

KOMATSU

SK1026-5

OPERATING WEIGHT

3.600 kg

OPERATING CAPACITY

1.200 kg

ENGINE POWER

63,9 kW / 85,7 HP @ 2.500 rpm

SK
1026-5



SKID STEER LOADER

SK1026-5

WALK-AROUND

Power, efficiency and ease at use are the main features of the new Komatsu SK1026-5 vertical lift skid steer loader. The specific loader arm design improves the performance in terms of lifting capacity and reach; this makes the machine perfectly suitable in operations like material handling.

Hydraulic Servo-Controls

The **PPC** servo-controls make the machine fast and easy to use; also, natural movements and unique efficiency come with minimum effort. The right joystick controls the arm and the bucket, while the left one controls the transmission.

Super Flow

The Super Flow system increases the available oil flow for the attachments and it comes with drainage and electric connection. The joysticks and the proportional pedal ensure a perfect control of all functions. This option allows the user to use any kind of attachments, including cold planer, wheel-saw and snow blower, besides sweeper, backhoe excavator, mixing bucket and more; this makes the SK1026-5 an extremely flexible machine.

Hydraulic System

The closed centre Load Sensing CLSS system ensures graduality, precision and smoothness in all movements. In addition, it is capable of combining power and speed to respond to any need. Two axial piston motors and the standard second speed allow the skid steer loader to reach 16 km/h.



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Engine

The KOMATSU engine supplies the machine with the required power, keeping the fuel consumption very low. Also, it ensures low exhaust emissions to comply with the European STAGE 2 standard, it restrains noise level and vibrations, while still providing excellent reliability and efficiency, compact dimensions and easy access for periodic maintenance.

**Versatility**

The arm design, with a vertical lift, makes this model particularly suitable for loading/unloading operations, especially with pallet forks. Because of this peculiar design, this machine keeps the bucket reach constant throughout the whole trajectory: this ensures tipping loads which are higher than in conventional models, as well as simplicity and safety while working at the maximum height. The auxiliary hydraulic circuit gives the opportunity to utilise multiple attachments, making the SK1026-5 the very best in terms of versatility and performance.

OPERATOR'S ENVIRONMENT



The wide entrance and the unique internal room provide the operator with a level of comfort that is much above the average for this class of machines. Next, the ergonomic controls and the excellent 360° visibility make the job much easier and safer in any condition.

On request, the machine can be offered with the exclusive front door and the side windows, as well as with heating or air conditioning for maximum comfort in every season.

STRONG POINTS

Instrumentation

The LCD panel, which is a KOMATSU patent, is mounted on the safety bar. Thanks to this, the operator can constantly monitor all the main functions of the machine: from the fuel level to the water temperature, from the air filter to the engine oil pressure and more.



Safety

In case of unauthorised manoeuvres, a sophisticated system of sensors on the safety bars and on the seat prevents all movements by automatically braking on the transmission and disabling the working equipment. The ROPS-FOPS cab, the excellent dynamic stability of the machine and the 360° visibility allow the operator to work in complete confidence.



Two Speeds

The second speed, which is standard, pushes the SK1026-5 up to a 16 km/h top speed and drastically reduces the transfer times within the yard, thus increasing the productivity. The first speed is used while digging or climbing, whenever maximum drawbar pull is required.



Sliding Door

The front sliding door, that rises and goes underneath the roof, ensures extraordinary comfort in any environmental condition: hot, cold, rain or dust. Also, thanks to this particular design, the operator can work with the door both open and closed, as it doesn't interfere with the arm of the machine at all.



SERVICEABILITY



The routine maintenance and checks can be performed by simply opening the rear bonnet. In addition, the opening of the rear cover allows the user to access and clean the radiators (which can be inclined). Then, for special service operations, the tilting cab offers complete access to the transmission and to the main components of the hydraulic system. The adoption of special self-lubricating bushings increased up to 250 hours the greasing intervals for all pins.

SPECIFICATIONS



ENGINE

The new generation engine has been developed to comply with the strictest emission controls (STAGE 2).
 Model Komatsu S4D98E-2NFE
 Type emissionised, direct injection, Turbo-charged diesel engine, 16 valves
 Bore x stroke 98 x 110 mm
 No. of cylinders 4
 Engine power
 at rated engine speed 2.500 rpm
 ISO 14396 63,9 kW / 85,7 HP
 SAE J1349 (net engine power) 62,0 kW / 83,1 HP
 Max. torque / engine speed 286 Nm @ 1.600 rpm
 Cooling system water
 Air filter dry with safety element
 Starting electric motor with pre-heating air system for cold climate



TRANSMISSION

Type hydrostatic
 Pumps 2 x variable displacement
 Hydraulic motors 2 x 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.



