KOMATSU

ELECTRIC DUMP TRUCK



HORSEPOWER Gross: 2,610 kW 3,500 hp

NOMINAL GVW 627,999 kg 1,384,500 lb



ORIGIN EE. UU. / KAC

Photos may include optional equipment

WALK-AROUND





*Photo may include optional equipment.

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»Productivity

»High performance Komatsu SSDA18V170 engine gross horsepower 2,610 kW 3,500 hp.
»Dual IGBT AC electric drive system.
»4,474 kW 6,000 hp retarding.
»Traction (spin-slide) control.
»Cruise control.
»Komatsu designed application specific body.
»Tight turning radius 15.9 m 52' 2".
»Payload Meter IV[®] (PLM IV).
»High torque for soft underfoot applications.

See pages 4 and 5.

»Operator environment

 »Ergonomically designed spacious cab with excellent visibility.
 »Fully adjustable driving position settings.
 »Four post ROPS/FOPS level 2 cab.
 »User friendly display with payload information.
 »Komatsu Hydrair® II suspensions designed for optimum ride comfort.
 »AM/FM/CD/MP3/USB/weather band radio.
 »Optional KomVision™ all around monitoring system.

See page 7.

»Reliability

»Frame design optimized for 363 metric ton 400 short ton payload.

»Simple and reliable hydraulic system.

- »Steering and brake accumulators.
- »Hydraulically actuated multiple-disc wet brakes (all four wheels).

See pages 8 and 9.

»Easy maintenance

»KOMTRAX Plus 2[®] allows immediate diagnostics of key engine, chassis, and drive system components.
»Oil-cooled wet disc braking system reduces wear and extends component replacement intervals.
»Automatic lubrication system.
»Eliminator[®] oil filtration system.
»Flange mounted rims with optional Komatsu smart type rims.
»In-tank fast fuel & DEF fill system.

See page 10.

»Environmentally friendly

 »Komatsu SSDA18V170 engine with after-treatment meets U.S. EPA Tier 4 Final emissions regulations.
 »For the Latin American market, the engine can be configured without aftertreatment, not certified.
 »Fuel efficient engine.
 »Less fluids compared to mechanical drive trucks.

See page 12.



*Photo may include optional equipment.



PRODUCTIVITY FEATURES

»Komatsu high horsepower engine

»The 2,610 kW 3,500 hp Komatsu SSDA18V170 engine will operate in most of today's mining applications without experiencing power derate. Fuel efficiency is maximized due to optimized air handling with two-stage turbocharging. Standard features include:

- A standard pre-lube system designed to reduce start-up wear and increase overhaul life.
- CENSE® on board monitoring of engine performance for each cylinder.
- ELIMINATOR[®] filtration system reduces oil and filter changes by one-third.

»AC electric drive system

»The GTA39 traction alternator coupled with GDY108C wheelmotors and Invertex II® AC control system provides

reliable performance and easy maintenance. Invertex II® offers independent control of the rear wheelmotors, which in turn provides outstanding traction-ability during wet and slippery conditions, thus improving tire wear and operator confidence. The air cooled Insulated Gate Bipolar Transistor (IGBT) inverter system technology provides the highest available reliability. The IGBT inverter is more compact and much simpler than the design of its predecessor, the Gate Turn Off (GTO) inverter, which

»Electric dynamic retarder

improves serviceability and routine maintenance.

»The 4,474 kW 6,000 hp retarding system provides state of the art braking capacity for navigating today's mining applications which contain steep continuous descents and sharp switch-backs. Continuous retarding capacity enhances the productivity of the vehicle operator, while eliminating the need for excessive mechanical braking effort.



*Photo may include optional equipment.

ELECTRIC DUMP TRUCK 980E-5

»Traction (spin-slide) control

»During slippery conditions, the 980E-5 wheel traction control technology detects and corrects wheel spin or slide events. Traction control operates automatically and independently of the service brakes. During propulsion, "Wheel Slip Control" reduces non-productive wheel spin in low traction conditions. During retarding, "Wheel Slide Control" prevents wheel lockup and subsequent sliding.

»Cruise control

»Cruise control, both in propulsion and retarding, allows the operator to concentrate on steering and situational awareness while maintaining a constant speed. A set speed indicator provides confirmation the truck speed matches the desired speed selected by the operator, with simple automotive style controls.

