



OFF-HIGHWAY TRUCK



HORSEPOWER Gross: 775 HP 578 kW Net: 724 HP 540 kW **NOMINAL PAYLOAD** 61.0 US tons 55.0 metric tons **BODY CAPACITY** Heaped (SAE 2:1): 44.7 yd³ 34.2 m³

WALK-AROUND

PRODUCTIVITY FEATURES

- High performance Komatsu SAA6D170E-7 engine with increased horsepower (724 HP/540 kW)
- Variable Geometry Turbocharger (VGT) is hydraulically actuated to provide optimum air flow under all speed and load conditions
- Komatsu Diesel Particulate Filter (KDPF) reduces particulate matter while providing automatic regeneration that does not interfere with daily operation
- No use of Selective Catalytic Reduction (SCR) or Diesel Exhaust Fluid (DEF)
- 7-speed, fully automatic K-ATOMiCS transmission with skip shift function
- Automatic Retard Speed Control (ARSC)
- Rear oil cooled, multiple-disc brakes provide high retarding capability (802 kW 1,075 HP)
- Tight turning radius: 8.7 m 28' 7"



Photos may include optional equipment.

HORSEPOWER

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PRODUCTIVITY AND FUEL ECONOMY

Komatsu Traction Control System (KTCS) monitors for wheel spin and automatically applies independent brake assemblies for optimum traction in all ground conditions to improve productivity.

Komatsu's latest "on demand" energy saving technologies automatically adjust engine torque and hydraulic output according to demand, for smooth operation and improved fuel efficiency.

OPERATOR ENVIRONMENT

- · Air suspension, heated, ventilated seat
- · Angled front stairways with handrails for easy access
- Automatic climate control system
- · Ergonomically designed, spacious cab with excellent visibility
- · Heated rearview mirrors
- · Hydro-pneumatic suspension for a smooth ride
- Machine monitor with high resolution, seven-inch color Liquid Crystal Display (LCD) unit
- Rearview monitor system
- Three-point seat belt is standard
- Two 12 volt power outlets
- · Viscous cab mounts for a quiet, comfortable ride

ECOLOGY AND FUEL EFFICIENCY

- · Energy saving operation thanks to ecology guidance
- Fuel consumption reduced up to 12% compared to the HD465-7E0
- Komatsu auto idle shutdown helps reduce idle time and operating costs
- Komatsu SAA6D170E-7 engine is EPA Tier 4 Final emissions certified

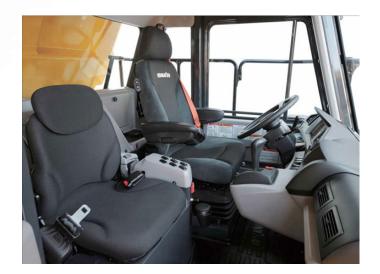
RELIABILITY FEATURES

- 10-10-20 payload policy
- High rigidity frame
- Integrated Payload Meter (PLM)
- · Komatsu designed and manufactured components
- Robust dump body design
- Supplementary steering, automatic
- · Secondary hydraulic brakes

MAINTENANCE FEATURES

- Advanced monitoring system with onboard diagnostics, no laptop required
- · Centralized, ground level, arrangement of filters and greasing points
- Engine compartment light
- Fast fuel fill coupler
- Hydraulically operated, reversible cooling fan
- KOMTRAX PLUS[®] allows remote access to maintenance and performance information
- Modular radiator core system





ECOLOGY & ECONOMY FEATURES

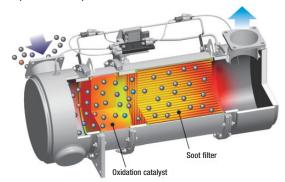
NEW ENGINE TECHNOLOGIES

Komatsu's New Emission Regulation-compliant Engine

Komatsu provides a powerful and efficient EPA Tier 4 Final certified engine with the latest emission control technologies and fuel saving features.

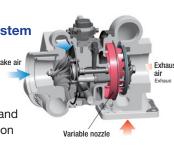
Heavy-Duty Aftertreatment System

The Komatsu Diesel Particulate Filters (KDPFs) capture more than 90% of Particulate Matter (PM). The KDPFs include a special oxidation catalyst to facilitate decomposition of most PM without operator action and no need to interrupt normal operation.



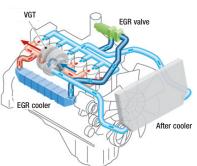
Variable Geometry Turbocharger (VGT) System

The VGT system uses proven, Komatsudesigned hydraulic technology for variable control of airflow, and supplies optimal air based on load conditions.



