

KOMATSU CK30 - 1

Specifications

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.

Dimensions