»Komatsu designed application specific body

»Utilizing the required Body Worksheet (BW) process, Komatsu ensures that each body is designed to meet the requirements for each specific application while carrying its rated payload. Komatsu works with each customer to understand all of the material properties at a mine site and to identify the appropriate liner package.

Komatsu offers a standard all-welded steel, flat floor body with a full canopy and horizontal bolsters. This body includes a driver side eyebrow, body up sling, and rubber mounts on the frame.

- Standard body SAE heaped 2:1: 250 m³ 327 yd³.
- Standard Komatsu body weight: 42,638 kg 94,000 lbs.



*Photo may include optional equipment.

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*Photo may include optional equipment.

»Tight turning radius

»By using double acting hydraulic steering cylinders with a six-point articulation linkage, the 980E-5 power steering system provides positive steering control with minimal operator effort. The turning radius of the 980E-5 is 15.9 m 52'2", which provides excellent maneuverability for tight loading and dumping conditions. The steering accumulators comply with ISO-5010 standards.

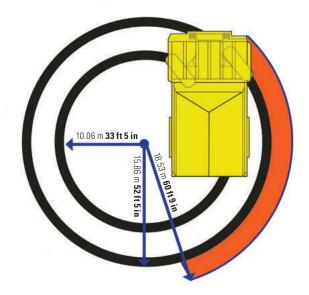
»Payload meter IV (PLM IV®)

»PLM IV[®] is an electronic system that monitors and records payload information for Komatsu's off-highway mining trucks. The accurate and reliable payload measurement system is designed to help optimize payload, maximize productivity and reduce the life cycle cost of the machine. PLM IV[®] tracks and records the following key production parameters:

- Payload.
- Empty carry-back.
- Operator identification.
- Haul cycle, loading, dumping time and date.
- Distance traveled (loaded and empty).
- Cycle time information.
- Maximum speeds (loaded and empty).
- TMPH estimate for front and rear tires.
- Average speed (loaded and empty).

»Hydrair II[®] hydropneumatic suspension

»Hydrair II[®] is a suspension system that utilizes four nitrogenover-oil cylinders. This suspension system is designed to maximize machine productivity by providing the operator with a smooth and comfortable ride. By absorbing shocks to the chassis during operation, Hydrair II[®] contributes to the durability of the machine's frame and components.





ELECTRIC DUMP TRUCK 980E-5

OPERATOR ENVIRONMENT

»Ergonomically designed cab

»The Komatsu 980E-5 cab design provides a comfortable and productive environment to meet today's mining demands. The cab includes tinted safety glass windows, heating and air conditioning, acoustical insulation, double sealed doors, and filtered and pressurized air to reduce dust.

»User friendly display

»The 980E-5 comes with a new operator friendly dash configuration which includes lighted gauges, switches and information panel. This allows the operator to see the status of the machine during operation and informs them of any faults. An instructive message will appear after any fault is detected on the machine.

»Operator seat

»Komatsu recognizes that operator comfort is a key to productivity in today's mining environment. The five-way adjustable operator seat and the tilt-telescopic steering column provide an optimum driving posture for increased operator comfort and control over the machine. The air suspension seat absorbs vibrations transmitted from the machine, reducing operator fatigue. A 51 mm 2 in wide, blaze orange, three-point seat belt is provided as standard equipment.

»Built-in ROPS and FOPS structure

»These structures conform to ISO standards 3471 and 3449.



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RELIABILITY FEATURES

»Structurally enhanced frame design

»By using advanced computer-aided design, finite element analysis, and full-scale dynamic testing, the frame has been designed to carry 363 metric tons 400 short tons and provides the high structural reliability Komatsu is known for.

»Castings used in high stress areas

»To increase frame reliability, steel castings have been incorporated at key frame pivot points and critical load bearing portions of the structure. This includes the rear body pivot and horsecollar sections.



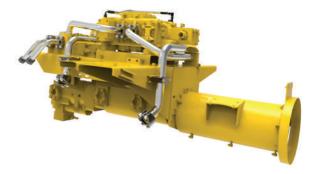
»Simple and reliable hydraulic system

»The hydraulic system is a proven and reliable design with fewer parts than other OEMs. The system utilizes a single tank, providing one common source of fluid for steering, braking, and hoisting. In-line, replaceable filtration elements provide protection from hydraulic system contamination, making the system easier to service.