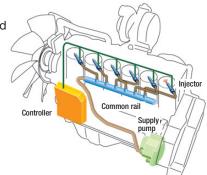
Heavy-Duty Cooled Exhaust Gas Recirculation

(EGR) System The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures. The system dramatically reduces NOx and lowers fuel consumption.



High Pressure Common Rail (HPCR) Fuel Injection System

The system is designed to achieve an optimal injection of highpressure fuel via computerized control, providing near-complete combustion to reduce PM emissions.



Energy Saving Operation

Ecology

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gauge

To support optimum operation, an easy-to-read ecology gauge is included at the LCD unit of the machine monitor. The ecology gauge indicates a momentary fuel consumption rate during operation. Operating the vehicle with the gauge in the green zone ensures the most energy efficient operation.

The monitor provides ecology guidance to the operator to help promote energy saving operation.

For example, if the operator stops the machine for a long period of time with the engine idling, the monitor will display the message "Avoid long time engine idling".

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Ecology guidance

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Fuel consumption gauge

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Low Fuel Consumption

The latest Komatsu "on demand" energy saving technologies achieve lower fuel consumption, while keeping high productivity.

- New variable displacement piston pumps for the steering & hoist circuits
- Improved transmission control hydraulic pressure management

Auto Idle Shutdown

When the engine is idling for a certain time (settings from five

to 60 minutes), the engine automatically stops to reduce unnecessary fuel consumption and exhaust emissions.



PERFORMANCE FEATURES

High Performance Komatsu SAA6D170E-7 Engine

The powerful and fuel-efficient Komatsu SAA6D170E-7 engine delivers **775 HP** 578 kW at 2000 rpm, approximately 5% more than the previous model. This assures better acceleration and shorter cycle time for improved productivity. Power train components are redesigned to accommodate the increased power.



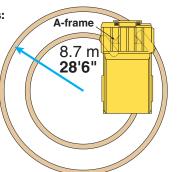
Long Wheelbase and Wide Tread

With an extra-long wheelbase, a wide tread and an exceptionally low center of gravity, the HD465-8 hauls the load at higher speed for greater productivity, and delivers superior driving comfort over rough terrain.

Small Turning Radius

The McPherson strut type front suspension has a special A-arm between each wheel and the main frame. The wider space created between the front wheels and the main frame increases the turning angle of the wheels. The larger turning angle correlates to a smaller turning radius.

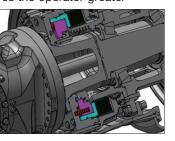




Fully Hydraulic Controlled Rear Oil Cooled Multiple-Disc Brakes and Retarder

Rear oil cooled multiple-disc brakes ensure highly reliable and stable brake performance. The large-capacity, continuously-oilcooled, multiple-disc brakes also function as a highly responsive retarder, which gives the operator greater

confidence at higher downhill speeds. Retarder Absorbing Capacity: 1,075 HP 802 kW



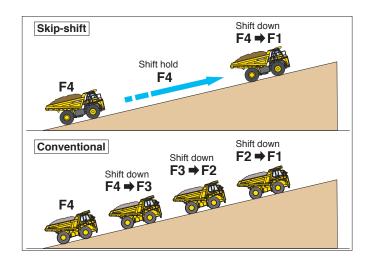
Komatsu Advanced Transmission with Optimum. Modulation Control System (K-ATOMiCS) with Skip Shift Function

Fully automatic control selects the optimum gear, according to vehicle speed and the engine speed. The shift point automatically changes, depending on the acceleration of the vehicle. This avoids unnecessary fuel consumption.



Skip shift function: Automatically selects a gear position, depending on the grade. This eliminates the need to shift down through each gear when

travelling uphill. It also reduces the number of downshifts, makes the driving smoother, improves the operator's comfort and reduces material spillage.



- SSHOL

Automatic Retard Speed Control (ARSC)

ARSC allows the operator to simply set the downhill travel speed at a constant speed. This allows the operator to concentrate on steering. The speed can be set at increments of **0.6 mph** 1km/h per click (+/- **3.1 mph** 5 km/h of maximum speed adjustment) to match the optimum speed for the slope. The retarder cooling oil is continuously monitored and the travel speed is automatically lowered if the oil temperature increases to a set limit.



KOMATSU

HD465

Automatic Idling Setting System

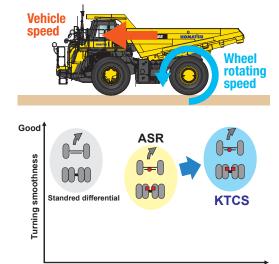
This system facilitates quick engine warm-up and operator cab cooling/warming. When turning the system ON, engine idle speed is kept at 1100 rpm, but is lowered to 750 rpm when the coolant temperature rises. Speed automatically returns to 1100 rpm when the coolant temperature drops.



