**Hydraulic Excavator**

**NET HORSEPOWER**
180kW / 242HP / 245PS

**OPERATING WEIGHT**
PC340LC-7: 32,960-33,910 kg
PC340NLC-7: 32,860-33,810 kg

**BUCKET CAPACITY**
0,60 m³ – 2,40 m³
The PC340-7 is a rugged, productive, all-European machine. Designed and expressly built for European markets, it delivers productivity, reliability and operator comfort in a robust, environmentally-friendly package. Komatsu’s exclusive, on-board, HydrauMind system assists in all operations, providing enhanced machine performance that’s always perfectly matched to the task.

**What’s new on Dash 7:**
- Higher production
- Low fuel consumption
- Easier maintenance and serviceability
- Improved operator comfort
- Lower noise
- Meets stage II emission regulations
- Multi-function colour monitor
- Advanced attachment control

**High productivity and low fuel consumption**
Productivity has increased with greater output in the ‘Active’ mode, while fuel efficiency has been further improved.

**Advanced Attachment Control**
The PC340-7 can be individually specified to handle a wide variety of attachments. The advanced attachment control system features:
- Operator selectable hydraulic flow control
- Adjustable pre-sets for rapid attachment changeover
- Additional filters and accumulators for attachment and machine protection
- Hydraulic relief pressure control
- Automatic changeover valves
- Attachment piping options

**Excellent reliability and durability**
- Heavy duty work equipment
- Reliable major components designed and built by Komatsu
- Exceptionally-reliable electronic devices

**Heavy duty digging performance**
Large bore cylinders are installed to the super short and short arms to greatly increase digging forces and productivity in tough conditions. The boom and arms have increased cross section to provide superb durability.

**Higher lifting capacity**
Lateral stability has been improved and the lifting capacity has increased.
PC340-7
HYDRAULIC EXCAVATOR

NET HORSEPOWER
180kW / 242HP / 245PS

OPERATING WEIGHT
PC340LC-7: 32.960-33.910 kg
PC340NLC-7: 32.860-33.810 kg

UCKET CAPACITY
0.60 m³ – 2.40 m³

Easy maintenance
• Extended replacement intervals for engine oil, engine oil filter and hydraulic filter.
• Remote-mounted engine oil filter and fuel drain valve, for easy access.
• Fitted as standard water separator.
• Easy clean radiator.
• Increased fuel tank capacity.
• SCSH (Steel Copper Sinter Hard material) bushings on work equipment extend the lubricating interval from 100 hours up to 500 hours.

In harmony with the environment
• The powerful turbocharged and air to air after-cooled Komatsu SAA6D114E-2 provides 180kW / 242 HP. This engine meets stage II emissions standards without sacrificing power or machine productivity.
• Economy mode for reduced fuel consumption.
• Low operating noise.
• Designed for easy end of life recycling.

SpaceCab™
The new PC340-7’s cab space has been increased by 14%, offering an exceptionally-roomy operating environment.
• Sealed and pressurised cab with standard air conditioning fitted as standard.
• Low-noise design.
• Low-vibration design with damper mounted cab.
• OPG Level I (ISO) compliant cab.
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 modes of operation
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 to the operational requirement. This provides the flexibility to match equipment performance to the job at hand.

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

Push-button controls
1. ‘Active’ mode
2. ‘Economy’ mode
3. ‘Lifting’ mode
4. ‘Breaker’ mode
5. Travel speed selector switch
6. Auto Deceleration
7. Window wiper
8. Window washer
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 ‘Power Max’ function to temporarily increase digging force by 7% for added power in tough situations.

**Economy mode**

The environmentally-friendly mode. Run more quietly during operations at night and/or in urban areas. Fuel consumption is reduced by 20% and NOx emissions are also reduced (when compared with ‘Active’ mode), and production is equal to the PC340-6’s ‘HO’ mode.

**Breaker mode**

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

**Lifting mode**

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

### Working Mode Table

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Active mode</td>
<td>• Maximum production/power&lt;br&gt;• Fast cycle times</td>
</tr>
<tr>
<td>E</td>
<td>Economy mode</td>
<td>• Excellent fuel economy</td>
</tr>
<tr>
<td>B</td>
<td>Breaker mode</td>
<td>• Optimum engine rpm and hydraulic flow</td>
</tr>
<tr>
<td>L</td>
<td>Lifting mode</td>
<td>• Hydraulic pressure is increased by 7%</td>
</tr>
</tbody>
</table>

**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 all lighting conditions, including bright sunlight.

**Automatic three-speed travel**

Travel speed automatically shifts from high to low speed, according to the ground conditions.

