Skid Steer Loader

SK714-5

ENGINE POWER
34,9 kW / 46,8 HP @ 2,800 rpm

OPERATING WEIGHT
2,530 kg

OPERATING CAPACITY
650 kg
Walk-Around

Highly versatile and compact, the SK714-5 skid steer loader is the result of the competence and technology that Komatsu has acquired over the past 80 years. Developed with constant attention to the needs of customers from all around the world, the end product is a user-friendly skid steer loader with top-class performances.

**Outstanding performances**
- PPC hydraulic servo-controls
- Closed-Load Sensing System (CLSS)
- 2 speed transmission
- Bucket self-levelling
- Automatic Power Control device

**Total versatility**
- Compact dimensions
- Wide range of attachments
- Available in “Super Flow” version
First-class operator comfort
• Spacious cab
• LCD panel
• Accelerator pedal

Highest safety standards
• ROPS-FOPS cab
• Safety sensors
• Excellent all around visibility
• Negative action brakes

Easy serviceability
• Easy access to all daily inspection points
• Tilting cab for full maintenance
• Extended 250-hour service interval

Komatsu Satellite Monitoring System
Outstanding Performances

Highly efficient
A self-levelling bucket is one of the many standard features of this Komatsu skid steer loader that make it highly efficient in any application. The accelerator pedal and a 2 speed transmission further increase operator productivity.

PPC Servo-Controls
The PPC servo-controls make the SK714-5 easy to use. Natural movements and maximum precision guarantee unique efficiency and greatly contribute to reduce operator fatigue. The right joystick controls the movements of the arm and of the bucket; the left one controls the translation.

Automatic Power Control device (APC)
Thanks to the APC device, the operator can always use the engine's full capacity, with no waste of power or overloads. It gives priority to the work equipment, makes the most of the residual power by sending it to the travelling motors, and prevents engine shutdown – even during the toughest operations.
First-Class Operator Comfort

Spacious cab
A spacious cab, with a wide entrance and comfortable seat, provides a level of comfort that is unmatched in this class of machines. Ergonomic controls and the excellent 360° visibility make the operator’s work much easier and safer on any job site. On request, the SK714-5 can be equipped with an exclusive front door that fits under the roof, and with side windows and heating for maximum comfort in all seasons.

LCD panel
The LCD panel on the safety bar allows to closely monitor all the machine's main functions: from fuel level to water temperature, air filter condition, engine oil pressure and more.

Accelerator pedal
For an optimised engine usage, lower fuel consumption and improved acoustic comfort the operator can also adjust engine rpm with the accelerator pedal without removing the hand from the joystick.
Safety sensors
In case of unauthorised manoeuvres, a sophisticated system of sensors located on the safety bars and on the seat prevents all machine movements by automatically braking on the transmission and inhibiting the PPC controls. The ROPS-FOPS cab, the excellent dynamic stability of the machine and a 360° visibility combine to give the operator complete confidence in any situation.

Brakes
The service and parking brakes are incorporated into the translation motors. They are hydraulic negative action brakes and can be set “on” or “off” with a button located on the board to the left of the operator. The brakes are always “on” when the engine is not running.
Multiple attachments
A wide range of attachments can be used with this machine, on many different job sites. Perfect for an everyday use on farms, building yards, industrial environments or harbours, the Komatsu skid steer loader stands in for manual labour with unparalleled versatility. The SK714-5 is also available with an optional “Super Flow” hydraulic system, for using specialized attachments, and for extra power and flexibility.

Compact dimensions
Extremely compact, agile and fast, the SK714-5 performs best in small places. Thanks to its short clearance circle and user friendly controls, steering operations are always possible in complete safety.
Easy Maintenance

Easy access to inspection points

Routine maintenance and check-ups can be performed by simply opening a rear bonnet that also allows the user to clean the inclinable radiators. For extra servicing, the tilting cab offers complete access to the transmission and to the main components of the hydraulic system. Special self-lubricating bushings increase the greasing intervals for all pins up to 250 hours.
KOMTRAX™ is a revolutionary machine tracking system designed to save you time and money. You can now monitor your equipment anytime and anywhere. Use valuable machine data received via the KOMTRAX™ web site to optimise your maintenance planning and machine performances.

With KOMTRAX™, you can:
- Check when & where your machines are at work
- Be informed of unauthorized machine use or movement
- Set and receive e-mail notification for security alarms

For further details on KOMTRAX™, please ask your Komatsu dealer for the latest KOMTRAX™ brochure.

Machine working time - With the “daily working record” chart, get precise engine running time data: when your machine was started and when it was shut down, as well as total engine running time.

Alarm notifications - You can receive notification of alarms both via the KOMTRAX™ website and by e-mail.

Fleet location - The machine list instantly locates all your machines, even those in other countries.

Added security - The “engine lock” feature allows to program when a machine’s engine can be started. And with “geo-fence”, KOMTRAX™ sends notification every time your machine moves in or out of a predetermined operating area.
## Specifications

### ENGINE

The new generation engine has been developed to comply with the strictest emission controls.