Komatsu Traction Control System (KTCS)

New KTCS ensures optimum traction in soft or wet road conditions. The system monitors for wheel slippage at the rear axle, and an acceleration sensor allows determination of a high speed turn versus slippage.

If slippage is detected, the brakes are applied independently to each wheel set for optimum traction. This function occurs automatically without operator input and steering performance is not compromised, as with a differential lock system.

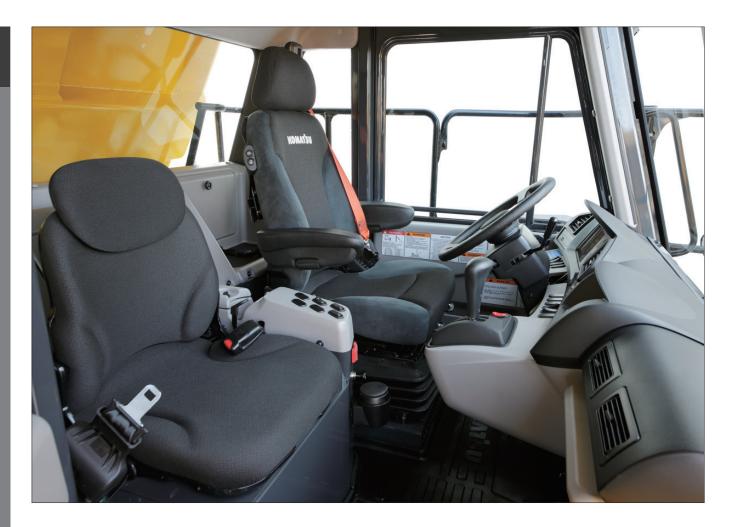


Travel effectiveness

KOMATSU

Good

OPERATOR COMFORT & ENVIRONMENT



Ergonomically Designed Cab

The ergonomically designed operator's compartment provides the operator a convenient control layout and comfortable environment for more confident operation and greater productivity.



Automatic Climate Control System

The automatic climate control system allows the operator to easily set and maintain a desired cab ambient temperature. Excellent heating/cooling capacity and air flow keep the cab environment comfortable throughout the year.



Radio with AUX Terminal

By connecting an auxiliary sound device to the input jack, the operator can listen to the sound through the speakers in the cab.



mining dump truck Komatsu HD785-8

Storage Spaces

Generous storage spaces are provided inside the cab. Glove box, lunch box tray, hot or cool box, and cup holder





Lunch box tray

Hot or cool box, cup holder

Air Suspension Seat

The heated and ventilated, air suspension, fabric-covered seat is adjustable to the operator's weight, and is provided as standard. The air suspension seat dampens vibrations transmitted from the machine to reduce operator fatigue. A three-point operator seat belt is standard.

Foldable Trainer Seat

The foldable trainer seat includes a two-point, retractable seat belt. Seat comfort has been significantly improved.



Tilt-Away Steering Column

The tilt steering column and telescopic steering wheel allow the operator to set the steering wheel to the desired position. The tilt mechanism incorporates a spring-assist for easy adjustment.



Low Noise Design

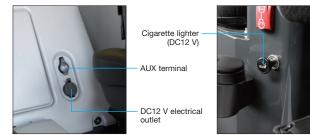
The spacious cab is mounted with large-capacity viscous mounts. The low-noise engine, hydraulically-driven fan and cab sealing provide a quiet, low-vibration and comfortable operating environment.

Noise Level at Operator's Ear: 77 dB(A) (ISO 6396)



DC12 V Outlet

Two DC12 V outlets are standard in the operator's cab. A 12 V cigarette lighter is located on the front side of the center console, and an additional 12 V outlet is located on the rear cover, behind the operator seat.



Electronic Hoist Control

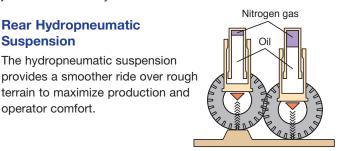
Rear Hydropneumatic

Suspension

operator comfort.

The hoist control lever has a short throw and can be operated with light effort. A "kick-out function" eliminates the need to hold the lever in the raise position. Body seating shock is significantly reduced by the use of a positioning sensor that reduces the lowering speed just before the body seats on the mainframe.



