PC130-7

KOMATSU®

PC130

HYDRAULIC EXCAVATOR

NET HORSEPOWER
66 kW 88 HP @ 2,200 rpm

OPERATING WEIGHT
13,000 kg

BUCKET CAPACITY
max. 0,8 m³
The PC130-7 is a rugged, productive, all-European machine. Designed and expressly built for European markets, it delivers productivity, reliability and operator comforts 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 stability
- Low fuel consumption
- Easier maintenance and serviceability
- Improved operator comfort
- Lower noise
- Meets EC Stage II emission regulations

High productivity and low fuel consumption
The powerful turbocharged and air-to-air aftercooled Komatsu SAA4D95LE-3 provides 66 kW/88 HP. Productivity has increased with greater output in the ‘Active’ mode, while fuel efficiency has been further improved.

Flexibility
The PC130-7 is standard equipped with an additional circuit to handle a wide variety of attachments.

High stability
Lateral stability and lifting capacity have been improved by increasing the track length on ground and the width of gauge, compared to the Dash 6 model.

Excellent reliability and durability
- Reinforced work equipment
- Reliable major components designed and built by Komatsu
- Exceptionally-reliable electronic devices
**HYDRAULIC EXCAVATOR**

**PC130-7**

**NET HORSEPOWER**
66 kW 88 HP

**OPERATING WEIGHT**
13.000 kg

**BUCKET CAPACITY**
max. 0,8 m³

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**Easy maintenance**
- Remote-mounted engine oil filter, for easy access
- Standard-equipped water separator
- Easier radiator cleaning due to new side-by-side oil cooler and radiator

**SpaceCab™**
The new PC130-7’s cabin space has been increased by 14%, offering an exceptionally-roomy operating environment.
- Sealed and pressurised cab with standard climate control
- Low-noise design
- Low-vibration design with cabin damper mounting
- OPG Level I (ISO) compliant cabin

**In harmony with the environment**
- The low emission engine meets EC Stage II emissions standards with increased power and machine productivity
- The economy mode reduces fuel consumption
- Low operating noise
- Designed for easy end-of-life recycling
PC130-7’s cab interior is spacious and provides a comfortable working environment…

**SpaceCab™**

**Comfortable cab**

The new PC130-7 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 climate control, 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**

PC130-7 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.

**Riding comfort comparison**

<table>
<thead>
<tr>
<th>Cab damper mounting</th>
<th>Multi-layer viscous mount</th>
</tr>
</thead>
</table>

Vertical pitch oscillation on the graph shows the intensity of vibration

**Conditions:**

- Travelling over obstacle one side track
- High-speed forward travel

**Outer air filter**

Easy removal/installation of the air conditioner filter element, without tools facilitates easier cleaning.

Roof hatch

12-Volt power supply

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.

Safety features

Improved, wide visibility
The right side window pillar has been removed and the rear pillar reshaped to provide greater visibility. Blind spots have been decreased by 34%.

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

Thermal and fan guards
Are 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 and cool box

3 button lever

Seat sliding range: 340 mm – increased by 120 mm over the Dash 6

Defroster/demister

Thermal guard

Non-slip sheet

Large handrail for safe access

Large handrail for safe access
**Engine**
The PC130-7 gets its exceptional power and work capacity from a Komatsu SAA4D95LE-3 engine. Its output is 66 kW/88 HP, providing increased hydraulic power and improved fuel efficiency.

**High production levels and low fuel consumption**
The increased output and fuel savings of the Komatsu SAA4D95LE-3 engine result in increased productivity (tonnes per litre of fuel).

**OPG top and front guard**
The optional bolt-on OPG (Operation Protection Guard) top guard and front guard are available for operations in jobsites where there is a high possibility of falling rocks or debris. OPG level 2 for top and front guard according to ISO 10262.

**Self-diagnostic monitor system**
The PC130-7 features one of the most advanced diagnostic systems in the industry. Komatsu’s exclusive system identifies maintenance items, reduces diagnostic time, and helps you maintain maximum production.

<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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 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 RPMs and hydraulic flow</td>
</tr>
<tr>
<td>L</td>
<td>Lifting mode</td>
<td>• Hydraulic pressure has been increased by 7%</td>
</tr>
</tbody>
</table>

- A Engine water temperature
- B Battery charge
- C Engine oil pressure
- D Air cleaner clogging
- E Auto deceleration
- F Travel speed selector switch
- G Working mode selector switch
- H Fuel level
- I User or trouble code display
- J Service hours meter
- K Engine oil level
- L Pre-heat
- M Swing lock display
- N Oil maintenance
- O Window wiper
- P Window washer
Excellent reliability and durability

Reliable components
All of the major machine components, such as the 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’.

