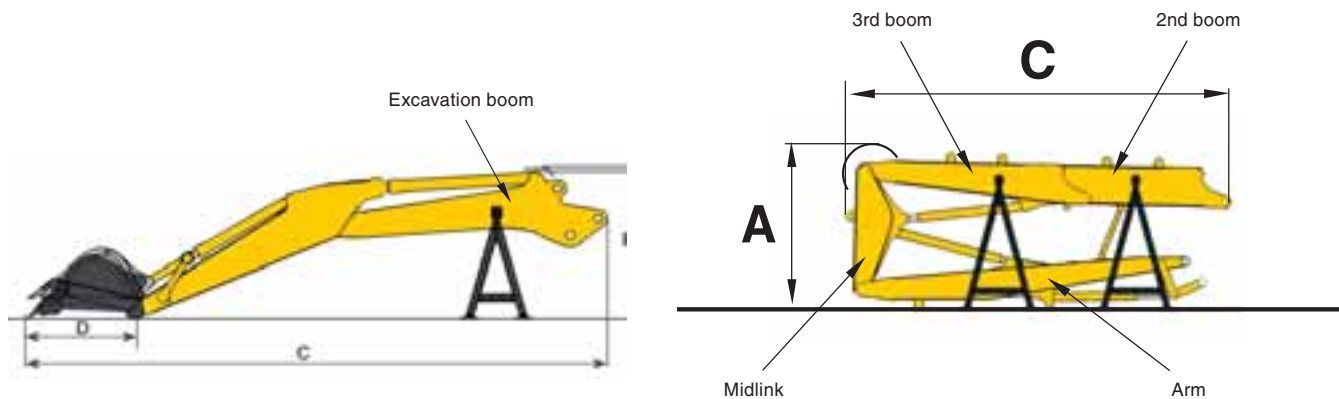
COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank 605 ltr
 Radiator 32 ltr
 Engine oil 35 ltr
 Swing drive 13,4 ltr
 Hydraulic tank 188 ltr
 Final drive (each side) 8,5 ltr

	HIGH REACH				MEDIUM REACH				DIGGING BOOM			
	PC340LCD-7		PC340NLCD-7		PC340LCD-7		PC340NLCD-7		PC340LCD-7		PC340NLCD-7	
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	44.418 kg	0,85 kg/cm ²	44.318 kg	0,85 kg/cm ²	43.058 kg	0,82 kg/cm ²	42.958 kg	0,82 kg/cm ²	33.500 kg	0,64 kg/cm ²	33.400 kg	0,64 kg/cm ²
700 mm	44.798 kg	0,73 kg/cm ²	-	-	43.438 kg	0,71 kg/cm ²	-	-	33.880 kg	0,55 kg/cm ²	-	-