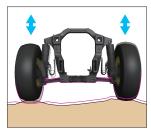


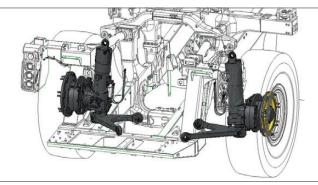
McPherson Strut Type Front

The hydropneumatic suspension

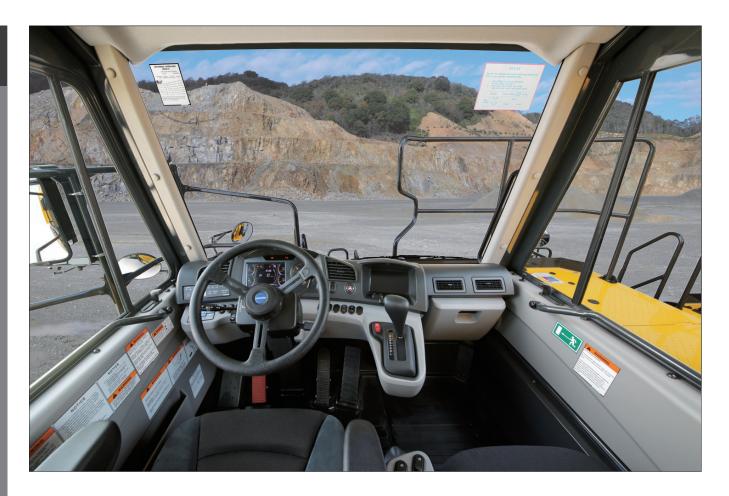
Suspension McPherson strut type indepen-

dent suspension is used on the front wheels. The linkage arrangement is a low friction design that allows the front wheels to follow uneven road surface smoothly for a comfortable ride.





GENERAL FEATURES



Rearview Monitor System

The operator can view behind the vehicle on the full color monitor, located on the right side of the dashboard. This monitor can be always ON, or only when the shift lever is in the reverse position. Visual distance guidelines can be added for the operator's convenience.







Rearview camera

Convenient Access

Inclined stairs with handrails provide easy access to the cab and service deck.

Dimpled Slip-Resistant Plates

Stairways and walkways are made with dimpled, slip-resistant plates for better traction.



Built-In ROPS/FOPS Cab

The operator cab structure conforms to the ISO 3471 ROPS standard, and ISO 3449 FOPS Level II standard.



Secondary Engine Shutdown Switch

A secondary engine shutdown switch is located in the cab for emergency use.

LED Rear Combination Lamps

LED lamps are standard for the rear combination lamps. The LED lamps feature long service life and excellent visibility.



Round Halogen Head Lamps

Round-shaped halogen lamps are used for the head lamps to provide increased lighting, compared to the previous truck model.

Turn signal lamp

Head lamp (High) Head lamp (Low)



Secondary Steering

The secondary steering system is automatically activated if the steering circuit hydraulic pressure lowers due to a hydraulic system failure. This can also be activated manually by the secondary steering switch in the cab. The pilot lamp on the LCD monitor tells the operator that the system is operable when turning the key switch on.





Secondary Brake

Secondary brakes are a standard feature. When the secondary brake pedal is depressed, a redundant hydraulic circuit applies the front brakes and the rear parking brakes.



Protection Functions Supported by Electronic Control

Item	Function
Downshift inhibitor	Even if the driver downshifts accidentally, the transmission gear is maintained until the vehicle speed becomes appropriate to the selected gear for preventing over-runs.
Over-run inhibitor	When descending grades, if the vehicle's speed surpasses the maximum speed for the current gear, the rear brakes are automatically activated, preventing over-runs.
Reverse inhibitor	The vehicle is prevented from shifting to reverse gear when operating the body.
Forward/Reverse shift inhibitor	This device makes it impossible to select a change in travel direction when the vehicle's speed exceeds 4 km/h.
Anti-hunting system	When running near the shift point, smooth travel is maintained by preventing unnecessary shifts up or down.
Neutral start interlock	The engine is prevented from starting when the shift lever is not in neutral.
Neutral coast inhibitor	It prevents the gear position from shifting to neutral while traveling over a certain speed, even if the shift lever is moved to the neutral position.

TECHNOLOGY

MACHINE MONITOR WITH LARGE HIGH RESOLUTION LCD UNIT

Machine Monitor

The machine monitor displays machine information and provides access to machine settings.

Switch panel

The switch panel is used to select various LCD screens and the air conditioner control screen. By using the switch panel, you can display user menus on the LCD screen and access machine settings and lighting conditions. A keypad provides simple and easy navigation to machine operation

information.

Large Multi-Lingual LCD Monitor

A large, user-friendly color monitor provides excellent screen visibility via a TFT liquid crystal display that is easily read at various angles and lighting conditions. A keypad provides simple and easy navigation to machine operation information.

