

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 × 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
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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	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.	

ELECTRIC SYSTEM

Voltage	12 V
Battery	80 Ah
Alternator	40 A

SERVICE CAPACITIES

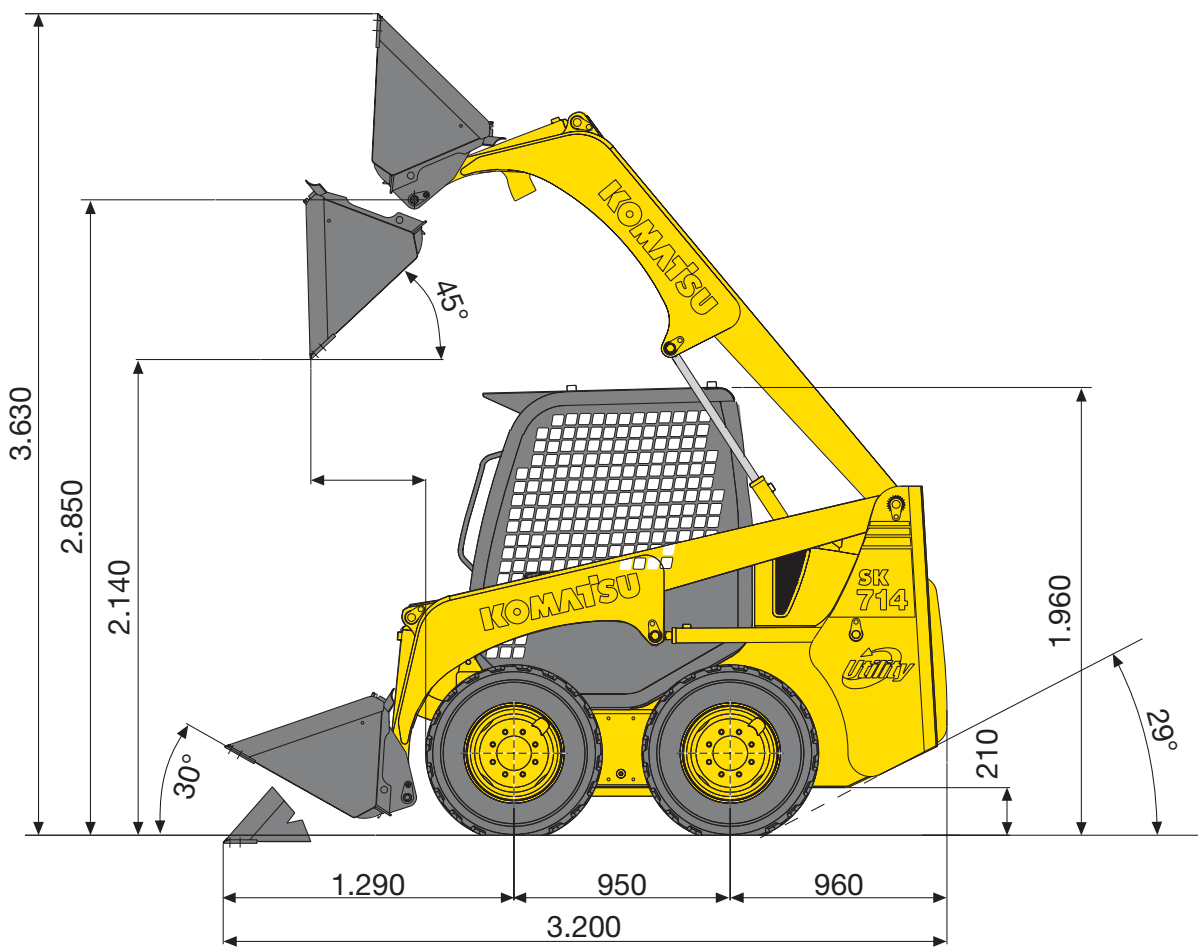
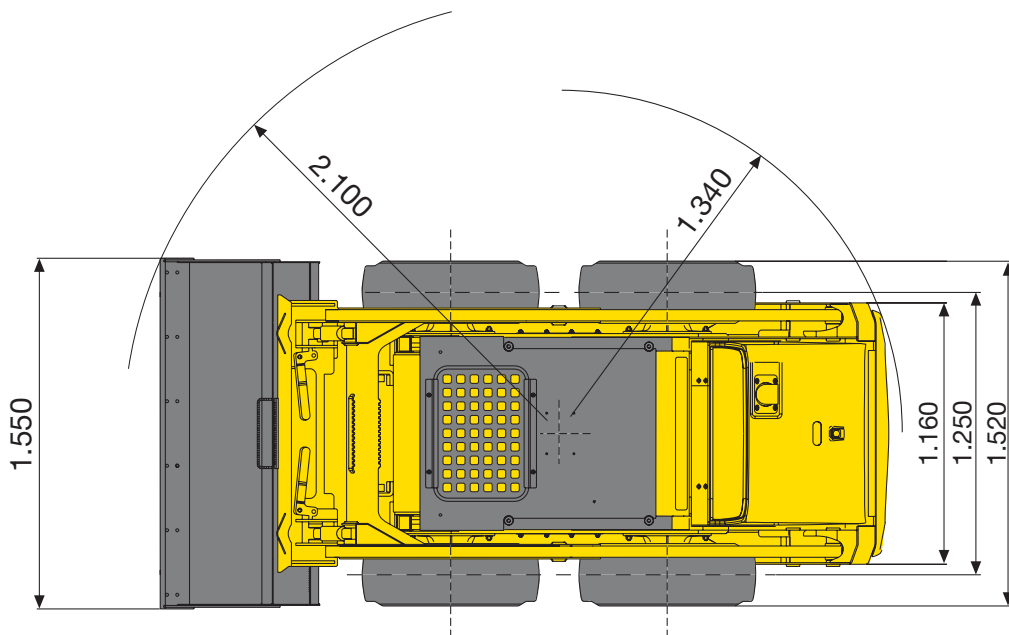
Hydraulic system	38 ltr
Fuel tank	53 ltr
Hydraulic transmission (chains)	15,5 + 15,5 ltr
Engine oil	8 ltr

LOADER

Operating capacity (ISO 14397)	650 kg
Tipping load (ISO 14397)	1.300 kg
Standard bucket capacity (ISO 7546)	0,35 m ³
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/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.	



Skid Steer Loader

SK714-5

Standard and Optional Equipment

ENGINE

Komatsu 4D88E-5KFD 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	●
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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	
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	○

SAFETY EQUIPMENT

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

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

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