To keep downtime to a minimum, Komatsu developed a sub-frame pump module that can be removed and replaced as a single unit. This reduces change-out time and allows easy access to the hydraulic pump module.

»Proven wheel motor design

»The GDY108C wheel motor builds on the success of its predecessor. Held to the highest standards, the transmission was subjected to extensive testing and quality confirmation, both on the bench and in the field. A full scale bench durability test was conducted during development to evaluate design quality prior to production. By using planetary design, extensive machining is not required during a standard rebuild.





»Evolutionary, not revolutionary design

»Komatsu's Tier 4 solution begins with a base engine which is similar to previous MCRS engine platforms. In keeping the basic operation of the engine the same, durability is assured. Utilizing high pressure common rail fuel delivery ensures atomization of the fuel/air mixture to a level which reduces particulate matter, meeting U.S. EPA Tier 4 standards.



»Komatsu after-treatment

»Removal of NOx is accomplished by treating the exhaust through Selective Catalytic Reduction (SCR). The introduction of Diesel Exhaust Fluid (DEF) into the SCR canister generates a chemical reaction which breaks down the oxides of nitrogen into oxygen and nitrogen, both non-pollutants. Internal cleaning of the SCR is performed through an automatic process.



»Fully hydraulic controlled multiple-disc wet brakes

»Although the dynamic retarding system is the primary braking force, the 980E-5 comes standard with four-wheel, hydraulically actuated, oil cooled service brakes. In the event that the truck's hydraulic system pressure drops below an acceptable level, accumulator tanks will automatically apply all wheel brakes to bring the truck to a complete stop.

• Max. service apply pressure: 18,960 kPa 2,750 psi.

• Total friction area per brake: 103,729 cm² 16,078 in².

The oil cooled brake system provides lower maintenance costs and higher reliability versus dry disc brakes. This system is fully sealed to help keep contaminants out and reduce brake wear and maintenance. The brakes are hydraulically actuated; no neumatic system is used. There are three independent hydraulic circuits that provide hydraulic back-up.

The 980E-5 braking system meets ISO 3450-2011.



*Photo may include optional equipment.



EASY MAINTENANCE

»Extended engine oil change

»ELIMINATOR[®] is a self-cleaning filtration system that offers extended filter change intervals and superior serviceability.

»Access, service and convenience

»Located on the front left bumper adjacent to the main entry to the machine, Komatsu installs many service and convenience items. This central location simplifies maintenance events, reducing the time the truck is out of service for routine upkeep.

- - Auto-lubrication tank and controls.
- Power, starter and drive system lockout. 2 (lock-out/tag-out capable switches).
- Ground level engine shut-down.
- Fluid service center. (coolant, engine oil, hydraulic oil, grease fill).
- 5 Hydraulic step up/down switch. (hydraulic stairs are optional).



»Komtrax Plus 2®

»As part of a complete service and support program, Komatsu equips every mining and quarry sized machine with KOMTRAX Plus 2[®]. By using a satellite-based communication system, KOMTRAX Plus 2[®] offers a new vision of monitoring your valuable assets. By providing insight to critical operating metrics the user can manage increased availability, lower owning and operating costs and maximize fuel efficiency.

The information available through KOMTRAX Plus 2® allows service personnel to review faults and trends, improve the quality of the troubleshooting process and reduce unscheduled machine downtime.



»(optional) Komatsu smart type rims

»Komatsu smart rim technology allows easy removal and installation of the tires to minimize the overall impact on downtime



DRIVE SYSTEM

»Drive system (Invertex II)

- True quad chopper eliminates RP contactors.
- Double stack IGBT's.
- Increased cabinet rigidity.
- Front placement of indicator & interface panels.
- Front access for maintenance.
- All LED lighting.

Improved bus bar

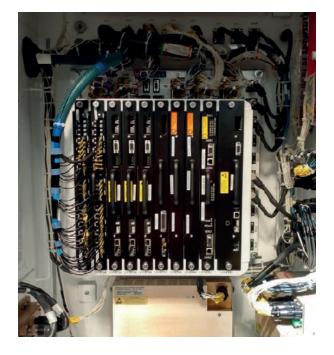
- Close molded design-eliminates potting.
- No soldered bushings.
- Edge protection.
- FR4 & abrasion protection.
- Simplified, more robust bus bar design.

»Improved truck performance

- Retains wheel slip/slide control in all modes of operation.
- Cruise control (both motoring & retarding).
- Fuel saver 2 built-in.