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 1 Engine coolant temperature gauge
 ? Shift indicator

 2 Torque converter oil temperature gauge
 8 Retarder oil temperature gauge

 3 A/C display
 9 Fuel gauge

 4 Ecology gauge
 10 LED indicator

 5 Payload / clock
 11 Speedometer

 6 ARSC set travel speed
 12 Engine tachometer

1 Air conditioner (A/C) switches / Numeral key pad

2 Function switches

² Function swi

Maintenance Reminders

When the time remaining to the next scheduled maintenance is less than 30 hours*, the maintenance time monitor appears.

* The time can be set in the 10 to 200 hours range.

Troubleshooting Function

Various meters, gauges and warning functions are centrally arranged on the LCD unit. This unit facilitates the start-up inspection and promptly warns the operator with a lamp and a buzzer if any abnormality occurs. Each abnormal

condition is indicated in one of four recommended action levels.





499

Visual User Menu

Pressing the menu switch on the switch panel displays the user menu screen. The menus are grouped by their functions. Easy-to-understand icons enable intuitive use.





1 Energy saving guidance

- Operation records
- Average fuel consumption record
- Ecology guidance records
- Configurations

0	peration Records [1Day]	_	
Ê	Working Hours (Engine On)	0.0	h
	Average Fuel Consumption	10. 0	ℓ/h
	Actual Working Hours	0.0	h
	Ave Fuel Consumption (Actual Working)	10. 0	ℓ/h
	Fuel Consumption	0	l
Ţ	Idling Hours	0.0	h



2 Machine setting / information

• Radiator fan reverse mode • KTCS setting etc.



3 Aftertreatment regeneration

- Setting regeneration disable
- regeneration

• Operation of manual stationary

4 Maintenance

· Check and reset of various maintenance intervals

M	aintenance	Interval	Remain		
A	💭 Air Cleaner Cleaning or Change	_	_		
H	🙆 Engine Oil Change	500 h	499 h		
	👰 Engine Oil Filter Change	500 h	499 h		
	🗾 Fuel Prefilter Change	500 h	499 h		
T	🔍 T/M Oil Filter Change	500 h	499 h		

5 Monitor setting

- Language setting (27 languages)
- Rearview monitor setting
- Measurement unit setting

- Screen brightness adjustment
- etc.

	Ø 🧟 🐟 🕾 🖹 🖂	
P	💼 Rearview Monitor Setting	
	💭 Meter Display Selection	
	Screen Adjustment	
	🕘 Clock Adjustment	
Ŧ	A Language Setting	English

6 Mail check

RELIABILITY FEATURES

High-Rigidity Frame

Cast-steel components are used in critical areas of the main frame where loads and shocks are most concentrated.



Robust Dump Body Design

Dump bodies are made of high-tensile-strength steel for excellent rigidity and low maintenance cost. Major portions of the interior surface are made of abrasion resistant, HB400 steel for excellent wear characteristics. The V-bottom design contributes to the structural strength and enhanced machine stability by centering the load at a lower center of balance. The side and 19 mm thick bottom plates of the dump body are reinforced with lateral and longitudinal bolsters.

Bodies are offered with or without a steel liner package with 19 mm thick floor liners.



Payload Policy

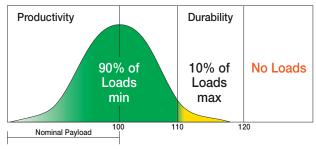
Purpose

Recognizing that variation occurs naturally in material density, fill factors, and loading equipment, Komatsu America Corp. deems it necessary to establish a consistent payload policy. This payload policy is intended to identify the guidelines and limitations for the loading of Komatsu mining trucks. Following this policy will provide the best combination of productivity and machine longevity.

Criteria

- 1) Monthly average payload must not exceed the target payload of the truck.
- 2) No less than 90% of all loads must be up to 110% of the target payload of the truck.
- No more than 10% of all loads may be between 110% and 120% of the target payload of the truck.
- 4) Any single load must not exceed 120% of the target payload of the truck.

Target payload: Rated gross vehicle weight - Empty vehicle weight (Include all attached options)



Percent of Target Payload

Integrated Payload Meter (PLM)

PLM is a tool to manage the hauling cycle payloads and to analyze the production volume and working conditions of the

dump truck for specific time periods. Loaded weight is shown on the payload display (on the LCD unit), and by the external display lamps in real time, while loading.



External display lamp



MAINTENANCE FEATURES

Centralized Arrangement of Filters

The filters are conveniently grouped for easy service.





Electric Circuit Breaker

Circuit breakers are used for important electric circuits that need to be restored quickly if a problem occurs in the electrical system.

Centralized Greasing Points

Greasing points are centralized at three locations. Each of these locations is accessible from ground level.

Electric Priming Pump

An electric engine priming pump is standard.





Ground Accessible Battery Compartment

The battery compartment is located at ground level to facilitate daily checks and battery replacement.