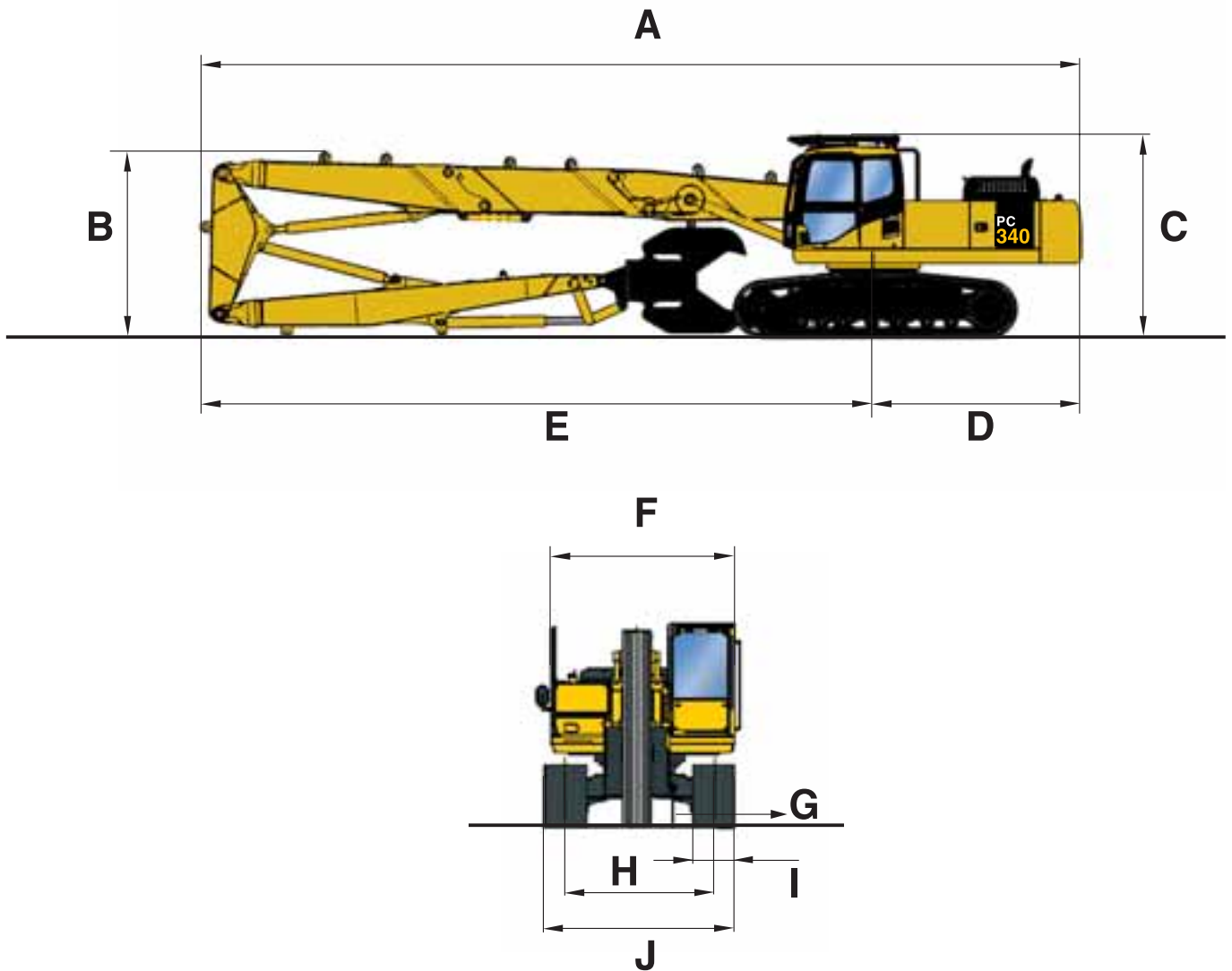


A	Transport length	8.060 mm
B	Max. boom height (incl. hydraulic lines)	1.500 mm
	Transport weight	33.400 kg



	EQUIPMENT	EXCAVATION BOOM WITH ARM: 3,2 m	HIGH REACH
A	Total height (incl. hydraulic lines)	2.500 mm	3.265 mm
B	Height	2.420 mm	-
C	Length	8.900 mm	7.470 mm
D	Tip radius	1.675 mm	-
	Support weight	286 kg	720 kg
	2nd boom weight	2.240 kg	1.360 kg
	3rd boom weight	-	1.780 kg
	Mid link weight	-	1.220 kg
	Arm weight	1.345 kg	2.560 kg
	Bucket weight	1.014 kg	-
	Total weight (incl cylinders, links and hydraulic lines)	5.960 kg	9.160 kg

