

PC17R-5 PC20R-5

PRELIMINARY



Hydraulic excavator

Engine power
11.8 kW / 15.8 HP @ 2600 rpm

Operating weight
PC17R-5: 1755 - 1835 kg
PC20R-5: 1985 - 2040 kg

Bucket capacity
PC17R-5: 0.022 - 0.028 m³
PC20R-5: 0.020 - 0.030 m³

PC17/20R-5



Engine power

11.8 kW / 15.8 HP @ 2600 rpm

Operating weight

PC17R-5: 1755 - 1835 kg

PC20R-5: 1985 - 2040 kg

Transport weight (rubber shoes)

PC17R-5: 1670 kg

PC20R-5: 1890 kg

Bucket capacity

PC17R-5: 0.022 - 0.028 m³

PC20R-5: 0.020 - 0.030 m³

High versatility, low fuel-consumption and safe performance in tight spaces

Powerful and environmentally friendly

- NEW** • Newly developed for the EU market
- NEW** • Low-consumption EU Stage V engine
- NEW** • Highest stability and lifting capacity thanks to new body and counterweight design
- NEW** • Increased working capacity due to top-mounted boom cylinder (PC20R-5)

Total versatility

- NEW** • Designed for easy transport on a 2.5 tonnes GVW trailer (PC17R-5)
- NEW** • Lehnhoff Powertilt available as factory fit (PC20R-5)
- NEW** • 3rd auxiliary circuit for hydraulic powertilt and 4th line for hydraulic quick-coupler single effect (PC20R-5) (option)
- NEW** • Hydraulic quick coupler line (PC20R-5) (option)
- NEW** • Proportional control for attachments (option)
- NEW** • Variable gauge undercarriage as standard

First-class comfort

- NEW** • Newly designed cab
- NEW** • Grammer adjustable suspension seat (PC20R-5) (option)
- NEW** • Improved operator convenience
- NEW** • Low vibration levels with short pitch rubber shoes

Safety first

- NEW** • Dual lock system for PPC controls
- NEW** • Secondary engine shutdown switch
- NEW** • Seat belt caution indicator
- NEW** • Lifting eyes on cabin roof and tie down points on upper structure
- NEW** • LED working lights (option)

Easy maintenance

- NEW** • Improved filtration
- NEW** • Easy maintenance access direct from ground level
- NEW** • Fully opening engine door and side cover

Komtrax

- NEW** • Komatsu Wireless Monitoring System
- NEW** • 4G mobile communications
- Integrated communication antenna
- Increased operational data and reports

Engine

| | |
|-----------------------------|---------------------|
| Model | Komatsu 3D67E-2 |
| Type | Swirl chamber |
| Engine power | |
| at rated engine speed | 2600 rpm |
| ISO 14396 | 11.8 kW / 15.8 HP |
| ISO 9249 (net engine power) | 11.4 kW / 15.3 HP |
| No. of cylinders | 3 |
| Bore × stroke | 67 × 74 mm |
| Displacement | 778 cm ³ |

Drives and brakes

| | |
|------------------------------|--|
| Type | 2 levers with pedals giving full independent control of each track |
| Drive method | Hydrostatic |
| Max. travel speeds (Lo / Hi) | 2.2 - 4.1 km/h |

Swing system

| | |
|-------------|-------|
| Swing speed | 9 rpm |
|-------------|-------|

Environment

| | |
|------------------|---|
| Engine emissions | Fully complies with EU Stage V exhaust emission regulations |
| Noise levels | |
| LwA external | 93 dB(A) (2000/14/EC Stage II) |
| LpA operator ear | 78 dB(A) (ISO 6396 dynamic test) |

Working range

| | mm | PC17R-5 | | PC20R-5 | |
|--------------------------------------|----|---------|------|---------|------|
| | | 880 | 1130 | 965 | 1215 |
| Arm length | mm | | | | |
| a Max. digging height | mm | 3370 | 3670 | 3570 | 3800 |
| b Max. dumping height | mm | 2450 | 2660 | 2560 | 2760 |
| c Max. digging depth | mm | 2000 | 2200 | 2100 | 2370 |
| d Max. vertical wall digging depth | mm | 1500 | 1740 | 1685 | 1980 |
| e Max. digging reach | mm | 3630 | 3890 | 3830 | 4100 |
| f Max. digging reach at ground level | mm | 3540 | 3800 | 3760 | 4030 |
| g Min. swing radius | mm | 1425 | 1560 | 1415 | 1515 |

Machine dimensions

| | mm | PC17R-5 | PC20R-5 |
|---------------------|----|---------|---------|
| A Overall length | mm | 3800 | 3845 |
| B Overall height | mm | 2370 | 2370 |
| C Track length | mm | 1450 | 1570 |
| D Track gauge (min) | mm | 990 | 990 |
| E Track gauge (max) | mm | 1280 | 1280 |
| F Shoe width | mm | 230 | 230 |
| Tail swing radius | mm | 1120 | 1120 |

Hydraulic system

| | |
|------------------------------------|---|
| Type | Komatsu CLSS |
| Main pumps | 1 × variable displacement pump 1 × gear pump |
| Max. pump flow | 36 l/min |
| Max. operating pressure | |
| PC17R-5 | 18.5 MPa (185 bar) |
| PC20R-5 | 21.0 MPa (210 bar) |
| Bucket digging force (ISO 6015) | |
| PC17R-5 | 11.9 kN (1210 kgf) |
| PC20R-5 | 15.9 kN (1620 kgf) |
| Arm crowd force (ISO 6015) PC17R-5 | |
| 880 mm arm | 7.4 kN (750 kgf) |
| 1130 mm arm | 5.75 kN (585 kgf) |
| Arm crowd force (ISO 6015) PC20R-5 | |
| 965 mm arm | 9.9 kN (1010 kgf) |
| 1215 mm arm | 7.85 kN (865 kgf) |

Undercarriage

| | |
|---------------------------|--|
| Construction | Variable gauge with centre sliding section |
| Track rollers (each side) | 3 |
| Shoe width | 230 mm |

Blade

| | |
|-------------|--|
| Type | Central welded steel structure with extendable side sections |
| Width (min) | 1280 (990) × 250 mm |

