

KOMATSU

HD785-8

EU Stage V Engine

OFF-HIGHWAY TRUCK

PRELIMINARY



HD785

ENGINE POWER

895 kW / 1.200 HP @ 1.900 rpm

NOMINAL PAYLOAD

92,2 metric tons

BODY CAPACITY, HEAPED

60 m³

Walk-Around

HD785-8



Images may display optional equipment or specifications not available in your area.



Productivity on demand

Powerful and Environmentally Friendly

- NEW** • Fuel efficient high performance Komatsu SAA12V140E-7 EU Stage V engine
- NEW** • Eco-gauge and Eco guidance
- NEW** • Adjustable auto idle shutdown
- Variable horsepower control (VHPC) with mode selection system

First-Class Comfort

- NEW** • Newly designed spacious, ergonomical cab
- NEW** • Heated and ventilated air suspension seat
- NEW** • Low noise level: 72 dB(A)
- NEW** • High resolution LCD colour monitor
- Hydro-pneumatic suspension

Reliability & Maintenance

- NEW** • Hydraulically driven, reversible cooling fan
- NEW** • Modular radiator core system
- NEW** • High power density axle
- NEW** • Service center with fast oil & coolant fill
- Centralized greasing points
- Centralized arrangement of filters

Maximised Efficiency

- NEW** • Komatsu Traction Control System (KTCS)
- Hydraulically controlled wet multiple-disc brakes and retarder
- Auto Retard Speed Control (ARSC)
- K-ATOMiCS transmission with “Skip-Shift” function
- Payload meter (PLM)

Safety First

- NEW** • KomVision surround view system
- NEW** • LED lighting
- NEW** • Starter & battery disconnect switch
- NEW** • Machine lockout switch
- Komatsu SpaceCab™ – Built-in ROPS/FOPS
- Integrated stairways with handrails and gentle slope

KOMTRAX Plus

- Komatsu Wireless Monitoring System
- Increased operational data and fuel savings



A maintenance program for Komatsu customers

ENGINE

Model	Komatsu SAA12V140E-7	
Type	Common rail direct injection, water-cooled, turbocharged, after-cooled, cooled EGR diesel	
Engine power		
at rated engine speed	1.900 rpm	
ISO 14396	895 kW/1.200 HP	
ISO 9249 (net engine power)	849 kW/1.140 HP	
No. of cylinders	12	
Bore × stroke	140 × 165 mm	
Displacement	30,48 l	

ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations	
Noise level, LpA operator ear	72 dB(A) (ISO 6396 dynamic test)	

TRANSMISSION

Transmission	Full-automatic, planetary type	
Speed range	7 speeds forward and 2 reverse	
Max. travel speed	65 km/h	

WEIGHT (APPROX.)

Empty weight	73.800 kg	
Gross vehicle weight	166.000 kg	
Weight distribution		
Empty		
Front axle	51,5%	
Rear axle	48,5%	
Loaded		
Front axle	33,2%	
Rear axle	66,8%	

BRAKES

Brakes meet ISO 3450 standard.	
Retarder	Oil-cooled, multiple-disc front and rear brakes act as retarder
Retarder capacity (continuous)	1.320 kW / 1.770 HP
Brake surface	
Front	39.195 cm ²
Rear	71.858 cm ²

HYDRAULIC SYSTEM

Hoist cylinder	Twin, 2-stage telescopic type
Hoist time (at high idle)	11,5 s

AXLES

Final drive type	Planetary gear
Rear axle	Full-floating

TYRES

Standard tyres	27.00 R49
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BODY

Capacity	
Struck	40,0 m ³
Heaped (2:1, SAE)	60,0 m ³
Payload	92,2 metric tons
Material	130 kg/mm ² high tensile strength steel
Material thickness	
Bottom	19 mm
Front	12 mm
Sides	9 mm
Target area (inside length × width)	7.070 mm × 5.150 mm
Heating	Exhaust heating