Technology advancements

- Supports data collection & transmission for remote monitoring.
- New generation technology for faster processing with higher capacity (90% faster data transfer).
- Common CAN network consists of engine, truck & drive system.
- Supports CAN, ethernet & USB.



»VID display

- Replaces DID panel.
- In-cab touch screen display for setup, maintenance & troubleshooting.
- Access, download & update system from the operators cab.
- Entry to control cabinet no longer required for basic troubleshooting.

Events	Tests	Dat	a	Setting	s Sy	/stem	Lang	uage
Ver: 6.09a	Truck ID: 4	2415 (DEM: Ko	omatsu	Model: 8	30E-5		
Status:		ок	Active F	aults:	Drive:	0 E	ingine:	0
Mode:	P	ROPEL	No Act	ve Drive	Faults			
Speed Limit:		40.0						
Payload:		319						
Engine Speed:		1800						\downarrow
Battery Volts:		27.5						
Link Volts:		1199						
Control Group Blo	wer (RPM):	3600						
Wheel Motor Blow	er (RPM):	3600						
Grid Blower 1 (RP	M):	879						
Grid Blower 2 (RP	M):	879						
NORETARD NOPR	OP SPDL	IM LI	MP (CONTRET	TRAC-DIS	5 CHOP	DIS C	BI-DIS

»WebPTU

- Replaces wPTU.
- Primary maintenance & troubleshooting tool for all future systems.
- Browser based access & visualization of truck system data.
- Eliminates dependency on legacy PC's & operating systems.
- Accessible in operators cab via ethernet.



ADDITIONAL FEATURES

Environmentally friendly

»Less fluids than mechanical drives

»Komatsu's 980E-5 contains 63% less hydraulic fluid compared to similar class mechanical drive trucks, creating a lower environmental impact and making fluid replacement simpler, quicker and more economical.

»U.S. EPA compliant

The Komatsu SSDA18V170 engine is compliant with the U.S. EPA Tier 4 emissions regulations.

»Reduced fuel consumption

The engine and drive system are specifically tuned together, providing efficient power usage and minimizing fuel consumption.

Komatsu loading policy for mining trucks

In normal loading operations, variations in payloads occur. The loading policy identifies the guidelines and limitations for the loading of those Komatsu Mining Truck models specified.

»Definitions:

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- Rated GVW (gross vehicle weight) includes the chassis, body, tires, accessories (including local options), lube, fuel, operator, payload and any excess material build-up.
- Rated payload is the resultant difference of rated GVW minus EVW.
- **Overload** refers to any payload amount in excess of the rated payload.
- Never to exceed GVW is the maximum allow able GVW under the guidelines of this policy.

Actual payloads greater than the rated payload are allowable, but shall not result in a GVW that is greater than the never to exceed GVW.

No single payload that results in a GVW in excess of the never to exceed GVW is allowed under any circumstances.

The mean of all payloads for a rolling 30-day period shall not exceed the rated payload.

Truck model	980E-5		
Specification	kg	lb	
Rated GVW	627,999	1,384,500	
Standard tire size	59/80R63		
Rated/nominal payload	362,874	800,000	
Never to exceed GVW	700,573	1,544,500	

SPECIFICATIONS



INGINE MAKE AND MODEL Komatsu SSDA18V170. FUEL Diesel. NUMBER OF CYLINDERS 18. OPERATING CYCLE 4 cycle. GROSS HORSEPOWER* 2,610 kW 3,500 hp @ 1,800 rpm. NET FLYWEEL POWER** 2,495 kW 3,346 hp @ 1,800 rpm. WEIGHT (WET) 11,750 kg 25,897 lbs.

WEIGHT (DRY) 11,250 kg 24,795 lbs. Optional: Tier 4 emissions compliant engine for North American market. Non-emissionized engine for markets outside of North America. *Gross horsepower is the output of the engine as installed in this machine, at governed rpm and with engine manufacturer's approved fuel setting. Accessory losses included are water pump, fuel pump and oil pump.

**Net flywheel power is the rated power at the engine flywheel minus the average accessory losses. Accessories include fan and charging alternator. Rating(s) represent net engine performance in accordance with SAE J1349 conditions.