Battery Disconnect Switch

For service work, a battery disconnect switch is located on the right side of the battery compartment, and is accessible from ground level.





Extended Oil Change Intervals

Long oil change intervals minimize operating cost.

- Engine oil 500 hours Hydraulic oil 4000 hours
- Transmission oil 1000 hours

Reversible Fan

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The radiator fan is hydraulically driven and reversible. The fan reverse mode can be controlled from the monitor.

Machine Setting and Information	
Radiator Fan Reverse Mode	Normal
😕 Payload Meter	
Reverse Travel Odometer	0. 0 km
En Trip Meter	0. 0 km
🗸 🎦 F 1 Start at D Position Setting	F 1



Modular Radiator Core System The radiator assembly consists of three cores, and each core can be independently replaced without removing the entire assembly.

KOMATSU

mining dump truck Komatsu HD785-8

KOMA

KOMATSU PARTS & SERVICE SUPPORT



Complimentary Scheduled Maintenance

- Complimentary scheduled engine maintenance for 3 years or 2,000 hours, whichever comes first
- Service is performed by factory certified technicians using Komatsu Genuine parts and fluids
- Significantly reduce ownership costs and increase reliability and uptime
- Increase resale value with detailed maintenance records and transferable program benefits

Complimentary KDPF Exchange

- Covers exchange of both KDPF assemblies within the first five years at the exchange interval of 4,500 hours*
- Assurance of factory certified KDPF cleanings
- Reduced downtime from exchange

PM Interval	500	1000	1500	2000
PERFORM KOWA SAMPLING (6 samples) – engine, transmission, hydraulic, L & R final drive, rear differential	~	~	~	~
CLEAN AIR CLEANER ELEMENT	\checkmark	✓	\checkmark	\checkmark
DRAIN WATER AND SEDIMENT FROM FUEL TANK	1	~	~	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	~	~	~	~
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	1	~	~	✓
CHANGE ENGINE OIL	~	✓	✓	\checkmark
REPLACE ENGINE OIL FILTER	 ✓ 	✓	\checkmark	\checkmark
REPLACE FUEL PRE-FILTER	 ✓ 	✓	\checkmark	\checkmark
REPLACE FUEL MAIN FILTER		✓		\checkmark
REPLACE KCCV FILTER				\checkmark
FACTORY TRAINED TECHNICIAN LABOR	\checkmark	✓	\checkmark	\checkmark
2 KDPF Exchanges at 4,500 Hrs				

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu[®] and Komatsu Care[®] are registered trademarks of Komatsu Ltd. Copyright 2017 Komatsu America Corp.

Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

HDAGE-3

KOMTRAX EQUIPMENT MONITORING



- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX continuously monitors and records machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history lowering owning and operating cost



 KOMTRAX is standard equipment on all Komatsu construction products



- Know when your machines are running or idling and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to know when maintenance is due and help you plan for future maintenance needs



- KOMTRAX data can be accessed virtually anywhere through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications



- Knowledge is power make informed decisions to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- Take control of your equipment
 any time, anywhere

Monthly Operational Analysis



K@MTRAX Plus®

Assists Customer's Equipment Management and Contributes to Fuel Cost Cutting

Equipment Management Support

KOMTRAX Plus enables expanded monitoring of the fleet via satellite and wireless LAN. Users can analyze "machine health" and performance from a remote location, on a near-real time basis. This includes component condition and trend data. By making this critical information readily accessible, KOMTRAX Plus is an effective tool in maximizing productivity and lowering operating costs.

SPECIFICATIONS



ENGINE

ModelKomatsu SAA6D170E-7* TypeWater-cooled, 4-cycle AspirationVariable geometry, turbo-charged, air-to-air after-cooled, cooled Exhaust Gas Recirculation (EGR)
Number of cylinders
Bore
Stroke
Piston displacement23.15 ltr 1,413 in ³
Horsepower:
SAE J1995Gross 578 kW 775 HP
ISO 9249 / SAE J1349 Net 540 kW 724 HP
Rated rpm
Fan drive typeHydraulic
Maximum torque 372 kg•m 2,688 ft lbs
Fuel systemDirect injection
GovernorElectronically controlled
Lubrication system:
Method
Air cleaner Dry type with double elements and precleaner (cyclone pack type), and evacuator valve

*EPA Tier 4 Final emissions certified

TRANSMISSION

	Three-elements, one-stage, two-phase
	Seven speeds forward and one reverse
Lockup clutch	
Forward	Torque converter drive in 1st gear,
direc	t drive in 1st lockup and all higher gears
Reverse	Torque converter drive
Shift control	Electronic shift control with automatic
	clutch modulation in all gear
Maximum travel speed	70.0 km/h 43.5 mph

