

KOMATSU PC138US-8 HYDRAULIC EXCAVATOR





SPECIFICATIONS

KOMATSU PC138US-8 HYDRAULIC EXCAVATOR COMPLETE WITH:

OPERATING SPECIFICATION:

Operating Weight: 13,480 – 13,850kg
Bucket Capacity: 0.18 – 0.60m³
Maximum Digging Depth: 5,480mm
Maximum Digging Height: 9,340mm
Maximum Dumping Height: 6,840mm
Maximum Digging Reach: 8,300mm
Tail Swing Radius: 1,480mm
Minimum Implement Swing Radius: 1,980mm
Ground Clearance: 395mm
Shoe Width: 500mm standard
Gradeability suited for rough terrain and steep slopes
High lifting stability with large counterweight
Small tail swing design for confined area operation

BODY:

Short tailswing upper structure
Round profile body design for minimal overhang High rigidity work equipment
Large cast iron counterweight: 3,250kg standard
One piece boom: 4,600mm
Arm options: 2,100mm, 2,500mm, 3,000mm
Slip resistant access surfaces
Large digging and dumping range

ENGINE:

Komatsu SAA4D9LE-5 Engine
Water-cooled, 4-cycle diesel engine
Turbocharged and air-to-air aftercooled 4-cylinder direct injection engine
Gross Power: 72.1kW (96.6HP) @ 2200rpm
Net Power: 68.4kW (91.7HP) @ 2200rpm
Engine Displacement: 3.26L
EPA Tier 3 / EU Stage 3A compliant
Electronic all-speed governor
Auto deceleration system
Low emission engine design
Low noise operation

TRAVEL SYSTEM:

Fully hydrostatic drive system
Automatic Hi/Lo travel speed shifting
Travel Speed:
High: 5.1km/h
Low: 2.9km/h
Maximum Drawbar Pull: 123kN
Hydraulic lock service brake
Wet multiple-disc parking brake
Two lever travel steering with pedals
Excellent mobility on slopes and rough terrain

UNDERCARRIAGE AND GUARDS:

X-legventer frame design
Box-section track frame
Sealed track system
Hydraulic track adjusters
Track rollers: 7 each side
Carrier rollers: 1 each side
Triple grouser shoes: 500mm standard

ELECTRICAL SYSTEM:

24V electrical system
Alternator: 35 Amp standard Batteries: 2 x 12V 64Ah
Large TFT LCD colour monitor
EMMS monitoring system
Multi-language display: 12 languages Fuel, temperature and maintenance monitoring
Auto-decelerator display
Travel alarm standard
Monitor panel fitted
Front work light fitted



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SERVICE CAPACITIES:

Fuel Tank: 195L
Hydraulic Tank: 69L
Engine Oil: 11L
Radiator Capacity: 12.4L
Swing Drive Oil: 2.5L
Final Drive Oil: 2.1L each side
Hydraulic oil service interval: 5,000 hours
Hydraulic filter interval: 1,000 hours
Engine oil and filter interval: 500 hours
Side-by-side cooling package for easier cleaning
Remote mounted filters and service points
Fuel pre-filter with water separator
Large toolbox with grease storage
Washable floor with drainage system

OPERATOR ENVIRONMENT:

ROPS Cab (ISO12117-2)
ISOOPG Top Guard Level 1 compliant
Large comfortable low-noise cab
Automatic climate control air conditioner
Pressurised cab to reduce dust entry
Sliding convex door for confined spaces
Multi-position PPC controls
Adjustable sliding seat and controls
Viscous cab mounts for vibration reduction
Retractable seat belt
Tempered and tinted safety glass
Emergency escape hammer
Skylight with opening window
Wide visibility design

HYDRAULIC SYSTEM:

Hydraulic system
Closed-center load sensing hydraulic system
Variable capacity piston pump
Maximum Hydraulic Flow: 241.5L/min
Hydraulic motors: 2 travel motors with parking brakes, 1 swing motor with holding brake
Relief Valve Settings:
Implement/Travel: 34.8MPa,
Swing: 27.1MPa
Pilot Circuit: 3.2MPa
Bucket Digging Force: 93.2kN
Arm Crowd Force: 61.8kN
Five selectable working modes: Power, economy, lifting, breaker, and attachment

SAFETY & MONITORING:

Travel alarm fitted standard
Lock lever disables hydraulic controls
Pump/engine room partition for hose burst protection
EMS Equipment Management Monitoring System
Maintenance reminder functions
Trouble diagnostic memory system
Eco-gauge fuel efficiency monitor
Idling caution warning system