

Specifications CK30-1

ENGINE

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

Model Komatsu S4D98E-2NFE
 Type emissionised, direct injection,
 turbo-charged diesel engine, 16 valves
 Displacement 3.319 cc
 Bore x stroke 98 x 110 mm
 N° 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 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

OPERATING WEIGHT

Operating weight with standard bucket, fully serviced, +75 kg operator (ISO 6016) 4.290 kg

HYDRAULIC SYSTEM

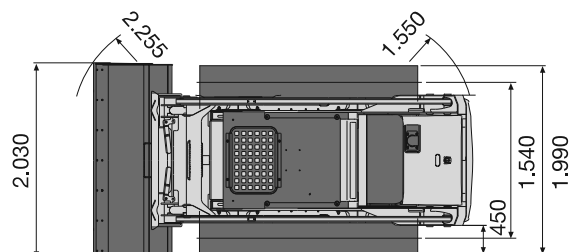
Type Komatsu CLSS (Closed Load Sensing System)
 Hydraulic pump gear pump
 Std. flow 80 ltr/min
 Max. pressure 205 bar
 Super flow (opt.) 130 ltr/min
 Max. pressure 205 bar
 Main valve 3 fully servo-controlled elements

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.

LOADER

Operating capacity (ISO 14397) 1.130 kg
 Tipping load (ISO 14397) 3.220 kg
 Standard bucket capacity (ISO 7546) 0,45 m³
 Bucket breakout force (ISO 14397) 2.242 daN (2.280 kg)



TRANSMISSION

Type hydrostatic
 Pumps 2 x variable displacement
 Hydraulic motors 2 x axial pistons
 Travel speeds 2
 Max. travel speed 12 km/h
 Max. drawbar pull 4.185 daN
 Oil immersed discs for both parking and working breaks with negative action and automatic insertion

TRACKS

Standard track width 450 mm
 Optional track width 320 mm
 Ground pressure 0,32 kg/cm²
 Track rollers (each side) 5
 Track tensioning grease

ELECTRIC SYSTEM

Voltage 12 V
 Battery 100 Ah
 Alternator 40 A

SERVICE CAPACITIES

Hydraulic system 50 ltr
 Fuel tank 73 ltr
 Engine oil 12,5 ltr

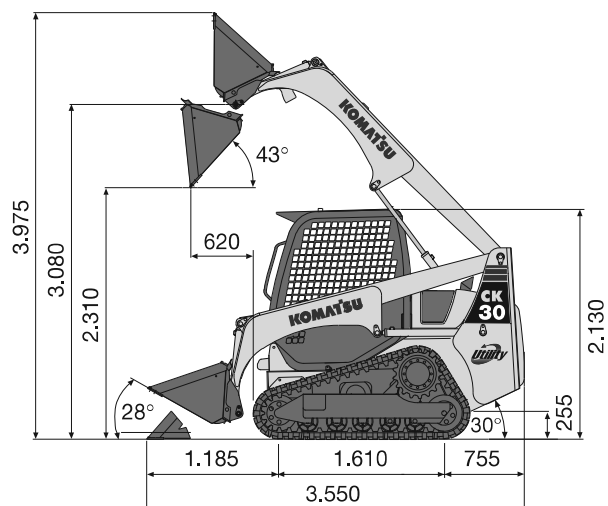
ENVIRONMENT

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.



Skid Steer Loader

CK20-1 / CK30-1

Standard and Optional Equipment

ENGINE

Komatsu 4D98E-2NFE direct injection diesel engine (CK20-1)	●
Komatsu S4D98E-2NFE turbocharged, direct injection diesel engine (CK30-1)	●
Alternator 40 A	●
Battery 100 Ah	●

TRANSMISSION

2 speed transmission	●
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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)	○

TRACKS

320 mm rubber shoes (CK20-1)	●
450 mm rubber shoes (CK30-1)	●
320 mm rubber shoes (CK30-1)	○

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	●
12 V external power supply	●
Closed cab with side windows, door (with wiper) and heating or air conditioning	○
Deluxe suspension seat with safety belt	○
Fixed or sliding side windows	○
12 V internal power supply	○
Tilting cab auxiliary device	○

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-levelling	●
Additional modular rear counterweight (6 pieces, total 126 kg)	○
Cold area arrangement	○

ATTACHMENTS

1,730 mm bucket with or without teeth (CK20-1)	●
2,030 mm bucket with or without teeth (CK30-1)	●
1,880 mm narrow bucket with or without teeth (CK20-1, CK30-1)	○
Cutting edge on teeth	○
Bolt-on cutting edge	○
Pallet forks	○
Lifting hooks	○

A wide range of attachments is available. Please consult your distributor for details of the full range.

Other attachments on request

- standard equipment
- optional equipment

Your Komatsu partner:

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