

KOMATSU

SK714-5



Skid steer loader

Engine power
34.9 kW / 46.8 HP @ 2800 rpm

Operating weight
2530 kg

Operating capacity
650 kg

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A user-friendly machine with **top class performance**



Outstanding performance

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

Easy serviceability

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

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

Total versatility

- Compact dimensions
- Wide range of attachments
- Available in "Super Flow" version

Komtrax

- Komatsu Wireless Monitoring System

Outstanding performance



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.



Highest safety standards

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.



Total versatility

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.



The bonnet: quick engine check



The hatchback: simple inspection and cleaning of the radiators

Information & communication technology



Knowledge

You get quick answers to basic and critical questions about your machines – what they're doing, when they did it, where they're located, how they can be used more efficiently and when they need to be serviced. Performance data is relayed by wireless communication technology (satellite, GPRS or 4G depending on model) from the machine to a computer and to the local Komatsu distributor – who's readily available for expert analysis and feedback.

Convenience

Komtrax enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.



The way to higher productivity

Komtrax uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps to efficiently run a business.

Power

The detailed information that Komtrax puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.



Specifications

Engine

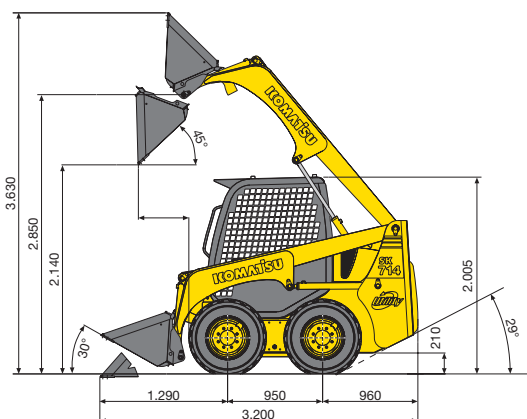
Model	Komatsu 4D88E-5KFD
Type	4-cycle water-cooled diesel engine
Bore × stroke	88 × 90 mm
No. of cylinders	4
Engine power	
at rated engine speed	2800 rpm
ISO 14396	34.9 kW / 46.8 HP
ISO 9249 (net engine power)	33.6 kW / 45.1 HP
Max. torque / engine speed	145.1 Nm / 1200 rpm
Aspiration	natural
Air filter type	Dry filter with safety element
Starting system	Electric motor with pre-heating air system for cold climate

Hydraulic system

Type	Komatsu CLSS, Closed Load Sensing System
Hydraulic pump	Gear pump
Max. pump flow	62 l/min
Max. operating pressure	191 bar
Control valve	3 elements fully servo-controlled
Super Flow hydraulic system (option)	
Max. pump flow	100 l/min
Max. operating pressure	191 bar
Control valve	3 elements

Loader

Operating capacity (ISO 14397)	650 kg
Tipping load (ISO 14397)	1300 kg
Standard bucket capacity (ISO 7546)	0.35 m ³
Bucket breakout force (ISO 14397)	1716 daN (1750 kg)
Max lifting capacity (ISO 8313)	1814 daN (1850 kg)
Operating capacity with pallet forks	400 kg
Max. loading height with forks	2620 mm
Max. reach with forks	1895 mm



Operating weight (appr.)

Operating weight with standard bucket, fully serviced, +75 kg operator (ISO 6016)	2530 kg
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Transmission

Type	Hydrostatic
Pumps	2 × variable displacement with 2 stage
Hydraulic motors	2 × axial pistons
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.	

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.

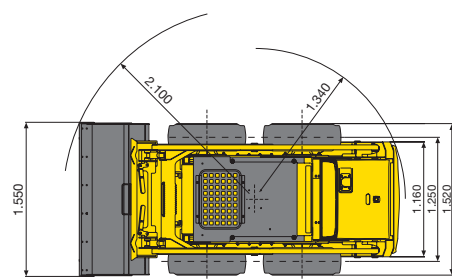
Environment

Vibration levels (EN 12096:1997)*	
Hand/arm	≤ 2.5 m/s ² (uncertainty K = 1.2 m/s ²)
Body	≤ 0.5 m/s ² (uncertainty K = 0.2 m/s ²)

* for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

Service capacities

Hydraulic system	38 l
Fuel tank	53 l
Hydraulic transmission (chains)	15.5 + 15.5 l
Engine oil	8 l



Standard and optional equipment

Engine

Komatsu 4D88E-5KFD naturally-aspirated, direct injection diesel engine	●
Alternator 40 A	●
Battery 80 Ah	●
Catalytic muffler	○

Hydraulic system

Auxiliary hydraulic circuit for attachments	●
Universal quick-coupler	●
Bucket floating function	●
Super Flow version with 3 elements main valve (with drain line and electric connection)	○

Transmission

2 speed transmission	●
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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	○

Service and maintenance

Komtrax – Komatsu wireless monitoring system (4G)	●
ORBCOMM (satellite communication)	○
Cyclone air pre-filter	○

Safety equipment

Back-up alarm	●
Horn	●
Battery main switch	●
Rear view mirrors	●
Rotating beacon	○
Accessories for road homologation	○
FOPS Class 2 cab	○

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	
Accelerator pedal	●
Closed cab with side windows, door (with wiper) and heating	○
Deluxe suspension seat with safety belt	○
Fixed or sliding side windows	○
12 V internal power supply	○

Lighting system

Two front working lights	●
2 rear working lights	○

Loader attachments

1550 mm bucket with or without teeth	●
1730 mm bucket with or without teeth	○
Cutting edge on teeth	○
Bolt-on cutting edge	○
Lifting hooks	○
Pallet forks	○
Backhoe excavator pre-setting	○

Other equipment

Bucket self leveling	●
Mudguards	○
Additional modular rear counterweight (6 pieces, total 126 kg)	○

Further equipment on request

- standard equipment
- optional equipment

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

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