<table>
<thead>
<tr>
<th>Travel Speed</th>
<th>High KM/h</th>
<th>Mid KM/h</th>
<th>Low KM/h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.5</td>
<td>4.5</td>
<td>3.2</td>
</tr>
</tbody>
</table>

**Fingertip hydraulic pump oil flow adjustment**

From the LCD monitor, automatically select 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 smooth movement of the work equipment.

**Password protection**

Prevent unauthorized 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 engine need the password. The password can be activated upon request.
PC340-7’s cab interior is spacious and provides a comfortable working environment...

**SpaceCab™**

**Comfortable cab**

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

**Pressurised cab**

Fitted as standard, the air conditioner, air filter and a higher internal air pressure minimises 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**

PC340-7 is fitted with 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 heavy duty left and right-side decks, aids the reduction of vibrations to the operator’s seat. Vibrations at the floor level are reduced from 120 dB (VL) to 115 dB (VL).

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

**Comparison of Riding Comfort**

- Cab Damper Mounting
- Multi-Layer Viscous Mount

*Vertical pitch direction on graph shows intensity of vibration.*

- Roof hatch
- 12-volt power supply and (optional) radio cassette
- Climate control
- Bottle holder and magazine rack
**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.

**Defroster/demister**

**Seat sliding range:**
340 mm - increased by 120 mm over dash 6

**Safety Features**

**Improved, wide visibility**
The new design SpaceCab has no right side window pillar and the rear pillar reshaped to provide greater visibility. Blind spots have been decreased by 34% over dash 6 design.

**Pump/engine room partition**
Prevents hydraulic oil from spraying onto the engine to reduce the risk of fire.

**Thermal and fan guards**
Placed around high-temperature parts of the engine. The fan belt and pulleys are well protected.

**Steps with non-skid surface and large handrail**
Steps with non-slip surfacing ensure safer maintenance.

**Hot & cool box**

**3 button lever**

**Thermal guard**

**Non slip sheet**

**Large handrail for safe access**
High production levels and low fuel consumption
The increased output and fuel savings of the Komatsu SAA6D114E-2 engine result in increased productivity. (tonne per litre of fuel)

Engine
The PC340-7 gets its exceptional power and work capacity from a Komatsu SAA6D114E-2 engine. Output is 180 kW / 242 HP, providing increased hydraulic power and improved fuel efficiency.

Hydraulics
The unique two-pump system ensures smooth, simultaneous movement of the work equipment. Komatsu’s exclusive HydrauMind system controls both of the pumps for most-efficient use of engine power. The system also reduces hydraulic loss during operations. Additional hydraulic circuits may be ordered.

Larger drawbar pull
PC340-7’s maximum drawbar pull has been increased by 17% over -6, providing superb steering and slope climbing capability.
Maximum drawbar pull: 26.900kg

Increased arm crowd force and digging force for increased production.
Large bore cylinders are installed to the super short and short arms to greatly increase digging forces and productivity in tough conditions. Arm crowd force is increased 17% and bucket digging force is increased 22% when the Power Max function is applied. (Compared to PC340-6)

Bucket digging force*: 227 kN 23.100 kg
Arm crowd force*: 171 kN 17.400 kg

* Measured with Power Max function, 3.190mm arm and ISO rating

The boom and arms are heavy duty design to provide superb durability.

Two-mode boom control
Smooth mode provides easy operation for gathering blasted rock or scraping down operations. When maximum digging force is needed, switch to Power mode for more effective excavating.

Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.

Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.
Excellent reliability and durability

Reliable components
All of the major machine components, such as engine, hydraulic pump, hydraulic motor and control valves, are designed and manufactured by Komatsu. This guarantees that each component is expressly built for the class and model of machine. This ensures that the engineering, manufacturing standards and testing that go into each component are ‘totally-Komatsu’.

Highly-rigid, robust work equipment
The strengthened boom and arm have large cross-sectional dimensions as well as continuous two-sided groove welding, improving the digging and side-contact strengths.