AC/DC CURRENT:	
ALTERNATOR	GTA-39.
DUAL FAN MAIN BLOWER	340 m³/min 12,000 cfm.
CONTROL	AC torque control system.
MOTORIZED WHEELS*	GDY108-C induction traction motors.
RATIO	35.02:1.
SPEED (MAXIMUM)	64 km/h 40 mph.
*Drive system performance depends upon gros	s vehicle weight, haul road grade, haul road length

h. rolling resistance and other parameters. Komatsu must analyze each job condition to assure proper application.



ROCK SERVICE, TUBELESS, RADIAL TIRES:			
STANDARD TIRE*	59/80 R63.		
FLANGE MOUNT, FIVE PIECE RIM	1,118 mm x 1,600 mm x 140 mm.		
	44'' x 63'' x 5.5'' rim assembly.		
RIMS RATED AT 758 KPA 110 PSI			
COLD INFLATION PRESSURE:			
TYPICAL TOTAL TIRE WEIGHT	32,585 kg 71,838 lbs.		
*Tires should meet application requirements for tkph/tmph, tread,			
compound, inflation pressure, ply rating or equivalent, etc.			



Advanced operator environment with integral 4-post ROPS/FOPS level 2 structure (ISO 3449), adjustable air suspension seat w/lumbar support and arm rests, full-size passenger seat, maximum R-value insulation, tilt and telescoping steering column, electric windshield wipers w/washer, tinted safety glass, power windows, Payload Meter IV, 55,000 Btu/hr heater and defroster, 21,600 Btu/hr air conditioning (HFC-134A refrigerant).



VARIABLE RATE HYDRO-PNEUMATIC WITH INTEGRAL REBOUND CONTROL: MAX. FRONT STROKE 303 mm 11.92" MAX. REAR STROKE 239 mm 9.40" MAX. REAR AXLE OSCILLATION ±6.5%

FRAME

Advanced technology, full butt-welded box sectional ladder-type frame with integral ROPS supports, integral front bumper, rear tubular cross members, steel castings at all critical stress

transition zones, rugged continuous horsecollar.				
PLATE MATERIAL	482.6 MPa 70,000 psi tensile strength steel.			
CASTING MATERIAL	620.5 MPa 90,000 psi tensile strength steel.			
RAIL WIDTH	305 mm 12".			
RAIL DEPTH (MINIMUM)	864 mm 34''.			
TOP AND BOTTOM PLATE THICKNESS	45 mm 1.77''.			
SIDE PLATE THICKNESS	25 mm 0.98" Rear. 32 mm 1.26" Front.			
DRIVE AXLE MOUNTING	Pin and spherical bushing.			
DRIVE AXLE ALIGNMENT	Swing link between frame and axle.			



All-welded steel flat floor body with horizontal bolsters and full canopy. Rubber mounts on frame, eyebrow and body up sling are standard. Extended canopy and pivot exhaust heating are optional.

FLOOR SHEET	16 mm 0.63'' outer. 19 mm 0.75'' center.
	1,379 MPa 200,000 psi tensile strength steel.
FRONT SHEET	10 mm 0.39'' outer. 12 mm 0.47'' center.
	1,379 MPa 200,000 psi tensile strength steel.
SIDE SHEETS	10 mm 0.39''.
	1,379 MPa 200,000 psi tensile strength steel.
CANOPY SHEET	6 mm 0.24''.
	690 MPa 100,000 psi tensile strength steel.
SAE HEAPED 2:1	250 m ³ 327 yd ³ .
STANDARD KOMATSU BODY WEIGHT	41,731 kg 92,000 lb.





	BRAKING STSTEM	
SERVICE BRAKES		Oil-cooled, hydraulic actuated, multiple disc
		brakes at each wheel.
	TRACTION SYSTEM	Wheel spin-slide control.
	MAX. SERVICE APPLY PRESSURE	18,960 kPa 2,750 psi.
	TOTAL FRICTION AREA PER BRAKE	103,729 cm ² 16,078 in ² .
	AUTO APPLY SYSTEM	Automatically applied prior to hydraulic system
		pressure dropping below level required
		secondary stopping requirements.
	SECONDARY BRAKE SYSTEM	Complies with ISO-3450 Standards.
	WHEEL BRAKE LOCK	Switch-activated.
	PARKING BRAKES	Multiple disc, spring-applied, hydraulically-released,
		dry brakes on inboard end of each wheel motor
		rotor shaft. Rated to hold on ±15% grade at
		maximum gross vehicle weight.
	FI FCTRIC DYNAMIC RETARDER	4.476 kW 6.000 hp.