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

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

Metal guard rings
These protect all hydraulic cylinders and improve reliability.

Harmony with the environment

Low-emission engine
Komatsu SAA4D95LE-3 is EC Stage II compliant, with reduced NOx emissions, compared to the PC130-6.

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.

Low noise
Noise has been reduced from the engine as well as from swing and hydraulic operations. The dynamic noise level is just 73 dB(A) at operator ear level (ISO 6369).

Easy end-of-life recycling
The PC130-7 is designed with the 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.
Komatsu designed the PC130-7 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 PC130-7:

**Side-by-side cooling**
Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them.

**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**
The engine oil filter is mounted remotely to improve accessibility.
HYDRAULIC EXCAVATOR

SPECIFICATIONS

**ENGINE**

Model: Komatsu SAA4D95LE-3
Type: Direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Rated capacity: 66 kW/88 HP (ISO 9249 Net) at engine speed 2,200 rpm
No. of cylinders: 4
Bore × stroke: 95 × 115 mm
Displacement: 3,26 ltr
Battery: 2 × 12 V/65 Ah
Alternator: 24 V/25 A
Starter motor: 24 V/3,0 kW
Air filter type: Double element type with monitor panel dust indicator and auto dust evacuator

**SWING SYSTEM**

Type: HydraulMind. Closed-centre system with load sensing and pressure compensation valves
Swing lock: Mechanical disc brake
Swing speed: 0 - 11 rpm

**DRIVES AND BRAKES**

Steering control: 2 levers with pedals giving full independent control of each track
Drive method: Hydrostatic
Travel operation: Automatic 2-speed selection
Gradeability: 70%, 35°
Max. travel speeds: 2,7 / 5,5 km/h

**HYDRAULIC SYSTEM**

Type: HydraulMind. Closed-centre system with load sensing and pressure compensation valves
Additional circuits: 1 additional circuit is standard
Main pump: Variable displacement piston pump
supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow: 312 ltr/min
Relief valve settings
Implement: 325 kg/cm²
Travel: 355 kg/cm²
Swing: 295 kg/cm²
Pilot circuit: 30 kg/cm²

**UNDERCARRIAGE**

Construction: X-frame centre section with box section track-frames
Track assembly
Type: Fully sealed
Tension: 43
Rollers:
Track rollers (each side): 7
Carrier rollers (each side): 1

**COOLANT AND LUBRICANT CAPACITY (REFILLING)**

Fuel tank: 247 ltr
Radiator: 13,4 ltr
Engine oil: 11,0 ltr
Swing drive: 2,5 ltr
Hydraulic tank: 90 ltr
Final drive (each side): 2,5 ltr

**ENVIRONMENT**

Engine emissions: Fully complies with EC Stage II exhaust emission regulations
Noise levels
LwA external: 102 dB(A) (2000/14/EC)
LpA operator ear: 73 dB(A) (ISO 6369 dynamic test)

**OPERATING WEIGHT (APPR.)**

Operating weight, including 4,600 mm one-piece boom, 2,5 m arm, 470 kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

<table>
<thead>
<tr>
<th>MONO BOOM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor</td>
<td>Operating weight</td>
</tr>
<tr>
<td>PC130-7</td>
<td>12,600 kg</td>
</tr>
<tr>
<td>600 mm</td>
<td>12,780 kg</td>
</tr>
<tr>
<td>700 mm</td>
<td>12,960 kg</td>
</tr>
</tbody>
</table>
## Machine Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>PC130-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2.490 mm</td>
</tr>
<tr>
<td>B</td>
<td>2.810 mm</td>
</tr>
<tr>
<td>C</td>
<td>3.925 mm</td>
</tr>
<tr>
<td>D</td>
<td>2.110 mm</td>
</tr>
<tr>
<td>E</td>
<td>2.190 mm</td>
</tr>
<tr>
<td>F</td>
<td>855 mm</td>
</tr>
<tr>
<td>G</td>
<td>1.885 mm</td>
</tr>
<tr>
<td>H</td>
<td>400 mm</td>
</tr>
<tr>
<td>J</td>
<td>2.880 mm</td>
</tr>
<tr>
<td>K</td>
<td>3.610 mm</td>
</tr>
<tr>
<td>L</td>
<td>1.990 mm</td>
</tr>
<tr>
<td>M</td>
<td>500, 600, 700 mm</td>
</tr>
<tr>
<td>N</td>
<td>2.490 mm</td>
</tr>
<tr>
<td>O</td>
<td>2.590 mm</td>
</tr>
<tr>
<td>P</td>
<td>2.690 mm</td>
</tr>
</tbody>
</table>