Sturdy frame structure
The revolving frame, centre frame and undercarriage have been designed using the most advanced three-dimensional computer aided design (CAD) and FEM (Finite Elements Modelling) analysis technology.

Highly-reliable electronic devices
Exclusively-designed electronic devices are certified by severe testing.
- Controller
- Sensors
- Connectors
- Heat-resistant wiring

Metal guard rings
Protect all hydraulic cylinders and improve reliability.

Harmony with the environment

Low-emission engine
Komatsu SAA6D114E-2 is stage II compliant, with 30% reduced NOx emissions (compared to PC340-6).

Low noise
Noise is reduced from the engine as well as from swing and hydraulic operations. The dynamic noise level is just 106 Lwa and 75 Lpa

Economy (environment) mode
‘Economy’ mode meets the needs of the 21st century. This mode offers the user fuel savings, quiet operation, and less CO2 emissions.
- Fuel consumption is reduced by 20% (compared to the ‘Active’ mode).
- Economy mode production is the same as PC340-6’s ‘Heavy-Duty’ mode.

End of life recycling
PC340-7 is designed with consideration of end of life recycling, effectively reducing its environmental impact.
- All exterior parts are made of steel.
- Extended engine oil, hydraulic oil and filter replacement intervals reduce environmental impact.
- All plastic parts are given a material code symbol.
VHMS (Vehicle Health Monitoring System)

VHMS’s precise health-check system indicates all of the machine’s running conditions. At the beginning of, and during, each working shift, machine functions and abnormalities can be checked from the operator’s seat.

New features: VHMS Machine health monitoring
- Up to four different mechanical system measurements can be monitored at the same time
- A “Maintenance Indicator” function has been added. (Filter and oil replacement time display function)
- Mechanical system failures are now monitored, in addition to electrical system failures.
- Failures are indicated by a 6-digit failure code

Displays running conditions and abnormality indications
At the operator’s fingertips: the VHMS controller monitors engine oil level, cooling water level, fuel level, engine water temperature, engine oil pressure, battery charging level, air filter clogging, and more. The monitor also indicates whenever abnormalities are detected.

Maintenance alert assistance
The VHMS monitor alerts when oil and filters need to be replaced.

Operation data memory
The system memorises machine operating data such as engine output, hydraulic pressure, and more.

Trouble data memory
The monitor stores and recalls electrical system and mechanical system failures and abnormalities for effective troubleshooting. Twenty most-recent electrical system failures are stored. Mechanical system failures cannot be erased, ensuring accurate documentation of vital service management information.

VHMS ‘real time monitoring system’
The ‘real time monitoring system’ displays up to four different operating parameters simultaneously, giving the mechanic a total overview for faster troubleshooting. Parameters include operating conditions such as hydraulic oil pressure, engine RPM, different voltages, current and even temperature measurement.
Reducing maintenance costs

Extended interval for hydraulic oil and filter/engine oil and filter replacements
New, high-performance filters are used in the hydraulic circuit and engine. Replacement intervals for hydraulic oil-filter, engine oil, and engine oil filter elements are significantly extended, reducing maintenance costs.

Comparison of replacement intervals model:  

<table>
<thead>
<tr>
<th></th>
<th>PC340-7</th>
<th>PC340-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil</td>
<td>500</td>
<td>250</td>
</tr>
<tr>
<td>Engine oil filter</td>
<td>500</td>
<td>250</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Hydraulic oil filter</td>
<td>1,000</td>
<td>500</td>
</tr>
</tbody>
</table>

Fuel tank capacity increased
The fuel tank capacity has increased from 540 litres to 605 litres to extend the operating hours before refuelling. The fuel tank is treated for rust prevention for improved corrosion resistance.

With SCSH (Steel Copper Sinter Hard material) bushings, all work equipment lubrication intervals are extended to 500 hours
Newly-developed SCSH bushings are used on the bucket arm top bushing; the end faces are injected with tungsten carbide. All work equipment bushing lubrication intervals are extended from 100 hours to 500 hours, reducing maintenance costs.  
(Available for bucket pin, depending on bucket design)

Tungsten carbide-injected bushing
Tungsten carbide is injected into the end faces of the arm-top bushing to form a hard film. This reduces the wear of contacting surfaces and fluttering of the bucket.
Easy maintenance

Komatsu designed the PC340-7 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 PC340-7.