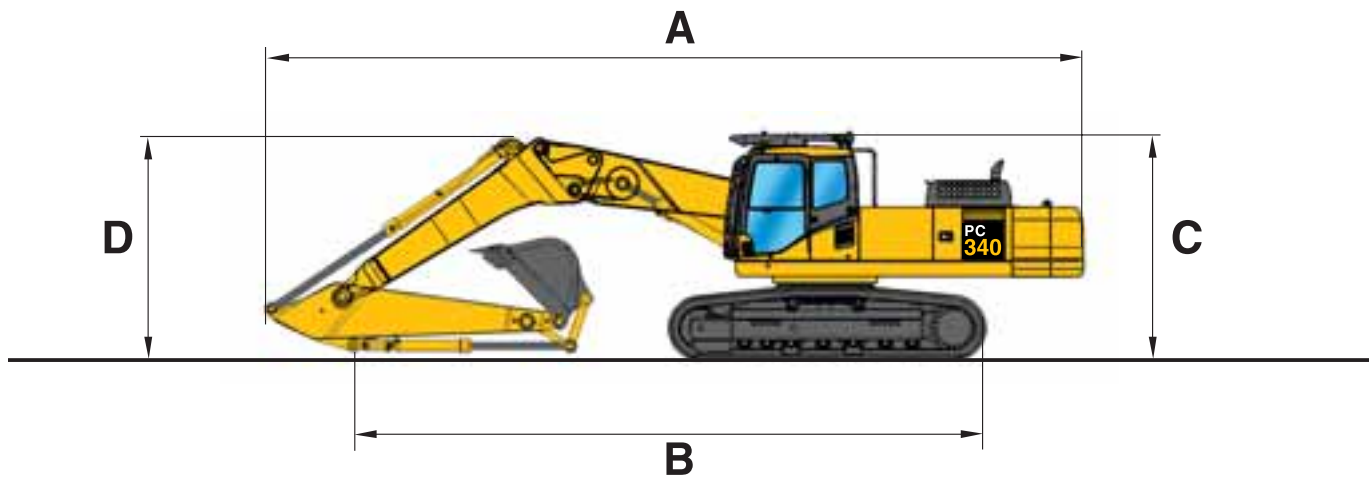
TRANSPORT DIMENSIONS



	MODEL	PC340LCD	PC340NLCD
A	Transport length	14.785 mm	14.785 mm
B	Max boom height	3.150 mm	3.150 mm
C	Overall cab height, incl. OPG	3.305 mm	3.305 mm
D	Tail length	3.775 mm	3.775 mm
E	Centre to front length	11.010 mm	11.010 mm
F	Overall width of upper structure*	2.995 mm	2.995 mm
G	Ground clearance	498 mm	498 mm
H	Track gauge	2.590 mm	2.390 mm
I	Track shoe width	600, 700, 800, 850 mm	600, 700, 800, 850 mm
J	Overall track width with 600 mm shoes	3.190 mm	2.990 mm
	Overall track width with 700 mm shoes	3.290 mm	3.090 mm
	Overall track width with 800 mm shoes	3.390 mm	3.190 mm
	Overall track width with 850 mm shoes	3.440 mm	3.240 mm
	Weight (complete machine) with		
	fixed cab, 600 mm shoes	41.600 kg	41.500 kg
	tilting cab, 600 mm shoes	41.700 kg	41.600 kg

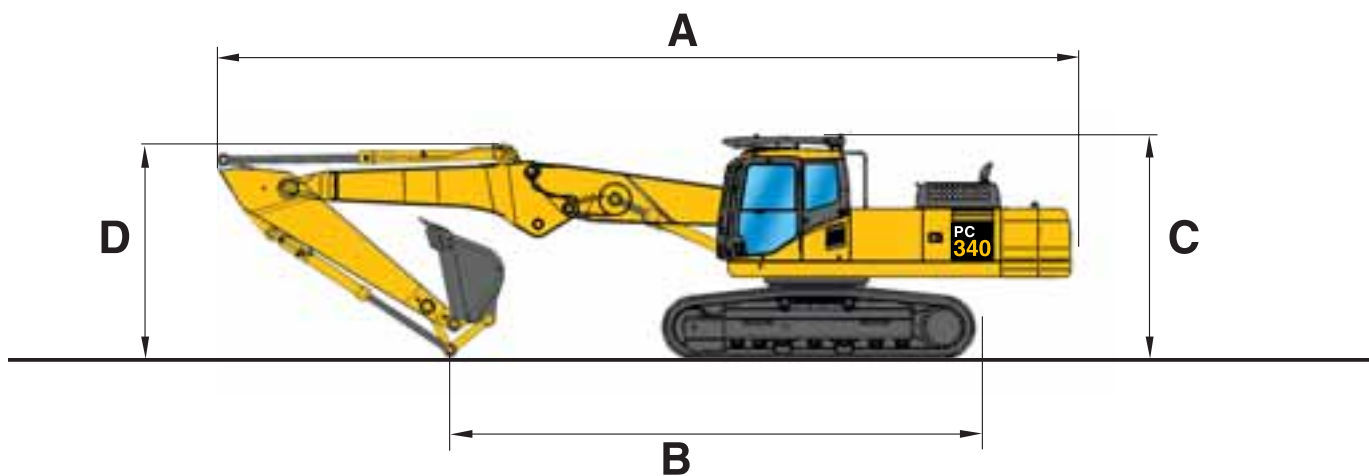
* not including side protectors (bolt on)

