

KOMATSU

PC26 Electric

PRELIMINARY



Mini-excavator

ELECTRIC

Motor power
15.4 kW

Operating weight
2785 kg

Bucket capacity
0.035 - 0.085 m³

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Industry leading characteristics providing unrivalled customer value

Powerful electric system

- Electric Komatsu powertrain
- 15.4 kW Komatsu electric motor
- 23.2 kWh Komatsu battery pack
- Long life battery design
- Fast battery charge (20 to 100%) in 1.8 h with external DC charger (400 V)
- Standard battery charge in 6.2 h with on-board AC charger (230 V)
- High voltage (76.8 V) architecture
- Conventional tail design for maximum stability

Environmentally friendly

- Zero local emissions
- Optimal for indoor use or to work outside of standard working hours
- Participate in low-carbon projects
- Support customers' environmental obligations
- Significantly lower noise and vibration levels (vs. PC26MR-5)
- CO₂ reduction equivalent of its own weight (vs. PC26MR-5 over 1 year)

Total versatility

- On-board 230 V AC charger and off-board 400 V fast charger option
- Proportional control for attachments
- Adjustable attachment oil flow
- Possibility to use market compatible hydraulic attachments

First-class comfort

- Air-suspended operator seat
- Multi-function monitor with redesigned interface for electric excavators
- Charging status information at a glance
- Machine controls are same as Internal Combustion Engine machines (ICE) and offer familiar working behaviour

Safety first

- Heavy-duty, protected electric components
- High-safety LFP lithium battery design
- ROPS (ISO 3471) / OPG (ISO 10262) level 1 cab or canopy
- LED working lights
- Dual lock system for PPC controls through neutral position detection
- Secondary motor shutdown switch
- Seat belt caution indicator
- ID key (starter key with registered ID)
- Rear-view camera system (cab version)

Easy maintenance

- Air cooled maintenance-free electric motor and inverter
- Reduced daily check and periodical maintenance items
- Komatsu E-support programme
- New electric powertrain components with a 5 years warranty

Komtrax

- Komatsu Wireless Monitoring System
- 4G mobile communications
- Includes battery status, charging, power consumption information

Specifications

Electric system

System voltage	76.8 V
Battery	
Type	Komatsu Lithium-ion battery pack LFP (Lithium Iron Phosphate) technology
Capacity	23.2 kWh
Charger (external) input	400 V (CEE 32 A)
Charger (on-board) input	230 V

Electric motor

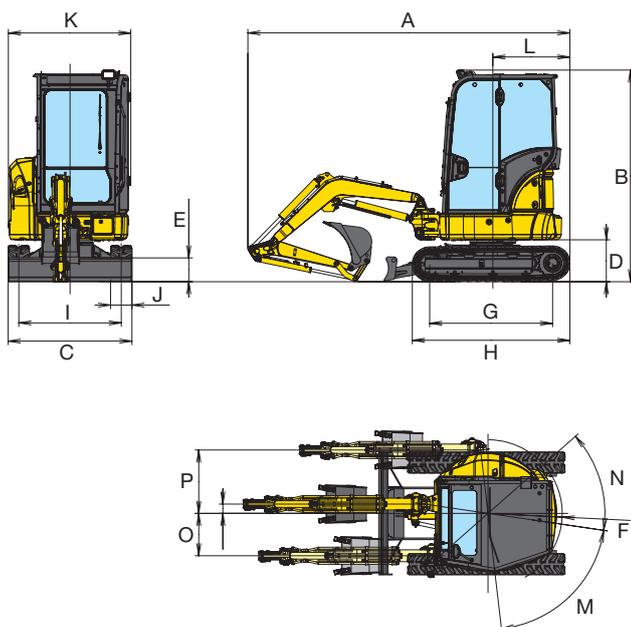
Motor power	15.4 kW
Motor type	Permanent magnet

Swing system

Swing speed	8.9 rpm
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Machine dimensions

Boom length	mm	1950
Arm length	mm	1370
A Overall length	mm	4190
B Overall height	mm	2575
C Overall width	mm	1450
D Clearance under revolving frame	mm	525
E Ground clearance	mm	290
F Tail swing radius	mm	1095
G Track length on ground	mm	1440
H Track length	mm	1885
I Track gauge	mm	1200
J Shoe width	mm	250
K Overall width of upper structure	mm	1430
L Distance, swing center to rear end	mm	1095
M/N Boom swing angle	°	75 / 50
O Boom offset LH	mm	480
P Boom offset RH	mm	750



Undercarriage

Track rollers (each side)	3
Shoe width	250 mm

Hydraulic system

Type	Komatsu CLSS
Main pumps	1 × variable displacement pump 2 × gear pump
Maximum pump flow	53.3 + 16.0 + 11.3 l/min
Bucket digging force (ISO 6015)	22 kN
Arm crowd force (ISO 6015)	12.1 kN

Drives and brakes

Steering control	2 levers with pedals giving full independent control of each track
Drive method	Hydrostatic
Max. travel speed	2.5 / 4.0 km/h

Environment

Engine emissions	Zero
Noise levels	
LwA external	91 dB(A) (2000/14/EC Stage II)
LpA operator ear	76 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2.5 m/s ² (uncertainty K = 0.33 m/s ²)
Body	≤ 0.5 m/s ² (uncertainty K = 0.18 m/s ²)

Working range

Arm length	mm	1370
a Max. digging height	mm	4255
b Max. dumping height	mm	3040
c Max. digging depth	mm	2700
d Max. vertical wall digging depth	mm	1735
e Max. digging reach	mm	4650
f Max. digging reach at ground level	mm	4520
g Min. swing radius	mm	2075
Min. swing radius at boom swing	mm	1640