### Arm Length

<table>
<thead>
<tr>
<th>Component</th>
<th>MONO BOOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>M Transport length</td>
<td>7.590 mm</td>
</tr>
<tr>
<td>N Overall height (to top of boom)</td>
<td>2.620 mm</td>
</tr>
</tbody>
</table>
Specifications and equipment may vary according to regional availability

**PC130-7**

<table>
<thead>
<tr>
<th>Width</th>
<th>Capacity SAE</th>
<th>Weight</th>
<th>2.100 mm</th>
<th>2.500 mm</th>
<th>2.900 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 mm</td>
<td>0.25 m³</td>
<td>325 kg</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>600 mm</td>
<td>0.32 m³</td>
<td>350 kg</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>700 mm</td>
<td>0.40 m³</td>
<td>390 kg</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>800 mm</td>
<td>0.48 m³</td>
<td>440 kg</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>900 mm</td>
<td>0.56 m³</td>
<td>475 kg</td>
<td>○</td>
<td>○</td>
<td>□</td>
</tr>
<tr>
<td>1.000 mm</td>
<td>0.64 m³</td>
<td>505 kg</td>
<td>○</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>1.100 mm</td>
<td>0.72 m³</td>
<td>560 kg</td>
<td>□</td>
<td>△</td>
<td>△</td>
</tr>
<tr>
<td>1.200 mm</td>
<td>0.80 m³</td>
<td>620 kg</td>
<td>△</td>
<td>–</td>
<td>–</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.

- ○ Material weight up to 1.8 t/m³
- □ Material weight up to 1.5 t/m³
- △ Material weight up to 1.2 t/m³
- – Not usable

**BUCKET AND ARM FORCE**

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.100 mm</th>
<th>2.500 mm</th>
<th>2.900 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force (ISO)</td>
<td>8.800 kgf</td>
<td>8.800 kgf</td>
<td>8.800 kgf</td>
</tr>
<tr>
<td>Bucket digging force at max.</td>
<td>9.500 kgf</td>
<td>9.500 kgf</td>
<td>9.500 kgf</td>
</tr>
<tr>
<td>Arm crowd force (ISO)</td>
<td>7.200 kgf</td>
<td>6.300 kgf</td>
<td>5.700 kgf</td>
</tr>
<tr>
<td>Arm crowd force at max. (ISO)</td>
<td>7.900 kgf</td>
<td>6.900 kgf</td>
<td>6.200 kgf</td>
</tr>
</tbody>
</table>
### WORKING RANGES

#### MONO BOOM

<table>
<thead>
<tr>
<th>ARM LENGTH</th>
<th>2.100 m</th>
<th>2.500 mm</th>
<th>2.900 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. digging height</td>
<td>8.345 mm</td>
<td>8.610 mm</td>
</tr>
<tr>
<td>B</td>
<td>Max. dumping height</td>
<td>5.905 mm</td>
<td>6.170 mm</td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth</td>
<td>5.115 mm</td>
<td>5.520 mm</td>
</tr>
<tr>
<td>D</td>
<td>Max. vertical wall digging depth</td>
<td>4.520 mm</td>
<td>4.940 mm</td>
</tr>
<tr>
<td>E</td>
<td>Max. digging depth of cut for 2,44 m level</td>
<td>4.875 mm</td>
<td>5.315 mm</td>
</tr>
<tr>
<td>F</td>
<td>Max. digging reach</td>
<td>7.925 mm</td>
<td>8.290 mm</td>
</tr>
<tr>
<td>G</td>
<td>Max. digging reach at ground level</td>
<td>7.795 mm</td>
<td>8.170 mm</td>
</tr>
</tbody>
</table>
### LIFTING CAPACITY