DIG BOOM BENT POSITION



	ARM LENGTH	3,2 m
A	Overall transport length	11.955 mm
B	Transport length	9.220 mm
C	Transport height (Top of cab with FOPS)	3.305 mm
	Transport height (Top of cab without FOPS)	3.085 mm
D	Transport height (Top of boom)	3.225 mm
	Transport weight	37.900 kg

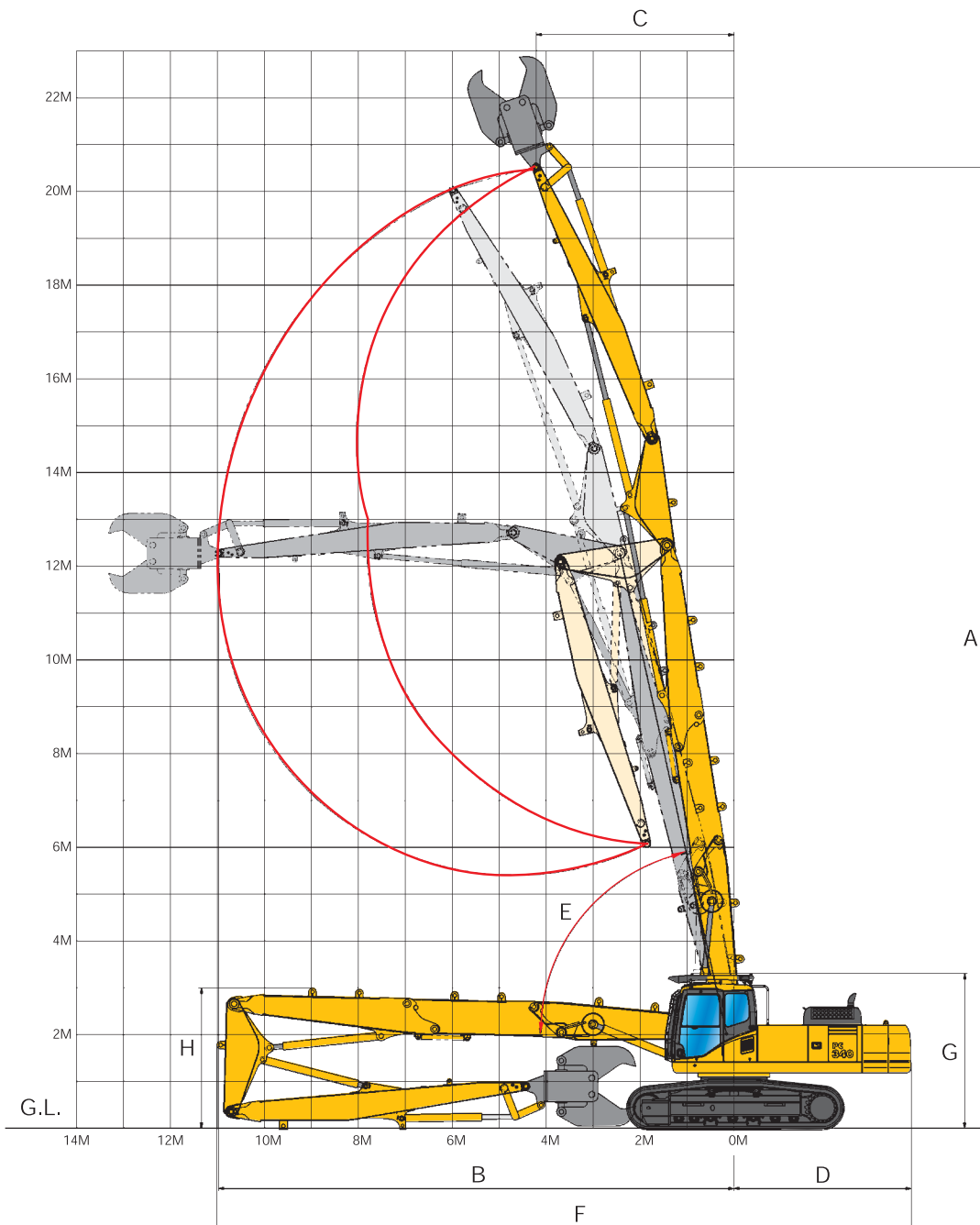
DIG BOOM STRAIGHT POSITION



	ARM LENGTH	3,2 m
A	Overall transport length	12.670 mm
B	Transport length	7.780 mm
C	Transport height (Top of cab with FOPS)	3.305 mm
	Transport height (Top of cab without FOPS)	3.085 mm
D	Transport height (Top of boom)	3.165 mm
	Transport weight	37.900 kg

