

# KOMATSU

# HD465-8

OFF-HIGHWAY TRUCK

PRELIMINARY



# HD465

**ENGINE POWER**

578 kW / 778 HP @ 2.000 rpm

**MAXIMUM GWV**

103.500 kg

**BODY CAPACITY, HEAPED**

34,2 m<sup>3</sup>

# 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

HD465-8



**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 <sup>2</sup>
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	25,0 m <sup>3</sup>
Heaped (2:1, SAE)	34,2 m <sup>3</sup>
Payload	55 metric tons
Material	130 kg/mm <sup>2</sup> high tensile strength steel
Material thickness	
Bottom	19 mm
Front	12 mm
Sides	9 mm
Target area (inside length x width)	6.450 mm x 3.870 mm
Heating	Exhaust heating

## WEIGHT

Empty weight	48.420 kg
Gross vehicle weight	103.500 kg
Weight distribution, empty	
Front axle	53%
Rear axle	47%
Weight distribution, loaded	
Front axle	34%
Rear axle	66%