Easy radiator cleaning

Clearance between radiator and oil cooler is increased to facilitate radiator core cleaning with an air nozzle.

Water separator

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

Easy access to engine oil filter and fuel drain valve

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

Auto greasing (optional)

A factory-installed Central Lubricating System (CLS) ensures proper lubrication and saves driver maintenance downtime. Factory installation includes welding protective, heavy-duty line shielding onto the dipper arm during the manufacturing process, before painting. The Central Lubrication system use reinforced hoses to carry the lubricant to all of the lubrication points, and is governed by several distribution blocks. Lubrication cycles may be adjusted at operator’s preference.
**SPECIFICATIONS**

**ENGINE**

Type ........................................ 6 cylinder, direct injection, emissionised, turbocharged, after-cooled diesel.

Model ........................................... Komatsu SAA6D114E-2

Power rating

ISO 9249 (Net) .................. 180kW (242HP/ 245PS) at 1,900 rpm

Bore x stroke ................................. 114mm x 135mm

Piston displacement ............................ 8,27 Ltr

Air-cleaner and cooling Double element type with monitor panel dust indicator and auto dust evacuator.

Suction type cooling fan with radiator fly screen.

**HYDRAULIC SYSTEM**

Type ........................................... HydraulMind. Closed-centre system with load sensing and pressure compensation valves.

Additional circuits .......................... Depending on 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

**ELECTRICAL SYSTEM**

Alternator .................................. 24 Volt - 60 ampere

Batteries .................................. 2 x 12 Volt - 140 Ah

Starter motor ................................. 24 Volt - 11 kW

**SWING SYSTEM**

Type ........................................... Axial piston motor driving through planetary double reduction gearbox.

Swing lock .................................... Electrically actuated wet multi-disc brake integrated into swing motor.

Swing speed ........................................ 0 to 9,5 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°

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 (PC340LC, PC340NLC)

Tension ........................................ Combined spring and hydraulic unit

Rollers

Track rollers (each side) .............. 8 (PC340LC, PC340NLC)

Carrier rollers (each side) .......... 2

**COOLANT AND LUBRICANT CAPACITY (REFILLING)**

Fuel tank ........................................ 605 ltr

Radiator ....................................... 32 ltr

Engine ........................................... 35 ltr

Swing drive ................................. 13,4 ltr

Hydraulic tank ............................ 188 ltr

Final drive (each side) ............... 8,5 ltr

**ENVIRONMENT**

Engine emissions ........................ Fully complies with stage 2 exhaust emission regulations.

Noise levels .......................... LWA External noise 106dB(A) (2000/14/EC)

LPA Operator ear noise 75dB(A) (2000/14/EC)

**OPERATION WEIGHT (APPROXIMATE)**

aOperating weight, including 6,470 mm one-piece boom, 3,2 m arm, 971kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

<table>
<thead>
<tr>
<th>Triple grousers</th>
<th>PC340LC-7</th>
<th>PC340NLC-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>Ground pressure</td>
<td>Operating weight</td>
</tr>
<tr>
<td>600 mm</td>
<td>32.960 kg</td>
<td>0,63 kg/cm²</td>
</tr>
<tr>
<td>700 mm</td>
<td>33.340 kg</td>
<td>0,54 kg/cm²</td>
</tr>
<tr>
<td>800 mm</td>
<td>33.720 kg</td>
<td>0,48 kg/cm²</td>
</tr>
<tr>
<td>950 mm</td>
<td>33.910 kg</td>
<td>0,48 kg/cm²</td>
</tr>
</tbody>
</table>
### MACHINE DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>PC340LC</th>
<th>PC340NLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall width of upper structure with mirrors and handrail</td>
<td>3.397 mm</td>
</tr>
<tr>
<td>B</td>
<td>Overall width of upper structure</td>
<td>2.995 mm</td>
</tr>
<tr>
<td>C</td>
<td>Overall height of cab</td>
<td>3.130 mm</td>
</tr>
<tr>
<td>D</td>
<td>Overall length of basic machine</td>
<td>5.882 mm</td>
</tr>
<tr>
<td>E</td>
<td>Tail length</td>
<td>3.405 mm</td>
</tr>
<tr>
<td></td>
<td>Tail swing radius</td>
<td>3.450 mm</td>
</tr>
<tr>
<td>F</td>
<td>Clearance under counterweight</td>
<td>1.186 mm</td>
</tr>
<tr>
<td>G</td>
<td>Machine tail height (top of engine cover)</td>
<td>2.580 mm</td>
</tr>
<tr>
<td>H</td>
<td>Ground clearance</td>
<td>498 mm</td>
</tr>
<tr>
<td>I</td>
<td>Track length on ground</td>
<td>4.030 mm</td>
</tr>
<tr>
<td>J</td>
<td>Track length</td>
<td>4.955 mm</td>
</tr>
<tr>
<td>K</td>
<td>Track gauge</td>
<td>2.590 mm</td>
</tr>
<tr>
<td>L</td>
<td>Track shoe width</td>
<td>600, 700, 800, 850 mm</td>
</tr>
<tr>
<td>M</td>
<td>Overall track width with 600 mm shoe</td>
<td>3.190 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 700 mm shoe</td>
<td>3.290 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 800 mm shoe</td>
<td>3.390 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 850 mm shoe</td>
<td>3.440 mm</td>
</tr>
</tbody>
</table>