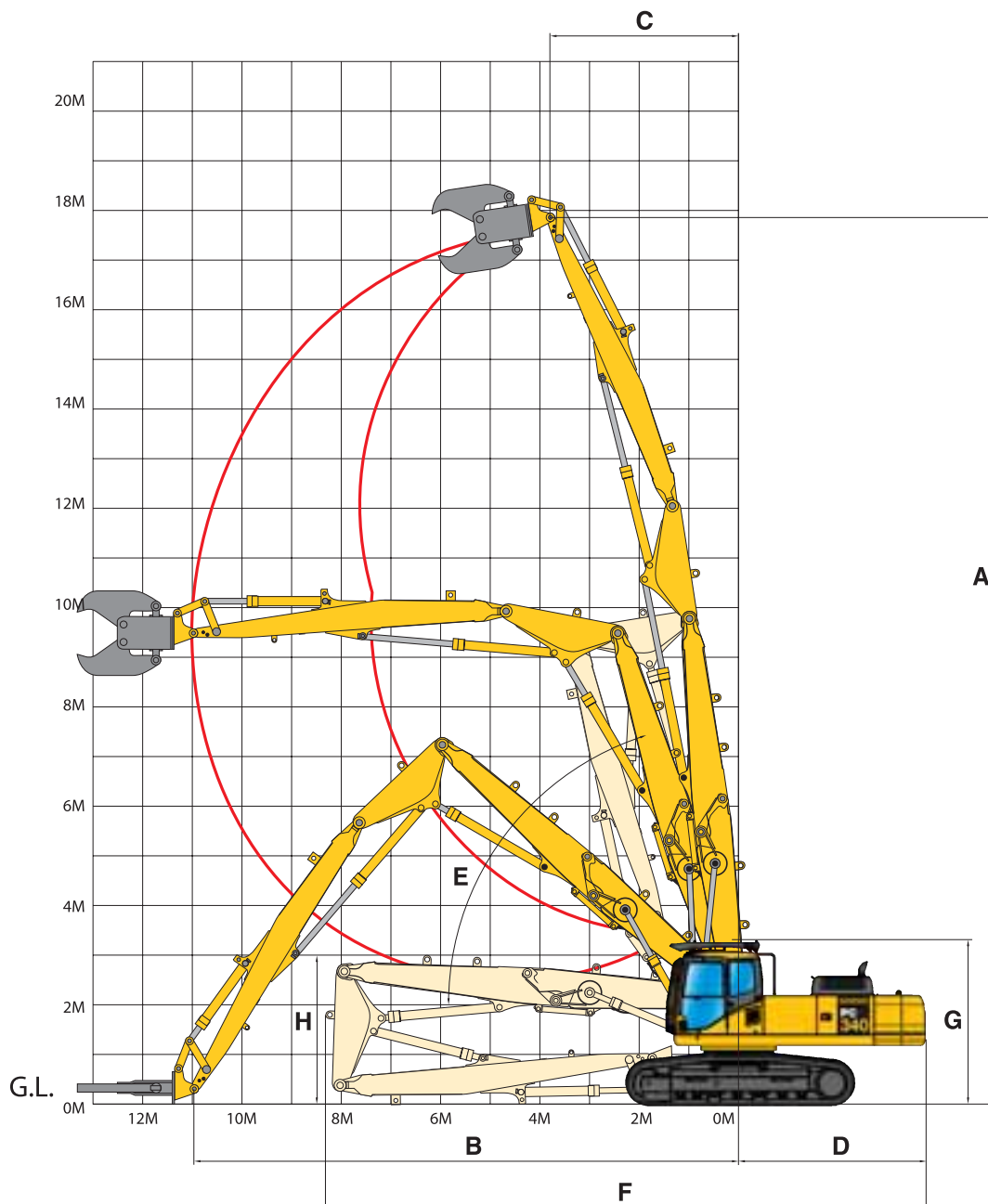
WORKING RANGE

HIGH REACH DEMOLITION



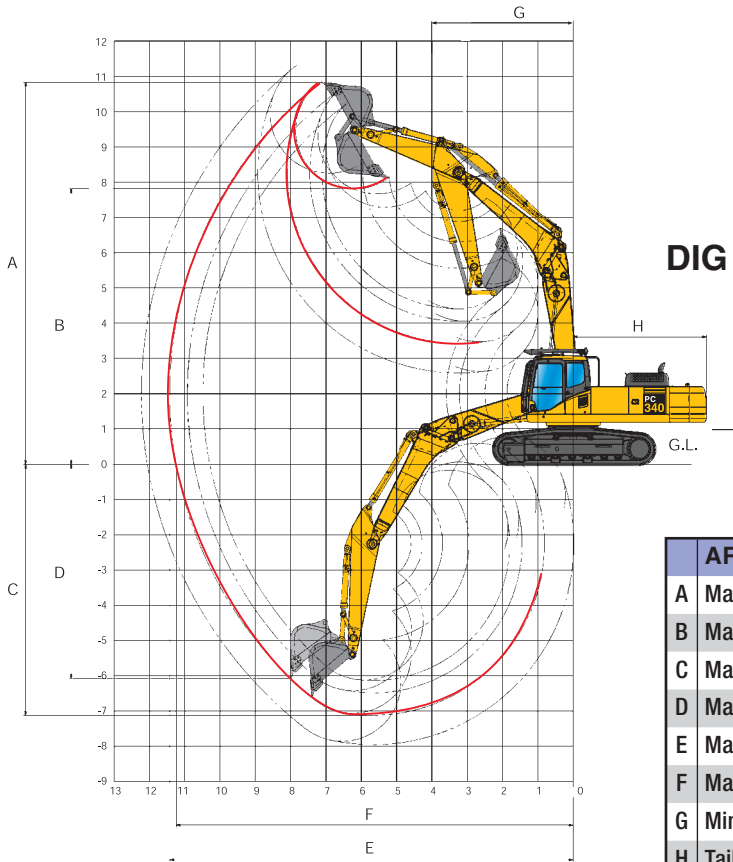
HIGH REACH CONFIGURATION		
A	Maximum working height	20.520 mm
B	Forward-limit working range	10.975 mm
C	Top pin reach at max. height	4.210 mm
D	Tail length	3.775 mm
E	Minimum boom angle	77°
F	Overall length at transport	14.785 mm
G	Overall height at transport	3.305 mm
H	Max. boom height at transport	3.150 mm
	Transport weight	41.600 kg