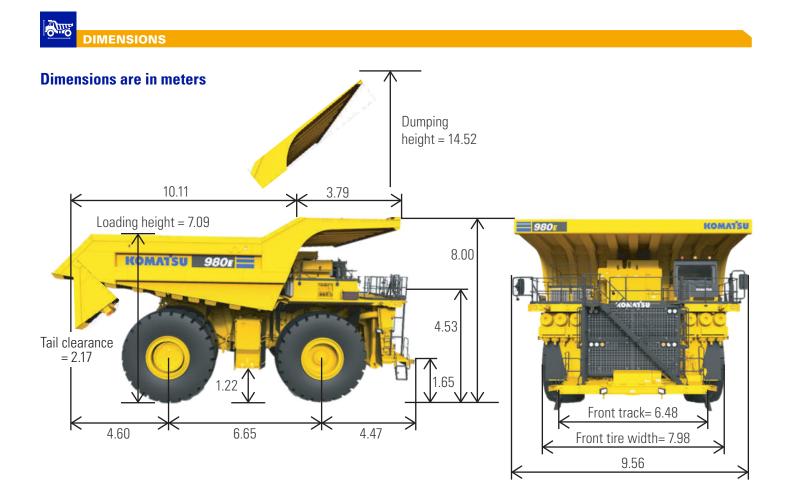
RETARDER 4,476 kW 6,00



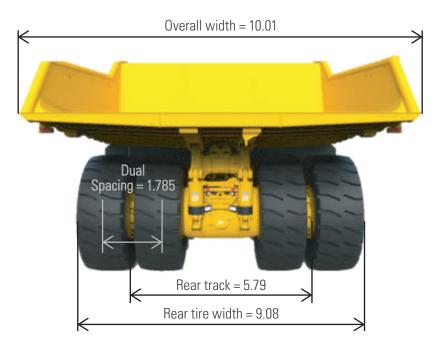
COOLING SYSTEM

Replaceable core radiator assembly, split-flow, with deaerator-type top tank. RADIATOR FRONTAL AREA 7.02 m² 75.5 ft².





All dimensions are for unladen truck with standard body.



ELECTRIC DUMP TRUCK 980E-5

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HYDRAULICS SYSTEM

STEERING	Accumulator assisted with twin double acting cylinders provide constant rate steering. Secondary steering automatically supplied
	by accumulator.
TURNING CIRCLE DIAMETER (SAE)	32 m 105'.
RESERVOIR	947 L 250 U.S. gal.
FILTRATION	In-line replaceable elements.
SUCTION	Single, full flow, 100 mesh.
HOIST AND STEERING	Dual, in-line, high pressure.
BRAKE COMPONENT CABINET	Above deck, easily accessible with diagnostic
	test connections.
HOIST	Two 3-stage dual-acting outboard cylinders,
	internal cushion valve, over-center dampening.
HOIST TIMES:	
POWER-UP LOADED	21 sec.
POWER-DOWN (HIGH IDLE)	16 sec.
FLOAT-DOWN EMPTY (LOW IDLE)	17 sec.
PUMPS	Two pumps, single package, in-line.
HOIST AND BRAKE COOLING	Tandem gear pump with output of 931 lpm
	246 gpm at 1,900 rpm and 18,960 kPa 2,750 psi.
STEERING AND BRAKE	Pressure-compensating piston pump with output
	of 246 lpm 65 gpm at 1,900 rpm and 20,685 kPa
	3,000 psi.
SYSTEM RELIEF PRESSURES:	
HOIST AND BRAKE COOLING	17,237 kPa 2,500 psi.
STEERING AND BRAKE	20,685 kPa 3,000 psi.
Ports available for powering disabled	truck and for system diagnostics.
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ELECTRICAL SYSTEM

4 x 8D 1,400 CCA, 12 volt, in series/parallel, 220 ampere-hour, bumper-mounted with disconnect switch & lock-out.			
Alternator 24 volt, 250 amp.			
Lighting	24 volt.		
Cranking motors	Two/24 volt.		

R SERVICE REFILL CAPACITIES

COOLING SYSTEM	719 L. 190 U.S. gal.
CRANKCASE	341 L. 90 U.S. gal.
HYDRAULIC SYSTEM	1,325 L. 350 U.S. gal.
MOTOR GEAR BOX (EACH)	95 L. 25 U.S. gal.
FUEL TANK (NON-EMISSIONIZED)	5,300 L. 1,400 U.S. gal.
FUEL TANK (TIER IV)	4,543 L. 1,200 U.S. gal.
DEF TANK	318 L. 84 U.S. gal.