### Diagram

The diagram illustrates the dimensions with labels for:
- A: Overall width of upper structure with mirrors and handrail
- B: Overall width of upper structure
- C: Overall height of cab
- D: Overall length of basic machine
- E: Tail length
- F: Clearance under counterweight
- G: Machine tail height (top of engine cover)
- H: Ground clearance
- I: Track length on ground
- J: Track length
- K: Track gauge
- L: Track shoe width
- M: Overall track width with shoe sizes
- N: Transport length
- O: Length on ground (transport)
- P: Overall height (to top of boom)

### Table for Additional Dimensions

<table>
<thead>
<tr>
<th>Arm length</th>
<th>One-piece boom</th>
<th>2.2 m</th>
<th>2.5 m</th>
<th>3.2 m</th>
<th>4.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>Transport length</td>
<td>11.290 mm</td>
<td>11.180 mm</td>
<td>11.140 mm</td>
<td>11.170 mm</td>
</tr>
<tr>
<td>O</td>
<td>Length on ground (transport)</td>
<td>7.155 mm</td>
<td>6.760 mm</td>
<td>5.930 mm</td>
<td>5.475 mm</td>
</tr>
<tr>
<td>P</td>
<td>Overall height (to top of boom)</td>
<td>3.400 mm</td>
<td>3.410 mm</td>
<td>3.280 mm</td>
<td>3.760 mm</td>
</tr>
</tbody>
</table>
Specifications and equipment may vary according to regional availability
PC340LC-7 / PC340NLC-7

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

Komatsu KVX Teeth

- For heavy duty applications Komatsu offers the Komatsu KVX bolt-on tooth system
- Self sharpening, reversible teeth made of Sagitta steel (>500 Brinell)
- Longer lifetime, less downtime, better penetration and improved loading capacity lead to increased efficiency and lower total cost per loaded tonne.

Komatsu Sharp Teeth

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

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

### Bucket and Arm Combination

<table>
<thead>
<tr>
<th>Bucket capacity (heaped)</th>
<th>Width without side cutters</th>
<th>Weight without side cutters</th>
<th>Arm length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE, PCSA</td>
<td>2,2 m</td>
<td>2,5 m</td>
<td>3,19 m</td>
</tr>
<tr>
<td>0.60 m³</td>
<td>600 mm</td>
<td>684 kg</td>
<td>o</td>
</tr>
<tr>
<td>1.12 m³</td>
<td>1000 mm</td>
<td>873 kg</td>
<td>o</td>
</tr>
<tr>
<td>1.38 m³</td>
<td>1200 mm</td>
<td>977 kg</td>
<td>o</td>
</tr>
<tr>
<td>1.65 m³</td>
<td>1400 mm</td>
<td>1062 kg</td>
<td>o</td>
</tr>
<tr>
<td>1.79 m³</td>
<td>1500 mm</td>
<td>1104 kg</td>
<td>o</td>
</tr>
<tr>
<td>1.92 m³</td>
<td>1600 mm</td>
<td>1166 kg</td>
<td>o</td>
</tr>
<tr>
<td>2.12 m³</td>
<td>1750 mm</td>
<td>1230 kg</td>
<td>o</td>
</tr>
<tr>
<td>2.38 m³</td>
<td>1800 mm</td>
<td>1450 kg</td>
<td>o</td>
</tr>
</tbody>
</table>