TYRES

Standard 12-16.5



ELECTRIC SYSTEM

Voltage 12 V
 Battery 100 Ah
 Alternator 40 A



SERVICE CAPACITIES

Hydraulic system 50 l
 Fuel tank 73 l
 Hydraulic transmission (chains) 16 + 16 l
 Engine oil 12,5 l



LOADER

Operating capacity (ISO 5998) 1.200 kg
 Tipping load (ISO 8313) 2.400 kg
 Standard bucket capacity (ISO 7546) 0,45 m³
 Bucket breakout force (ISO 8313) 2.400 daN (2.450 kg)



OPERATING WEIGHT

Operating weight of the machine with standard bucket, full fuel tank and 75 kg operator (ISO 6016) 3.600 kg



HYDRAULIC SYSTEM

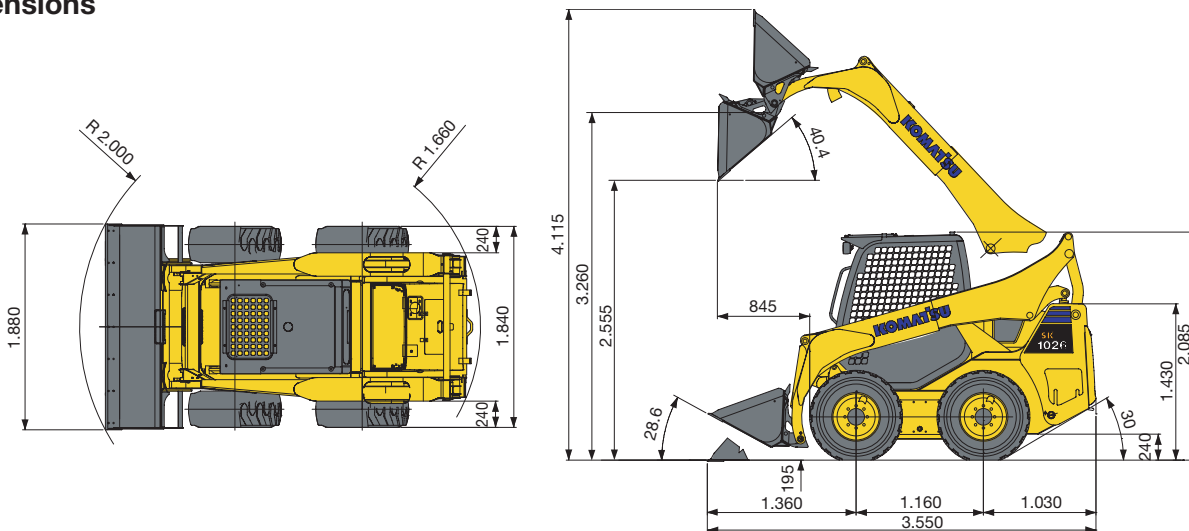
Type Komatsu CLSS (*Closed Load Sensing System*)
 Hydraulic pump gear pump
 Std. flow 80 l/min
 Max. pressure 210 bar
 Super flow 130 l/min
 Max. pressure 210 bar
 Main valve 3 or 4 fully servo-controlled elements



CONTROLS

Proportional Servo-controls (PPC). The left lever controls the machine movements, the right one controls the working equipment. The PPC 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.

Dimensions



SKID STEER LOADER

STANDARD EQUIPMENT

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|--|---|---|--|
| <ul style="list-style-type: none"> • Komatsu STAGE 2 Turbo engine • ROPS / FOPS (Class 1) tilting cab • Adjustable seat with safety belt • 2 travel speeds • Safety bars with incorporated display • Instrument panel including: <ul style="list-style-type: none"> - hour meter - LCD fuel level indicator | <ul style="list-style-type: none"> - 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, second speed, | <ul style="list-style-type: none"> working lights, direction indicators, floating • Accelerator pedal • Bucket self-levelling • Two front working lights • Parking and working brakes • Auxiliary hydraulic circuit for attachments | <ul style="list-style-type: none"> • Universal quick coupler • 1.880 mm bucket with or without teeth • Horn • Standard tyres 12-16.5 |
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OPTIONAL EQUIPMENT

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| <ul style="list-style-type: none"> • Floating • SUPER FLOW version (with drainage and electric connection) with three element main valve • SUPER FLOW version (with drainage and electric connection) with four element main valve, with extra auxiliary hydraulic element for multi-purpose attachments • Accessories for road homologation | <ul style="list-style-type: none"> • Deluxe suspension seat with safety belt • Narrow tyres 12-16.5 • 1.730 mm narrow bucket with or without teeth • Wide tyres 33 x 15.5-16.5 • 2.030 mm large capacity bucket with or without teeth • Cutting edge on teeth • Bolted on cutting edge | <ul style="list-style-type: none"> • 2 rear working lights • Rotating beacon • Back-up alarm • Rear view mirrors • Lifting hooks • Fixed or sliding side windows • Closed cab with side windows, door (with wiper) and heating • Air conditioning • Excavator pre-setting | <ul style="list-style-type: none"> • Cyclone air pre-filter • Master disconnect switch • Cold area arrangement • FOPS Class 2 • 12 V internal power supply • 126 kg rear modular counterweight (6 pieces) • Mudguards • Tilting cab auxiliary device |
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