#### PC130-7 MONO BOOM

**Arm length**

<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>2.100 mm</td>
<td>6.0 m kg</td>
<td><em>2.400</em></td>
<td><em>2.400</em></td>
<td><em>3.400</em></td>
<td><em>3.400</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4.5 m kg</td>
<td><em>2.250</em></td>
<td>2.000</td>
<td>2.950</td>
<td>2.200</td>
<td><em>3.550</em></td>
</tr>
<tr>
<td></td>
<td>3.0 m kg</td>
<td><em>2.250</em></td>
<td>1.700</td>
<td>2.950</td>
<td>2.150</td>
<td><em>4.350</em></td>
</tr>
<tr>
<td></td>
<td>1.5 m kg</td>
<td>2.000</td>
<td>1.550</td>
<td>2.850</td>
<td>2.050</td>
<td>4.550</td>
</tr>
<tr>
<td></td>
<td>0.0 m kg</td>
<td>2.250</td>
<td>1.600</td>
<td>2.750</td>
<td>2.000</td>
<td>4.250</td>
</tr>
<tr>
<td></td>
<td>-1.5 m kg</td>
<td>2.550</td>
<td>1.800</td>
<td>2.750</td>
<td>1.950</td>
<td>4.150</td>
</tr>
<tr>
<td></td>
<td>-3.0 m kg</td>
<td>3.300</td>
<td>2.350</td>
<td>4.300</td>
<td>3.000</td>
<td><em>7.550</em></td>
</tr>
<tr>
<td></td>
<td>-4.5 m kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| With 700 mm shoe | 6.0 m kg | *1.950* | *1.950* | | | |
| With 700 mm shoe | 4.5 m kg | *1.800* | 1.700  | 3.000  | 2.250  | *3.150* | *3.150* |
| With 700 mm shoe | 3.0 m kg | *1.850* | 1.550  | 2.250  | 1.650  | 2.950  | 2.200  | *3.950* | 3.550 |
| With 700 mm shoe | 1.5 m kg | *1.950* | 1.450  | 2.200  | 1.600  | 2.850  | 2.100  | *4.550* | 3.300 |
| With 700 mm shoe | 0.0 m kg | 2.050  | 1.450  | 2.150  | 1.550  | 2.750  | 2.000  | 4.250  | 3.000 |
| With 700 mm shoe | -1.5 m kg | 2.250  | 1.600  | 2.700  | 1.950  | 4.150  | 3.000  | 8.700  | 5.600 |
| With 700 mm shoe | -3.0 m kg | 2.850  | 2.050  | 4.250  | 2.950  | *8.050* | 5.700  | *7.850* | *7.850* |
| With 700 mm shoe | -4.5 m kg | *3.600* | 3.200  | | | | *8.450* | *5.450* |

* 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.

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

- **Rating over front**
- **Rating over side**
- **Rating at maximum reach**

When using 700 mm shoe:

- **Reach from swing center**
- **Bucket hook height**
- **Lifting capacities, including bucket (469 kg), bucket linkage (120 kg) and bucket cylinder (83 kg)**

- **Rating over front**
- **Rating over side**
- **Rating at maximum reach**

* Load is limited by hydraulic capacity rather than tipping.
## HYDRAULIC EXCAVATOR

### STANDARD EQUIPMENT

- Komatsu SAA4D95LE-3 66 kW direct injection emissionised Stage II intercooled turbocharged engine
- Double element type air cleaner with dust indicator and auto-dust evacuation
- Automatic fuel line de-aeration
- Engine key stop
- Alternator 24 V/25 A
- Batteries 2 × 12 V/65 Ah
- Starter motor 24 V/3,0 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- Pump and engine mutual control (PEMC) system
- 4-working mode selection system; Active mode, economy mode, breaker mode and lifting mode
- Standard counterweight
- PowerMax function
- Auto-deceleration function
- Automatic engine warm-up system
- Engine overheat prevention system
- Fuel control dial
- PPC control levers and pedals for steering and travel
- One additional service valve (full flow)
- Hydrostatic, 2-speed travel system with automatic shift and planetary gear type final drives, and hydraulic lock service brakes
- SpaceCab™; Highly pressurised 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
- Parts book and operator manual
- Lockable fuel cap and covers
- Fuel supply pump
- Track frame under-guards
- 12 Volt power supply
- Overload warning device
- Boom safety valves
- Large handrails and rear-view mirrors
- Cigarette lighter
- Radio cassette preparation
- Beverage holder and magazine rack
- Electric horn
- Hot and cool box
- Toolkit and spare parts for first service
- Suspension seat with adjustable arm rests and retractable seat belt
- Standard colour scheme and decals
- 500 mm triple grouser track-shoes

### OPTIONAL EQUIPMENT

- 600 mm; 700 mm triple grouser track-shoes
- Mono boom
- Two-piece boom
- 2.1 m; 2.5 m; 2.9 m arms
- Blade assembly
- OPG Level II top guard (FOPS)
- OPG Level II front guard (FOPS)
- Radio cassette
- Service points
- Beacon preparation
- Bio oil
- Additional cab roof lights
- Additional boom light
- Rain visor (not with OPG)
- Komatsu buckets
- Arm safety valve
- Customised paint
- Track roller guards
- Larger alternator
- High capacity batteries

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Materials and specifications are subject to change without notice.

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Printed in Europe – This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.