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

### Bucket and Arm Force

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2,2 m</th>
<th>2,5 m</th>
<th>3,2 m</th>
<th>4,0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force</td>
<td>24.700 kg (242 KN)</td>
<td>24.700 kg (242 KN)</td>
<td>21.600 kg (212 KN)</td>
<td>21.600 kg (212 KN)</td>
</tr>
<tr>
<td>Bucket digging force at power max</td>
<td>26.400 kg (259 KN)</td>
<td>26.400 kg (259 KN)</td>
<td>23.100 kg (227 KN)</td>
<td>23.100 kg (227 KN)</td>
</tr>
<tr>
<td>Arm crowd force</td>
<td>22.400 kg (220 KN)</td>
<td>19.100 kg (187 KN)</td>
<td>16.300 kg (160 KN)</td>
<td>13.700 kg (134 KN)</td>
</tr>
<tr>
<td>Arm crowd force at power max</td>
<td>24.000 kg (235 KN)</td>
<td>20.500 kg (201 KN)</td>
<td>17.400 kg (171 KN)</td>
<td>14.700 kg (144 KN)</td>
</tr>
</tbody>
</table>
PC340-7 Series HYDRAULIC EXCAVATORS

WORKING RANGES PC340LC/NLC-7

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.200 mm</th>
<th>2.550 mm</th>
<th>3.190 mm</th>
<th>4.020 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Max. digging height</td>
<td>9.580 mm</td>
<td>9.965 mm</td>
<td>10.210 mm</td>
<td>10.550 mm</td>
</tr>
<tr>
<td>B Max. dumping height</td>
<td>6.595 mm</td>
<td>6.895 mm</td>
<td>7.110 mm</td>
<td>7.490 mm</td>
</tr>
<tr>
<td>C Max. digging depth</td>
<td>6.355 mm</td>
<td>6.705 mm</td>
<td>7.380 mm</td>
<td>8.180 mm</td>
</tr>
<tr>
<td>D Max. vertical wall digging depth</td>
<td>5.120 mm</td>
<td>5.880 mm</td>
<td>6.480 mm</td>
<td>7.280 mm</td>
</tr>
<tr>
<td>E Max. digging depth of cut for 2.44 m level</td>
<td>6.130 mm</td>
<td>6.520 mm</td>
<td>7.180 mm</td>
<td>8.045 mm</td>
</tr>
<tr>
<td>F Max. digging reach</td>
<td>10.155 mm</td>
<td>10.550 mm</td>
<td>11.100 mm</td>
<td>11.900 mm</td>
</tr>
<tr>
<td>G Max. digging reach at ground level</td>
<td>9.950 mm</td>
<td>10.355 mm</td>
<td>10.920 mm</td>
<td>11.730 mm</td>
</tr>
<tr>
<td>H Min. swing radius</td>
<td>4.390 mm</td>
<td>4.400 mm</td>
<td>4.310 mm</td>
<td>4.320 mm</td>
</tr>
</tbody>
</table>
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097.

Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

With 700 mm shoe:

<table>
<thead>
<tr>
<th>Arm length</th>
<th>A</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
<th>1.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>977 kg</td>
<td>1.38 m²</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m kg</td>
</tr>
<tr>
<td>4.5 m kg</td>
</tr>
<tr>
<td>3.0 m kg</td>
</tr>
<tr>
<td>1.5 m kg</td>
</tr>
<tr>
<td>0.0 m kg</td>
</tr>
<tr>
<td>-1.5 m kg</td>
</tr>
<tr>
<td>-3.0 m kg</td>
</tr>
<tr>
<td>-4.5 m kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 mm</td>
</tr>
<tr>
<td>977 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m kg</td>
</tr>
<tr>
<td>4.5 m kg</td>
</tr>
<tr>
<td>3.0 m kg</td>
</tr>
<tr>
<td>1.5 m kg</td>
</tr>
<tr>
<td>0.0 m kg</td>
</tr>
<tr>
<td>-1.5 m kg</td>
</tr>
<tr>
<td>-3.0 m kg</td>
</tr>
<tr>
<td>-4.5 m kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500 mm</td>
</tr>
<tr>
<td>977 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m kg</td>
</tr>
<tr>
<td>4.5 m kg</td>
</tr>
<tr>
<td>3.0 m kg</td>
</tr>
<tr>
<td>1.5 m kg</td>
</tr>
<tr>
<td>0.0 m kg</td>
</tr>
<tr>
<td>-1.5 m kg</td>
</tr>
<tr>
<td>-3.0 m kg</td>
</tr>
<tr>
<td>-4.5 m kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500 mm</td>
</tr>
<tr>
<td>977 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 700 mm shoe</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m kg</td>
</tr>
<tr>
<td>4.5 m kg</td>
</tr>
<tr>
<td>3.0 m kg</td>
</tr>
<tr>
<td>1.5 m kg</td>
</tr>
<tr>
<td>0.0 m kg</td>
</tr>
<tr>
<td>-1.5 m kg</td>
</tr>
<tr>
<td>-3.0 m kg</td>
</tr>
<tr>
<td>-4.5 m kg</td>
</tr>
</tbody>
</table>
PC340NLC-7
ONE-PIECE BOOM

<table>
<thead>
<tr>
<th>Arm length</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
<th>1.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>With 600 mm shoe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m kg</td>
<td>3700</td>
<td>3150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5 m kg</td>
<td>3750</td>
<td>2750</td>
<td>6950</td>
<td>5400</td>
<td></td>
</tr>
<tr>
<td>3.0 m kg</td>
<td>3850</td>
<td>2550</td>
<td>7800</td>
<td>5050</td>
<td>9400</td>
</tr>
<tr>
<td>1.5 m kg</td>
<td>4250</td>
<td>2450</td>
<td>8600</td>
<td>4700</td>
<td>10850</td>
</tr>
<tr>
<td>0.0 m kg</td>
<td>4750</td>
<td>2450</td>
<td>8250</td>
<td>4400</td>
<td>11850</td>
</tr>
<tr>
<td>-1.5 m kg</td>
<td>5100</td>
<td>2600</td>
<td>8050</td>
<td>4200</td>
<td>11500</td>
</tr>
<tr>
<td>-3.0 m kg</td>
<td>5700</td>
<td>2950</td>
<td>7950</td>
<td>4150</td>
<td>11400</td>
</tr>
<tr>
<td>-4.5 m kg</td>
<td>6650</td>
<td>3600</td>
<td>8050</td>
<td>4200</td>
<td>14300</td>
</tr>
</tbody>
</table>

| **With 600 mm shoe** |
| 6.0 m kg | 4900 | 3800 | 7150 | 5400 |
| 4.5 m kg | 5000 | 3250 | 7700 | 5200 | 8950 |
| 3.0 m kg | 5300 | 3000 | 8450 | 4900 | 10350 | 7100 | 13900 | 10900 |
| 1.5 m kg | 5450 | 2850 | 8450 | 4800 | 11600 | 6600 | 16350 | 10050 |
| 0.0 m kg | 5550 | 2900 | 8200 | 4400 | 11750 | 6200 | 17150 | 9500 | 7850 | 7850 |
| -1.5 m kg | 5950 | 3150 | 8100 | 4250 | 11500 | 6000 | 15300 | 9400 | 18500 | 18500 | 8850 | 8850 |
| -3.0 m kg | 6850 | 3600 | 8100 | 4250 | 11500 | 6000 | 15300 | 9400 | 18500 | 18500 | 13600 | 13600 |
| -4.5 m kg | 7250 | 4700 | 9500 | 6150 | 12650 | 9500 | 16750 | 9500 | 16750 | 16750 |