MEDIUM REACH DEMOLITION



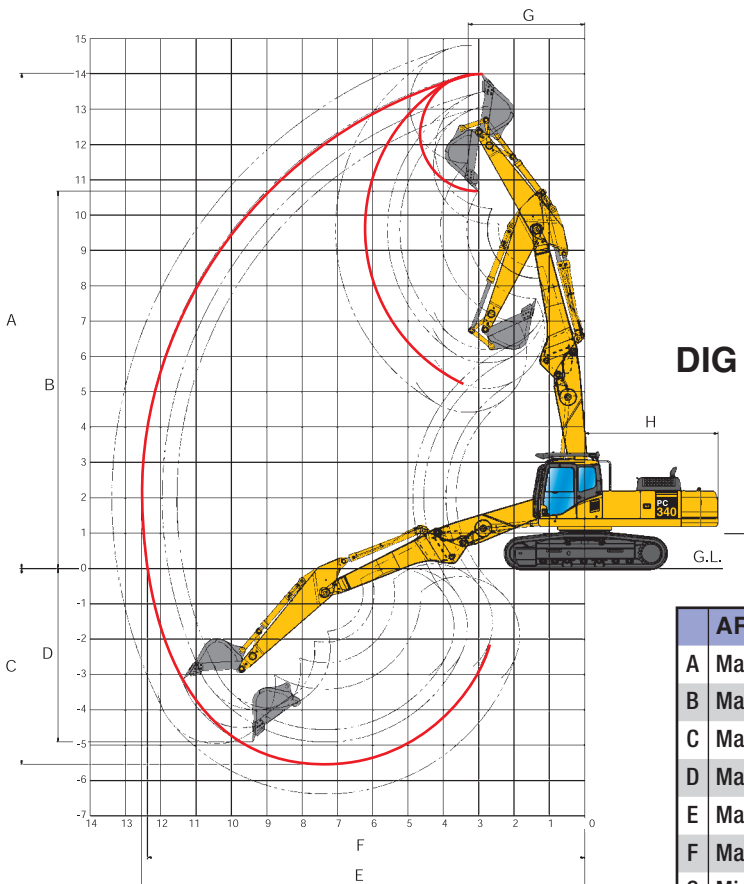
MEDIUM REACH CONFIGURATION		
A	Maximum working height	17.855 mm
B	Forward-limit working range	10.975 mm
C	Top pin reach at max. height	3.795 mm
D	Tail length	3.775 mm
E	Minimum boom angle	73°
F	Overall length at transport	12.090 mm
G	Overall height at transport	3.305 mm
H	Max. boom height at transport	3.000 mm
	Transport weight	40.240 kg

WORKING RANGE



DIG BOOM BENT POSITION

ARM LENGTH		3,2 m
A	Max. digging height	10.845 mm
B	Max. dumping height	7.810 mm
C	Max. digging depth	7.120 mm
D	Max. vertical wall digging depth	6.075 mm
E	Max. digging reach	11.425 mm
F	Max. digging reach at ground level	11.245 mm
G	Min. swing radius (bucket loaded)	3.970 mm
H	Tail swing radius	3.775 mm

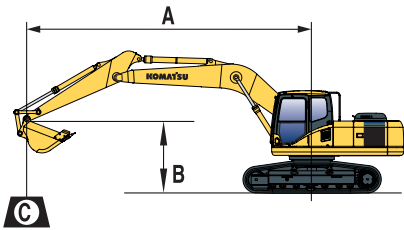


DIG BOOM STRAIGHT POSITION

ARM LENGTH		3,2 m
A	Max. digging height	14.020 mm
B	Max. dumping height	10.680 mm
C	Max. digging depth	5.550 mm
D	Max. vertical wall digging depth	4.910 mm
E	Max. digging reach	12.540 mm
F	Max. digging reach at ground level	12.375 mm
G	Min. swing radius (bucket loaded)	3.295 mm
H	Tail swing radius	3.775 mm

LIFTING CAPACITY

PC340LCD-7



A – Reach from swing center

B – Bucket hook height

– Rating over front

– Rating over side

– Rating at maximum reach

Lifting capacity data with 700 mm trackshoes, 1.014 kg bucket

DIG BOOM BENT POSITION

Arm length	A \ B			9,0 m		7,5 m		6,0 m		4,5 m		3,0 m	

With 700 mm shoe 	6 m	kg	*4.900	4.050	*6.250	4.450	*6.900	6.450						
	4.5 m	kg	*5.050	3.500	*6.450	4.300	*7.450	6.050	*8.950	8.900	*11.700	*11.700	*18.250	*18.250
	3 m	kg	*5.400	3.150	6.750	4.050	*8.050	5.600	*10.100	8.050	*14.150	12.400		
	1.5 m	kg	5.250	3.000	6.500	3.800	*8.550	5.150	*11.050	7.250	*15.600	10.900		
	0 m	kg	5.300	3.000	6.300	3.600	6.150	3.450	8.400	4.850	*11.450	6.750	*15.750	10.200
	-1.5 m	kg	5.600	3.150	6.150	3.450	8.150	4.650	*11.250	6.450	*15.000	10.000	*10.950	*10.950
	-3 m	kg	6.300	3.550			*10.400	6.400	*13.550	10.100	*16.150	*16.150		
	-4.5 m	kg	*6.150	4.450			*6.550	4.700	*8.750	6.550	*11.200	10.400	*14.000	*14.000