-**-**-

Full-floating
3.538

SUSPENSION SYSTEM

Independent, hydro-pneumatic suspension cylinder with fixed	
throttle to dampen vibration	
Effective cylinder stroke (front suspension) 303 mm 11.9"	
Rear axle oscillation:	
Oil stopper 6.8°	
Mechanical stopper7.7°	

STEERING SYSTEM

Туре	Fully hydraulic power steering
	with two double-acting cylinders
Supplementary steering	Manually controlled
	(meets ISO 5010)
Minimum turning radius	8.7 m 28' 6"
Maximum steering angle	

CAB

Dimensions comply with ISO 3471 ROPS (Roll-Over Protective Structure) standards.

Brakes meet ISO 3450 standards. Service brakes: FrontDry type, single disc type full hydraulic Rear Oil cooled, multiple disc type full hydraulic Parking brake... Oil cooled, multiple disc type, spring operated, hydraulic releasing type Retarder.....Oil cooled, multiple disc type full hydraulic Secondary brakeManual pedal operation when hydraulic pressure drops below the rated level, parking brake is automatically actuated





..... Box-sectioned structure

BODY

Capacity: Struck25.0 m ³ 32.7 yd ³
Heaped (2:1 SAE) 34.2 m ³ 44.7 yd ³
Payload
Material 130 kg/mm ² 184,900 psi
high tensile strength steel
Material thickness:
Bottom
Front12 mm 0.47 "
Sides
Target area
(inside length x width) 6450 mm x 3870 mm 21' 2" x 12' 8"
Height at full dump
HeatingExhaust heating

°. D) HYDRAULIC SYSTEM

Hoist cylinder	Twin, two-stage telescopic type
Relief pressure	20.6 MPa 210 kg/cm ² 2,990 psi
Hoist time	11.5 sec

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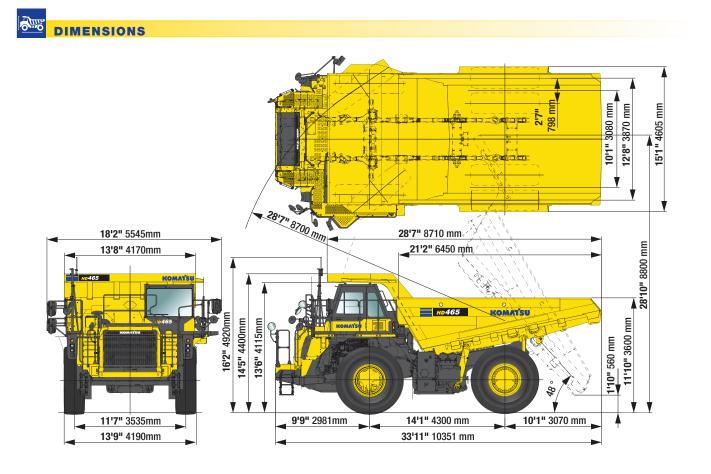
WEIGHT (APPROXIMA	TE)
Empty weight	48420 kg 106,748 lbs
Nominal gross vehicle weight:	
Standard tire	103500 kg 228,178 lbs
*Max. gross vehicle weight:	
Standard tire	14500 kg 252,429 lbs
Weight distribution:	
Empty: Front axle	
Rear axle	
Loaded: Front axle	
Rear axle	
*When payloads are managed per Komatsu's	10-10-20 payload policy



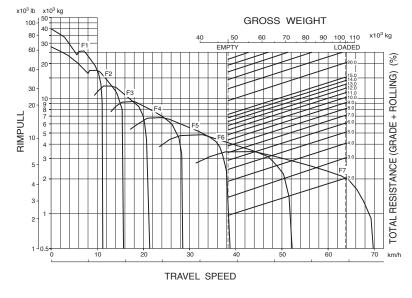
Standa	rd tire	24.00 R35
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SERVICE REFILL CAPACITIES

Fuel tank	800 ltr 211.3 U.S. gal
Engine oil	80 ltr 21.1 U.S. gal
Torque converter, transmission and	
retarder cooling	215 L 56.8 U.S. gal
Differential	
Final drives (total)	42 L 11.1 U.S. gal
Hydraulic system	149 L 39.4 U.S. gal
Suspension (total)	66.2 L 17.5 U.S. gal



TRAVEL PERFORMANCE



BRAKE PERFORMANCE

SLOPE DISTANCE : CONTINUOUS DESCENT GROSS WEIGHT

80 100 120 140 160 180 200 x10³ kg 0 20 40 60 FMPT LOADED -20 (%) ੱਸ ਨੂੰ ਨੂੰ ਨੂੰ TOTAL RESISTANCE (GRADE + ROLLING) F1 F2 F3 ₽6 Ė7 20 70 80 90 100 km/h 40 60 10 30 50 0 TRAVEL SPEED

At ambient temperature 104°F 40°C Retarder performance varies depending on ambient temperature.

