KOMATSU

PC230NHD-11

EU Stage IV Engine

PC230

HYDRAULIC EXCAVATOR

ENGINE POWER
123 kW / 165 HP @ 2.000 rpm

OPERATING WEIGHT
23.515 kg

BUCKET CAPACITY
max. 1,45 m³

INCREASED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Up to 15% less fuel consumption with new engine and control systems.

Powerful and Environmentally Friendly

- NEW • EU Stage IV engine
- NEW • Adjustable idle shutdown
- • Komatsu fuel-saving technology
- NEW • Engine fan clutch
- • Reduced wastage

Maximized Efficiency

- • Built-in versatility and superior productivity
- NEW • Enhanced engine management
- NEW • Lower hydraulic pressure loss

Narrow Heavy Duty Design

- • Narrow heavy duty undercarriage
- NEW • Narrow upper structure
- • Transport width only 2.540 mm
- • Easy transportation without special permits

images may display optional equipment or specifications not available in your area.

First-Class Comfort

- Fully air-suspended operator station
- NEW • Low noise design: class-leading 67 dB(A)
- NEW • Widescreen monitor with evolutionary interface
- Low vibration levels
- Improved operator convenience

Safety First

- Komatsu SpaceCab™ (FOPS optional)
- NEW • Improved monitoring system
- NEW • Neutral position detection system
- Safe access, easy maintenance
- Falling Object Protection System (FOPS) optional
- NEW • Side and rear view cameras as standard

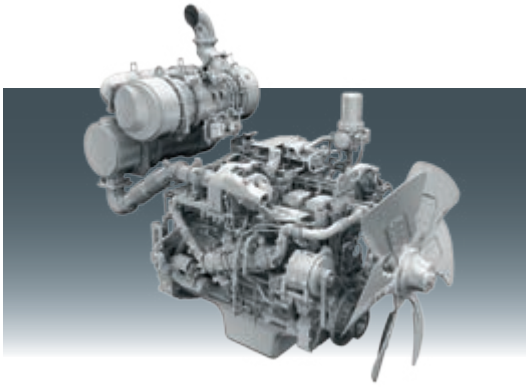
Quality You Can Rely On

- Komatsu-quality components
- Extensive dealer support network
- Reliable and efficient
- Rugged design

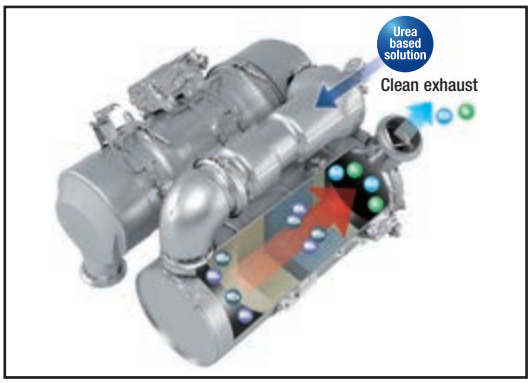
KOMTRAX™

- Komatsu Wireless Monitoring System
- NEW • 3G mobile communications
- Integrated communication antenna
- NEW • Increased operational data and fuel savings

KOMATSU CARE™ Complimentary maintenance program for customers



New, low consumption Komatsu SAA6D107E-3 engine.



New heavy-duty aftertreatment system combines the Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) to fully comply with EU Stage IV emissions.

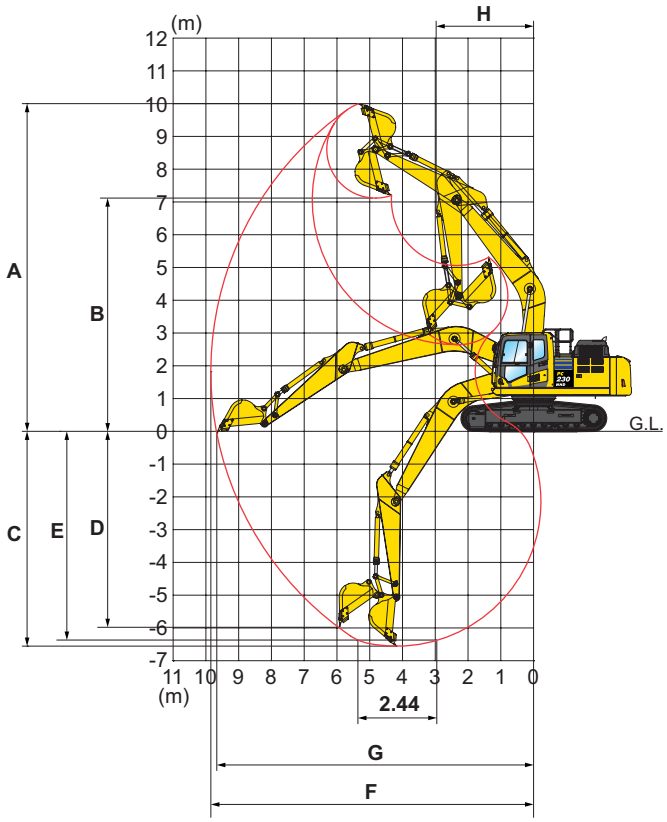
Fully air-suspended operator station ensures maximum operator comfort.

Improved monitoring system with rear-view camera image on the default screen. Eco gauge, eco guidance and fuel consumption gauge help to further reduce consumption.

ENGINE

Model	Komatsu SAA6D107E-3
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.000 rpm
ISO 14396	123 kW/165 HP
ISO 9249 (net engine power)	123 kW/165 HP
No. of cylinders	6
Bore × stroke	107 × 124 mm
Displacement	6,69 l

WORKING RANGE



HYDRAULIC SYSTEM

Type	HydrauMind. Closed-centre system with load sensing and pressure compensation valves
Additional circuits	2 additional circuits with proportional control can be installed
Main pump	2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow	475 l/min
Relief valve settings	
Implement	380 kg/cm²
Travel	380 kg/cm²
Swing	295 kg/cm²
Pilot circuit	33 kg/cm²

UNDERCARRIAGE

Construction	X-frame centre section with box section track frames
Track assembly	
Type	Fully sealed
Shoes (each side)	47
Tension	Combined spring and hydraulic unit
Rollers	
Track rollers (each side)	8
Carrier rollers (each side)	2

ENVIRONMENT

Engine emissions	Fully complies with EU Stage IV exhaust emission regulations
Noise levels	
LwA external	100 dB(A) (2000/14/EC Stage II)
LpA operator ear	67 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2,5 m/s² (uncertainty K = 0,49 m/s²)
Body	≤ 0,5 m/s² (uncertainty K = 0,24 m/s²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0,9 kg, CO_2 equivalent 1,29 t	

ARM LENGTH		2,4 m	2,9 m
A	Max. digging height	9.765 mm	10.095 mm
B	Max. dumping height	6.895 mm	7.215 mm
C	Max. digging depth	5.955 mm	6.465 mm
D	Max. vertical wall digging depth	5.365 mm	5.885 mm
E	Max. digging depth of cut for 2,44 m level	5.730 mm	6.280 mm
F	Max. digging reach	9.355 mm	9.850 mm
G	Max. digging reach at ground level	9.160 mm	9.655 mm
H	Min. swing radius	3.065 mm	2.975 mm

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