DIG BOOM STRAIGHT POSITION

Arm length	A \ B			10,5 m		9,0 m		7,5 m		6,0 m		4,5 m	

With 700 mm shoe 	7.5 m	kg	*5.050	2.900			6.850	3.750	*8.000	5.600	*8.550	8.500	*7.550	*7.550
	6 m	kg	4.800	2.400	4.950	2.500	6.750	3.650	*8.300	5.300	*10.200	7.950	*10.250	*10.250
	4.5 m	kg	4.350	2.100	4.900	2.450	6.550	3.450	*8.600	4.900	*10.950	7.150		
	3 m	kg	4.150	1.950	4.750	2.350	6.250	3.200	8.450	4.450	*11.400	6.300		
	1.5 m	kg	4.050	1.900	4.650	2.250	6.000	3.000	8.050	4.050	*11.300	5.650		
	0 m	kg	*4.150	1.900	4.600	2.150	5.850	2.850	7.750	3.800	*10.500	5.300		
	-1.5 m	kg	*3.500	2.100	*4.050	2.150	5.800	2.800	*7.400	3.700	*9.100	5.250	*9.400	8.300
	-3 m	kg	*2.650	2.400			*4.400	2.850	*5.850	3.750	*7.050	5.350	*7.350	*7.350

* 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.

HYDRAULIC EXCAVATOR



STANDARD EQUIPMENT

- Komatsu SAA6D114E-2 180 kW turbocharged direct injection diesel engine, complies with EC Stage II emissions
- Double element type air cleaner with dust indicator and auto dust evacuator
- Suction type cooling fan with radiator flyscreen
- Automatic fuel line de-aeration
- Engine key stop
- Alternator 24 V/60 A
- Batteries 2 × 12 V/140 Ah
- Starting motor 24 V/11 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- Pump and engine mutual control (PEMC) system
- Multi-function color monitor with equipment management monitoring system (EMMS)
- 4-working mode selection system: Active, Economy, Breaker, Lifting
- In-line filter for hydraulics
- Modified counterweight prepared for demolition counterweight
- Standard color scheme and decals
- PowerMax function
- Auto-deceleration function
- Automatic engine warm-up system
- Engine overheat prevention system.
- Adjustable PPC wrist control levers with button controls for arm, boom, bucket and swing
- PPC control pedals and levers for steering and travel,
- PPC pedal for high reach demolition mid-link
- PPC pedal for attachment rotation
- 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 auto-shift and planetary gear type final drives, hydraulic travel and parking brakes
- Demolition SpaceCab™, with ISO 10262 level 2 OPG 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
- Overload warning device
- Heavy duty revolving frame with heavy duty demolition under covers and side guard protection
- Remote greasing for swing circle and pins
- Undercarriage 600 mm triple grouser shoes with sealed (dry) link assy, track roller guards
- Track frame underguards
- Parts book
- Fuel supply pump
- Toolkit
- Lockable fuel cap and covers
- Operation and maintenance manual
- Engine ignition can be password secured on request

OPTIONAL EQUIPMENT

- Tilt cab, includes special revolving frame. Tilttable cab mechanism, with control equipment, hydraulic power hoses and cab raise cylinders
- LC or NLC undercarriage
- Tracks/shoes
 - 700 mm triple grouser
 - 800 mm triple grouser (includes additional step)
 - 850 mm triple grouser (includes additional step)
- Digging arm assemblies
 - Includes bucket cylinder and piping, bucket linkage
- Other arm length on special request
- 3.200 mm standard arm, with 2 additional dual flow proportional service circuits, with drain circuit for hydraulic attachment rotation motors
- 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
- Demolition boom 2
 - Includes demolition extension boom, 2.700 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 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 for digging operations. Must be ordered with any high reach boom equipment
- Others
 - Heated air-suspension seat
 - Full length track roller guards
 - Radio-cassette
 - Service points
 - Bio-degradable hydraulic oil



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