| **With 600 mm shoe** |
| 6.0 m kg | 6900 | 4350 | 7800 | 5350 |
| 4.5 m kg | 6700 | 3750 | 8300 | 5150 | 9800 | 7550 | 12600 | 12000 |
| 3.0 m kg | 6250 | 3400 | 8750 | 4900 | 11100 | 7000 | 15350 | 10700 |
| 1.5 m kg | 6050 | 3250 | 8600 | 4600 | 12100 | 6500 | 17150 | 9450 |
| 0.0 m kg | 6250 | 3300 | 8400 | 4450 | 11750 | 6200 | 17150 | 9450 |
| -1.5 m kg | 6750 | 3600 | 8300 | 4350 | 11600 | 6100 | 16200 | 9400 | 13350 | 13350 |
| -3.0 m kg | 7850 | 4300 | 8200 | 4450 | 10750 | 5800 | 14300 | 9600 | 18400 | 18400 |
| -4.5 m kg | 7350 | 5800 | 8250 | 4400 | 11000 | 9950 | 13650 | 13650 |

| **With 600 mm shoe** |
| 6.0 m kg | 8000 | 4900 | 8150 | 5250 | 9100 | 7850 |
| 4.5 m kg | 7350 | 4100 | 8550 | 5050 | 10150 | 7400 | 13250 | 11700 |
| 3.0 m kg | 6750 | 3700 | 8800 | 4800 | 11350 | 6850 | 15900 | 10350 |
| 1.5 m kg | 6600 | 3550 | 8550 | 4550 | 11750 | 6200 | 17150 | 9550 |
| 0.0 m kg | 6750 | 3600 | 8350 | 4350 | 11650 | 6100 | 16850 | 9300 |
| -1.5 m kg | 7400 | 3950 | 8300 | 4350 | 11550 | 6050 | 15850 | 9350 | 15300 | 15300 |
| -3.0 m kg | 8350 | 4800 | 8350 | 4350 | 10350 | 6000 | 13550 | 9600 | 16500 | 16500 |
| -4.5 m kg | 7700 | 6900 | 8850 | 8850 | 11600 | 911000 | 16000 | 16000 | 16000 | 16000 | 16000 |

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

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

With 600 mm shoe -
CRAWLER EXCAVATOR

STANDARD EQUIPMENT

- Komatsu SAA6D114E-2 180kW direct injection emissionised stage II intercooled turbo charged diesel engine.
- Double element type air-cleaner with dust indicator and auto-dust evacuator.
- Suction type cooling fan with radiator fly screen.
- Automatic fuel line de-aeration
- Engine key stop
- Alternator, 24 Volt 60 amphere
- Batteries, 2x12 Volt 140Ah
- Starter motor, 24 Volt 11 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind).
- Pump and engine mutual control (PEMC) system
- Multi function colour monitor with equipment management monitoring system (EMMS)
- 4-working mode selection system; Active mode, economy mode, breaker mode and lifting mode
- In-line filter for hydraulics.
- Standard counterweight
- Standard colour scheme and decals
- Power-Max function
- Auto-deceleration function.
- 2-mode boom control setting.
- Automatic engine warm-up system.
- Engine overheat prevention system.
- Fuel control dial.
- Adjustable PPC wrist control levers with 3 button controls for arm, boom, bucket and swing.
- PPC control levers and pedals for steering and travel.
- One additional 2-way proportional service valve, ( full flow )
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes.
- SpaceCab™: Highly pressurized and tightly sealed viscous mounted cab with tinted safety glass windows, opening roof hatch with window pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, ashtray, luggage box, floor mat
- Track roller guards
- Standard counterweight
- Standard colour scheme and decals
- Power-Max function
- Auto-deceleration function.
- 2-mode boom control setting.
- Automatic engine warm-up system.
- Engine overheat prevention system.
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- SpaceCab™: Highly pressurized and tightly sealed viscous mounted cab with tinted safety glass windows, opening roof hatch with window pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, ashtray, luggage box, floor mat
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- SpaceCab™: Highly pressurized and tightly sealed viscous mounted cab with tinted safety glass windows, opening roof hatch with window pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, ashtray, luggage box, floor mat
- Track roller guards

OPTIONAL EQUIPMENT

- LC and NLC undercarriages
- 600, 700, 800, 850mm triple grouser track-shoes
- Mono boom
- 3.2, 3.5, 4.0, 4.5 m arms
- Automatic greasing system
- Additional hydraulic circuits
- Hand safety valve
- Additional cab roof lights
- Rain visor
- Komatsu buckets
- Heated air suspension seat
- Full length track roller guards
- Radio-Cassette
- Service points
- Beacon preparation
- Bio oil
- OPG top guard
- DPF top guard

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