Body	Cap	Loading	
Douy	Struck	2:1 Heap	height*
Standard	183 m³ 240 yd³	250 m ³ 327 yd ³	7.09 m

*Exact load height may vary due to tire make, type, and inflation pressure.

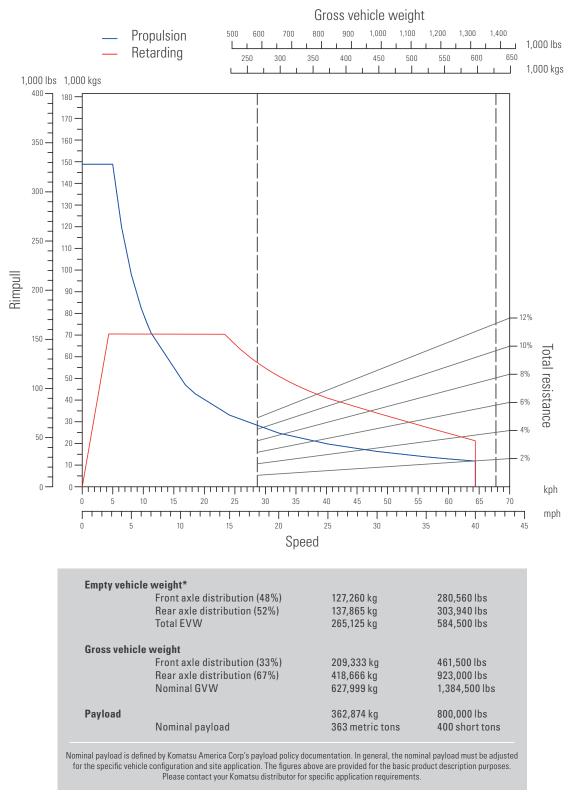




PERFORMANCE CHART

980E-5 PERFORMANCE

3,500 hp - 59/80 R63 TIRES



*Includes options allowance.

ELECTRIC DUMP TRUCK 980E-5

STANDARD EQUIPMENT

- »Air cleaners w/auto evacuators.
- »Alternator (24 volt/2 x 275A).
- »Automatic lubrication system w/ground level fill, level indicator & dynamic timing.
- »Back-up alarm.
- »Batteries-4 x 8D (1,400 CCA's).
- »Battery charging/jump start connector.
- »Body over-center device.
- »Body-up sling (w/KAC supplied body).
- »Brakes: oil-cooled, multiple disc front & rear.
- »Control cabinet.
- »Cruise control.
- »Electric start.
- »Eliminator®, Cense®.
- »Fast-fill fuel system (in tank).
- »Filters, high pressure hydraulic.
- »Ground level radiator fill.
- »Mirrors, heated, multi-cambered convex LH & RH.
- »Mud flaps.
- »Muffled exhaust-deck-mounted.
- »Power supply, 24 volt and 12 volt DC.
- »Quick disconnects (steering, hoist and diagnostics).
- »Radiator sight gauge.
- »Removable power module unit (radiator, engine, alternator, blower).
- »Reverse retarding.
- »Service center-LH.
- »Thermostatic fan clutch.

OPERATOR ENVIRONMENT & CONTROL:

- »All hydraulic service brakes with auto apply.
- »Back up alarm.
- »Battery disconnect switch.
- »Brake lock and drive system interlock.
- »Circuit breakers, 24 volt.
- »Diagonal staircase across grille.
- »Dynamic retarding with continuous rated element grids.
- »Engine shutdown at ground level.
- »Hoist propulsion interlock.
- »Horns (electric-front).
- »Integral ROPS/FOPS Cab Level 2.
- »Maintenance and power lockout.
- »Parking brakes with warning light & speed application protection.
- »Power steering w/auto secondary steering.
- »Protective deck handrails.
- »Pump driveline protector.
- »Radiator fan guard.
- »Seat belts:
- Operator 3-point 51 mm 2" retractable.
- Passenger lap 51 mm 2" retractable.
- »Slip-resistant walkways.

