

KOMATSU

HD325-8

EU Stage IV Engine

OFF-HIGHWAY TRUCK

PRELIMINARY



HD325

ENGINE POWER

386 kW / 518 HP @ 2.000 rpm

MAXIMUM GWV

70.760 kg

BODY CAPACITY, HEAPED

24,0 m³

Walk-Around

Powerful and Environmentally Friendly

- NEW** • Fuel efficient high performance Komatsu SAA6D140E-7 engine
- NEW** • Auto idle stop
- NEW** • Eco guidance
- NEW** • Komatsu Traction Control System (KTCS) (Option)
- Hydraulically controlled wet multiple-disc brakes and retarder
- Auto Retard Speed Control (ARSC)

First-Class Operator Comfort

- NEW** • Newly designed spacious, economical cab with excellent visibility
- NEW** • Large TFT colour monitor
- NEW** • Heated and ventilated air suspension seat
- NEW** • Integrated stairways with handrails and gentle slope
- K-ATOMiCS transmission with “Skip-Shift” function
- Hydropneumatic suspension for all terrains



Reliability & Maintenance

- NEW** • Hydraulically driven, reversible cooling fan
- Fully hydraulic brake system
- Reliable Komatsu manufactured major components
- High-rigidity frame
- Wet multiple-disc brakes
- Highly reliable hydraulic system
- Payload meter (PLM)
- Centralized greasing points
- Centralized arrangement of filters

KOMTRAX™

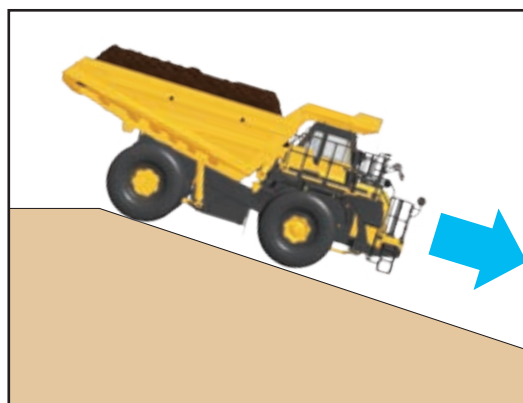
- NEW** • Increased operational data and fuel savings
- Komatsu Wireless Monitoring System



Safe and convenient cab access thanks to stairway with handrail



Wide, spacious cab with excellent visibility



Auto Retard Speed Control (ARSC) allows the operator to simply set the downhill travel speed and go down slopes at a constant speed.



Centralized greasing points and filter arrangements make maintenance easier

ENGINE

| | |
|-----------------------------|---|
| Model | Komatsu SAA6D140E-7 |
| Type | Common rail direct injection, water-cooled, turbocharged, after-cooled, cooled EGR diesel |
| Engine power | |
| at rated engine speed | 2.000 rpm |
| ISO 14396 | 386 kW/518 HP |
| ISO 9249 (net engine power) | 383 kW/514 HP |
| No. of cylinders | 6 |
| Bore x stroke | 140 x 165 mm |
| Displacement | 15,24 l |
| Engine emissions | EU Stage IV compliant |

TRANSMISSION

| | |
|-------------------|--|
| Torque converter | 3-elements, 1-stage, 2-phase |
| Transmission | Full-automatic, planetary type |
| Shift control | Electronic shift control with automatic clutch modulation in all gears |
| Max. travel speed | 68 km/h |

STEERING & TYRES

| | |
|---|---|
| Type | Fully hydraulic power steering with two double-acting cylinders |
| Min. turning radius, centre of front tyre | 7,2 m |
| Max. steering angle (outside tyre) | 43° |
| Standard tyres | 18.00 R33 |

HYDRAULIC SYSTEM

| | |
|---------------------------|---------------------------------|
| Hoist cylinder | Twin, 2-stage telescopic type |
| Relief pressure | 20,6 MPa/210 kg/cm ² |
| Hoist time (at high idle) | 10 sec |

BRAKES

| | |
|--------------------------------|---|
| Service brakes, front | Full-hydraulic control, caliper disc type |
| Service brakes, rear | Full-hydraulic control, oil-cooled multiple-disc type |
| Retarder | Oil-cooled, multiple-disc rear brakes act as retarder |
| Retarder capacity (continuous) | 689 kW |

BODY

| | |
|-------------------------------------|--|
| Capacity | |
| Struck | 16,9 m ³ |
| Heaped (2:1, SAE) | 24,0 m ³ |
| Payload | 36,5 metric tons |
| Material | 130 kg/mm ² high tensile strength steel |
| Material thickness | |
| Bottom | 16 mm |
| Front | 12 mm |
| Sides | 9 mm |
| Target area (inside length x width) | 5.515 mm x 3.380 mm |
| Heating | Exhaust heating |

WEIGHT

| | |
|-----------------------------|-----------|
| Empty weight | 34.180 kg |
| Gross vehicle weight | 70.760 kg |
| Weight distribution, empty | |
| Front axle | 56,5% |
| Rear axle | 43,5% |
| Weight distribution, loaded | |
| Front axle | 33,7% |
| Rear axle | 66,3% |