STANDARD EQUIPMENT FOR BASE MACHINE

ENGINE:

- Air cleaner, dry type, two stage (qty two)Automatic Idling Setting System (AISS)
- Auto Idle Shutdown
- Electric priming fuel pump
- Engine secondary stop switch
- Engine, Komatsu SAA6D170E-7, six cylinder, turbocharged, air/air aftercooled, EGR cooled, diesel; Gross HP (SAE J1995): 775HP (578kW) / 2000 RPM; Net HP (ISO 9249/SAE J1349): 724HP (540 kW) / 2000 RPM Ean hydraulically driven reversible
- Komatsu Diesel Particulate Filter (KDPF) (qty two)
- Starting aid, intake manifold pre-heater
- Variable geometry turbocharger

ELECTRICAL SYSTEM:

- Alternator, 90 ampere, 24 volt
- Back-up alarm
- Batteries, 4 x 12 volt 240 Ah, 910 CCA
- Battery disconnect switch
- Emergency stop switch, ground level
- Horn, electric
- Lights

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- Access ladder lamp
- Back-up light, rear
- Engine compartment light
- Fog lights
- Head lights, halogen (high and low beam)
- Side working lights, LH and RH
- Stop and tail lights (LED)
- Turn signal, (two front, two rear)(LED) with hazard switch
- Starter isolator
- Starting motors, 2 x 7.5 kW direct electric 24V

POWER TRAIN AND CONTROLS:

- Seven-speed transmission, fully automatic with K-ATOMiCS
- Komatsu Traction Control System (KTCS)
- Front brake, dry type, single disc type, full hydraulic
- Parking brake, oil cooled, multiple disc type, spring operated, hydraulic releasing type
- Rear brake, oil cooled, multiple disc type, full hydraulic
- Skip shift function

OPERATOR ENVIRONMENT:

- Cab, with built in ROPS/FOPS
- 12 Volt outlet (qty two)
- Automatic climate control system with cab pressurization
- Auxiliary steering system
- Beverage holder (qty two)
- Body hoist control, electric
- Cigarette lighter and ashtray
- Dome light and reading light
- Door, LH and RH
- Lunch box tray and storage trays
- Machine monitor with seven-inch color LCD display

- Operator seat, air suspension type, heated, ventilated, with three-point retractable seat belt (3" 75 mm wide lap belt and 2" 50 mm wide, high visibility shoulder belt)
- Power windows, LH and RH
- Radio, AM/FM with aux terminal
- Rearview mirror, outside cab mount, heated (LH & RH)
- Rearview monitoring system with dedicated monitor
- Steering wheel, tilt and telescopic
- Sun visor (qty two)
- Tinted glass (front, laminated glass)
- Trainer seat, folding, with two-point retractable seat belt (3" 75 mm wide) Wiper/washer, front, with intermittent setting

GUARD AND COVER GROUP:

- Catwalk with handrails
- Deck rail
- Driveline guards, front & rear
- Engine underguard
- Exhaust thermal guard
- Front handrail, over radiator
- Mudguards
- Transmission underguard

MONITORING SYSTEM, ELECTRONIC DISPLAY ITEMS:

- Instrument panel gauges
- Coolant temperature
- Hour meter (service meter)
- Retarder oil temperature
- Speedometer with odometer
- Tachometer
- Torque converter oil temperature
- Warning lights
- Engine coolant temperature
- Engine coolant level
- Engine oil pressure
- Parking brake
- Retarder oil temperature
- Torque converter oil temperature

OTHER:

- Anchor points, tie off type (ISO 14567)
- Angled front stairs with hand rails
- Automatic retarder speed control (ARSC)
- Centralized lube block
- Dump counter
- Ecology guidance and ecology gauge Fast-fill coupler for fuel tank
- Filler cap and cover locks
- Front brake cut-off system
- Hydropneumatic suspension (front & rear)
- Less body (must select body)
- Machine immobilization switch
- Mirror, rearview, underview
- PM service connectors
- Rock ejector bars

TIRES (24.00 R35): Michelin XDTB

Michelin X-Traction Super Terrain

Bridgestone VRLS

Michelin X-Quarry

- KOMTRAX Plus[®] telematics package with integrated payload meter (PLM), satellite communication and WiFi
- Wheel chocks with storage brackets

OPTIONAL EQUIPMENT

Alternate exhaust configuration (RH side discharge)

KOMATSU®

BODY: Body

Body liner