STANDARD HIGH VISIBILITY DELUXE CAB:

- »AC drive interface display.
- »Air conditioner HFC-134A.
- »AM/FM radio with CD, USB & MP3.
- »DEF Gauge.
- »Digital air cleaner restriction gauges.
- »Dome light.
- »Electronic dash & status panel:
- Body up.
- Engine oil temperature (high).
- Parking brake.
- Propulsion system not ready.
- No DC link voltage.
- No propel.
- Service brake applied.
- Wheel brake lock applied.
- Maintenance monitor.
- »Engine hourmeter, oil pressure gauge, coolant temperature gauge, hydraulic oil temperature. »Engine shutdown w/ "Smart timer" delay.
- »Floor mat (double barrier).
- »Fuel gauge in cab.
- »Fuel low level light and buzzer.
- »Gauges (w/backlight).
- »Headlight switch.
- »Heater and defroster (heavy-duty).
- »Heater switch.
- »High beam selector and indicator.
- »Horn (center of steering wheel).
- »Indicator lights (blue):
- Engine service.
- KOMTRAX Plus 2® snapshot (IM).
- »Komatsu payload meter IV® (PLM IV).
- »KOMTRAX Plus 2®.
- »Operator seat, adjustable w/air suspension, lumbar support and arm rests.
- »Panel lighting (adjustable).
- »Passenger seat, mechanical suspension. »Power windows.
- »Pressurized cab air system w/fan on.
- »Single brake/retarder pedal.
- »Sunvisor (adjustable).
- »Tilt & telescoping steering column.
- »Voltmeter (battery output).
- »Windshield (tinted safety glass).
- »Windshield wiper (dual) and washer (electric).

LIGHTING:

- »Back-up lights-rear mount (2) LED. »Back-up lights-R and L-deck mount (2) LED. »Brake and retard lights on top of cab (LED). »Clearance lights (LED). »Control cabinet service light (LED). »Dynamic retarding, rear (2) LED.
- »Engine compartment service lights (LED).
- »Fog lights (2) halogen.
- »Headlights (8) halogen.
- »Manual back-up light, switch and indicator. »Payload lights R and L (LED).

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KOMATSU

- »Stairway lights (LED).
- »Stop & tail lights (2) LED. »Turn signals (LED).

OPTIONAL EQUIPMENT

Note: Optional equipment may change operating weight.

- »300 gpm fast fuel: RH in-tank, LH remote.
- »Amber becon light.
- »Antifreeze: below 40°F.
- »Body group, OEM ship loose*.
- »Body liners.
- »Bumper access-hydraulic retractable steps.
- »Bumper mounted headlights.
- »Cold weather suspensions-front & rear.
- »Double wall exhaust tubes.
- »Dump body-standard design.
- »Duilip bouy-staliualu uesių
- »Electric heater coolant.

»Electric heater engine oil.
»Electric heater hydraulic oil.
»Engine access platform, LH.
»Exhaust for heated body.
»Fire extinguisher.
»FLOC-LH service center.
»Hydraulic & fuel tank-mud flaps only.
»Hydraulic tank-ladder & mud flaps.
»Komatsu smart type rims.
»Komatsu wireless bridge.
»KomVision™ all around monitoring system.

»LED headlights.
»PLM scoreboard displays-RH & LH.
»Premium operator & passenger seats.
»Radiator shutters.
»Rock ejectors.
»Service center-RH (replacing LH).
»Spare rim (1).
»Spare Komatsu smart type rim (1).
»Suspension charging kit.
»Tier 4 final engine.
»Tool group.

*Mandatory for Komatsu supplied body. Recommended for Komatsu designed, locally manufactured body. Not Applicable to third-party body.

Standard equipment may vary for each country, and this specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your Komatsu distributor for detailed information.

KØMTRAX Plus

SATELLITE MONITORING SYSTEM

KOMTRAX PLUS is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

KOMTRAX

FEATURES

»ABNORMALITY CODES

Display of the fault codes presented in the equipment on a daily and monthly basis.

»TRENDS

Time-graftable curves to evaluate the condition of major components such as engine, transmissions, torque converter, propulsion system, etc.

»LOAD METER

Payload meter (PLM), with the detail of each load cycle indicating the total of tons loaded and the cycle times.

»SERVICE METER READING

Daily advance of the hours of the equipment, which allows planning maintenance and replacement of components.

»REPORTING

Together with the Distributor, condition reports and operational practices can be defined to ensure correct equipment performance.

»FUEL CONSUMPTION

Daily average in L/h.



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