

KOMATSU

HD605-8

OFF-HIGHWAY TRUCK

PRELIMINARY



HD605

ENGINE POWER

578 kW / 778 HP @ 2.000 rpm

MAXIMUM GVW

114.700 kg

BODY CAPACITY, HEAPED

40,0 m³

Walk-Around

Powerful and Environmentally Friendly

- NEW** • Fuel efficient high performance Komatsu SAA6D170E-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

HD605-8



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

NEW KOMTRAX™ Plus

- 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 SAA6D170E-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	578 kW/778 HP
ISO 9249 (net engine power)	540 kW/724 HP
No. of cylinders	6
Bore x stroke	170 x 170 mm
Displacement	23,15 l
Engine emissions	Exempt from EU exhaust emission regulations

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	70 km/h

STEERING & TYRES

Type	Fully hydraulic power steering with two double-acting cylinders
Min. turning radius, centre of front tyre	8,7 m
Max. steering angle (outside tyre)	39°
Standard tyres	24.00 R35

HYDRAULIC SYSTEM

Hoist cylinder	Twin, 2-stage telescopic type
Relief pressure	20,6 MPa/210 kg/cm ²
Hoist time (at high idle)	11,5 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)	802 kW / 1.075 HP

BODY

Capacity	
Struck	29,0 m ³
Heaped (2:1, SAE)	40,0 m ³
Payload	63 metric tons
Material	130 kg/mm ² high tensile strength steel
Material thickness	
Bottom	25 mm
Front	16 mm
Sides	14 mm
Target area (inside length x width)	6.450 mm x 3.870 mm
Heating	Exhaust heating

WEIGHT

Empty weight	51.620 kg
Gross vehicle weight	114.700 kg
Weight distribution, empty	
Front axle	51%
Rear axle	49%
Weight distribution, loaded	
Front axle	33%
Rear axle	67%