- **Model**: Komatsu 4D88E-5KFD
- **Type**: 4-cycle water-cooled diesel engine
- **Bore x stroke**: 88 × 90 mm
- **No. of cylinders**: 4
- **Engine power at rated engine speed**: 2.800 rpm
  - ISO 14396: 34,9 kW / 46,8 HP
  - ISO 9249 (net engine power): 33,6 kW / 45,1 HP
- **Max. torque/engine speed**: 145,1 Nm / 1.200 rpm
- **Aspiration**: natural
- **Cooling system**: water
- **Air filter type**: dry with safety element
- **Starter motor**: electric motor with pre-heating air system for cold climate

### OPERATING WEIGHT

Operating weight with standard bucket, fully serviced, +75 kg operator (ISO 6016): 2.530 kg

### HYDRAULIC SYSTEM

- **Type**: Komatsu CLSS
- **Hydraulic pump**: gear pump
- **Max. pump flow**: 62 ltr/min
- **Max. operating pressure**: 191 bar
- **Control valve**: 3 elements fully servo-controlled
- **SUPER FLOW hydraulic system (option)**:
  - **Max. pump flow**: 100 ltr/min
  - **Max. operating pressure**: 191 bar
  - **Control valve**: 3 elements

### TYRES

- **Standard**: 10-16.5 8PR
- **Option**: 10-16.5 8PR (wide tread) 10-16.5 (Airboss)

### CONTROLS

Proportional servo-controls (PPC). The left lever controls the machine movements, the right one controls the working equipment. The pedal controls the auxiliary circuit for attachments. A safety system neutralises all operations when the safety bars are risen or the operator is not seated.

### TRANSMISSION

- **Type**: 2 × variable displacement with 2 stage Hydraulic motors
- **Constant mesh final transmission with “heavy duty” type roller chains, which are immersed in an oil bath.**
- **No. of travel speeds**: 2
- **Max. travel speed**: 16 km/h
- **Oil immersed discs for both parking and working breaks with negative action and automatic insertion.**

### ELECTRIC SYSTEM

- **Voltage**: 12 V
- **Battery**: 80 Ah
- **Alternator**: 40 A

### SERVICE CAPACITIES

- **Hydraulic system**: 38 ltr
- **Fuel tank**: 53 ltr
- **Hydraulic transmission (chains)**: 15,5 + 15,5 ltr
- **Engine oil**: 8 ltr

### LOADER

- **Operating capacity (ISO 14397)**: 650 kg
- **Tipping load (ISO 14397)**: 1.300 kg
- **Standard bucket capacity (ISO 7546)**: 0.35 m³
- **Bucket breakout force (ISO 14397)**: 1.716 daN (1.750 kg)
- **Max lifting capacity (ISO 8313)**: 1.814 daN (1.850 kg)
- **Operating capacity with pallet forks**: 400 kg
- **Max. loading height with forks**: 2.620 mm
- **Max. reach with forks**: 1.895 mm

### ENVIRONMENT

- **Vibration levels (EN 12096:1997)**:
  - **Hand/arm**: ≤ 2.5 m/s² (uncertainty K = 1.2 m/s²)
  - **Body**: ≤ 0.5 m/s² (uncertainty K = 0.2 m/s²)
- **for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.**
Dimensions
Skid Steer Loader

SK714-5

Standard and Optional Equipment

**ENGINE**
Komatsu 4D88E-SKFD naturally-aspirated, direct injection diesel engine
Alternator 40 A
Battery 80 Ah
Catalytic muffler

**TYRES AND BRAKES**
Standard tyres 10-16.5 8PR
Automatic working and parking brakes
Wide tread tyres 10-16.5 8PR
Airboss tyres 10-16.5

**HYDRAULIC SYSTEM**
Auxiliary hydraulic circuit for attachments
Universal quick-coupler
SUPER FLOW version with 3 elements main valve (with drain line and electric connection)
Bucket floating function

**TRANSMISSION**
2 speed transmission

**SERVICE AND MAINTENANCE**
KOMTRAX™ - Komatsu satellite monitoring system
Cyclone air pre-filter

**CABIN**
ROPS / FOPS (Class 1) tilting cab
Adjustable seat with safety belt
Safety bars with incorporated display
Instrument panel including:
- hour meter
- LCD fuel level indicator
- LCD engine water temperature indicator
- safety warning lights: operator onboard, safety bars lowered
- other pilot lights: air filter clogging, engine oil pressure, generator, hydraulic oil filter, engine pre-heating, parking brake, working lights, direction indicators, floating

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**LIGHTING SYSTEM**
Two front working lights
2 rear working lights

**OTHER EQUIPMENT**
Bucket self leveling
12 V external power supply
Mudguards
Additional modular rear counterweight (6 pieces, total 126 kg)

**ATTACHMENTS**
1.550 mm bucket with or without teeth
1.730 mm bucket with or without teeth
Cutting edge on teeth
Bolt-on cutting edge
Lifting hooks
Pallet forks
Backhoe excavator pre-setting

Other attachments on request
- standard equipment
- optional equipment