

# HD785-8

**EU Stage V Engine** 

## **OFF-HIGHWAY TRUCK**



**ENGINE POWER** 

895 kW / 1.200 HP @ 1.900 rpm

**NOMINAL PAYLOAD** 

92,2 metric tons

**BODY CAPACITY, HEAPED** 

60 m<sup>3</sup>

## Walk-Around





## **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
- NEWAdjustable auto idle shutdown
  - Variable horsepower control (VHPC) with mode selection system

#### First-Class Comfort

- Newly designed spacious, ergonomical cab
- Heated and ventilated air suspension seat
- NEWLow 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
- NEWHigh 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 multipledisc 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**

Komatsu SAA12V140E-7
Common rail direct injection, water-cooled, turbocharged,
after-cooled, cooled EGR diesel
1.900 rpm
895 kW/1.200 HP
849 kW/1.140 HP
12
140 × 165 mm
30,48

#### **ENVIRONMENT**

Engine emissions	Fully complies with EU Stage V
	exhaust emission regulations
Noise level,	72 dB(A)
LpA operator ear	(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	1.320 kW / 1.770 HP
(continuous)	
Brake surface	
Front	39.195 cm <sup>2</sup>
Rear	71.858 cm <sup>2</sup>

#### HYDRAULIC SYSTEM

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

#### **AXLES**

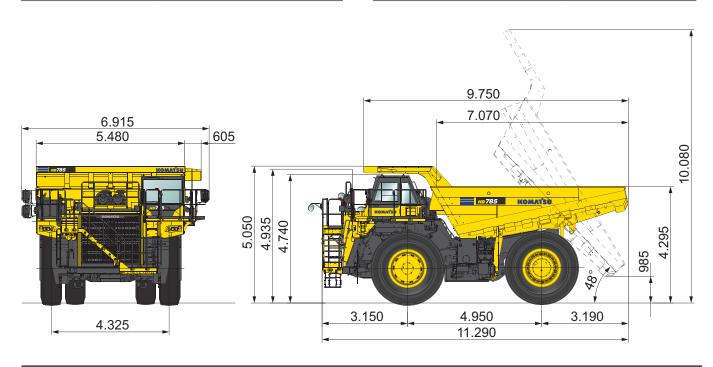
Final drive type	Planetary gear
Rear axle	Full-floating

#### **TYRES**

Standard tyres	27.00 R49
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#### **BODY**

Capacity	
Struck	40,0 m³
Heaped (2:1, SAE)	60,0 m <sup>3</sup>
Payload	92,2 metric tons
Material	130 kg/mm²
	high tensile strength steel
Material thickness	
Bottom	19 mm
Front	12 mm
Sides	9 mm
Target area (inside length × width)	7.070 mm x 5.150 mm
Heating	Exhaust heating



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