MAXIMUM GVW 324322 kg 715,000 lb GROSS HORSEPOWER 1491 kW 2,000 HP

KOMATSU®

730E





Electric Drive Truck

SPECIFICATIONS



ENGINE

Make and modelKo	matsu SSA16V159
Fuel	Diesel
Number of cylinders	16
Operating cycle	4 stroke
*Rated brake power 1491 kW 2,0	00 HP @ 1900 rpm
**Flywheel power	60 HP @ 1900 rpm
Weight (wet)	. 5294 kg 11,670 lb

NOTE: This engine includes the Engine Monitor System

*Rated brake power 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.

**Flywheel power is the rated power at the engine flywheel minus the average accessory losses.

rijwineer power is nie rateet power at me engine injwineer minus me average accessory iosses. Accessories include fan and charging alternator. Rating(s) represent gross engine performance in accordance with SAE J1349 conditions.



ELECTRIC DRIVE

AO/DO COMMENT	
Alternator	G.E. GTA-22
Control	. Statex III Fuelsaver
*Motorized wheels	G.E. 788
**Ratio	26.825:1
Speed (maximum)	55.7 km/h 34.6 mph

*Wheel motor application depends upon gross vehicle weight, haul road grade, haul road length, rolling resistance and other parameters. Komatsu and G.E. must analyze each job condition to assure proper application.

AC/DC CLIDDENIT



TIRES AND RIMS

Rock service, tubeless, tires
*Standard tire
Standard five (5) piece rim
686 mm x 1488 mm x 152 mm 27" x 57" x 6" patented Phase I
New Generation rim assembly with patented 152 mm 6" double
forged flanges. Not interchangeable with other manufacturers' rims
due to improved decide for greater lead compart and languar fatigue

due to improved design for greater load support and longer fatigue life. Rated at 827 kPa **120 psi** cold inflation pressure.





BODY

All-welded steel flat floor body with horizontal bolsters and full canopy. Eyebrow, rear wheel rock ejectors, body up cable and rubber mounts on frame are standard. Pivot exhaust heating optional.

Bottom plate 19 mm 0.75 " 1034 mPa 150,000 psi
tensile strength steel (two-piece)
Front sheet 12 mm 0.47 " 690 mPa 100,000 psi
tensile strength steel
Side sheet 9 mm 0.35 " 690 mPa 100,000 psi
tensile strength steel
Struck
Standard SAE heaped 2:1
Standard Komatsu body weight25612 kg 56.464 lb



CAR

Advanced Operator Environment with integral 4-post ROPS/FOPS structure (meets J1040 Apr88), adjustable air suspension seat with lumbar support and arm rests, passenger seat, maximum R-value insulation, tilt and telescoping steering wheel, electric windshield wipers with washer, tinted safety glass, power windows, Komatsu Payload Weighing System, 55,000 Btu/hr heater and defroster, 21,600 Btu/hr air conditioning (HFC - 134A refrigerant).



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.

norsecollar.	
Plate material	. 482.6 mPa 70,000 psi
	tensile strength steel
Casting material	. 620.5 mPa 90,000 psi
	tensile strength steel
Rail width	279 mm 11 "
Rail depth (minimum)	813 mm 32 "
Top and bottom plate thickness	32 mm 1.25 "
Side plate thickness	19 mm 0.75 "
Drive axle mounting	High-mount ball
	and socket joint at front
Drive axle alignment Swing link	k between frame and axle



Service brakes: all-hydraulic actuated
Front
Three calipers on a 1168 mm 46.0" O.D. disc.
Rear Dual disc armature speed.
Two 635 mm 25" O.D. discs per side.
One caliper per disc.
Emergency brakes Automatically applied prior
to hydraulic system pressure dropping below level
required to meet secondary stopping requirements.
Wheel brake locksSwitch activated
Parking brakes Spring-applied,
hydraulically released, with speed application protection.
Electric dynamic retarder (max.)2759 kW 3,700 hp
Continuously rated blown grids. Two-speed overspeed retarding.



SUSPENSION

Extended range retarding. Reverse retarding.

HYDRAIR® II

Variable rate hydro-pneumatic	with integral rebound control.
Maximum front stroke	335 mm 13.2 "
Maximum rear stroke	279 mm 11.0 "
Maximum rear axle oscillation	



L&M radiator assembly with sight gauge. Deaeration-type top tank. Dual pass cooling.

Radiator frontal area......4.33 m² 46.6 ft²



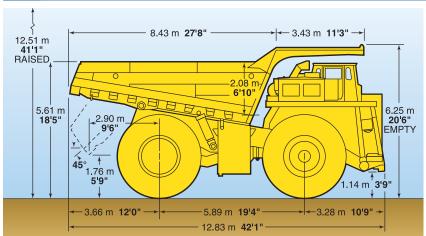
SERVICE CAPACITIES

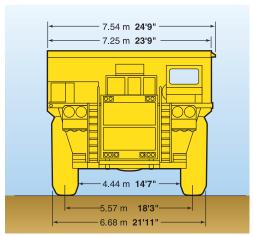
Cooling system	.409 L 108 U.S. gal
*Crankcase	.223 L 59 U.S. gal
Hydraulic system	.731 L 193 U.S. gal
Motor gear box	40 L 10.5 U.S. gal
Fuel	3217 L 850 U.S. gal

*Includes lube oil filters

^{**}Optional ratios available.

DIMENSIONS





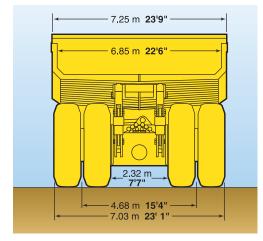
All dimensions are with 111 m³ 145 yd³ body.

Bodies	Struck	2:1 Heap	Loading Height*
Standard	77 m³ 101 yd³	111 m³ 145 yd³	5.61 m 18'5 "

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



Steering. Accumulator-assisted with twin cylinders provide constant rate steering. Emergency power steering automatically supplied by accumulator (meets SAEJ1511) Turning circle diameter (SAE)................................ 28.0 m 92 ft Filtration.....In-line replaceable elements Suction Single, full-flow, 100 mesh $\label{lem:loss-def} \mbox{Hoist and steering......} \mbox{Dual, full-flow, in-line, high-pressure}$ Brake component cabinet. Above-deck, easily accessible with diagnostic test connector. Hoist Two 3-stage dual-acting outboard cylinders, internal cushion valve. Hoist times with output of 513 lpm 135.6 gpm @1900 rpm and 17240 kPa 2500 psi Steering and brake................. Vane-type pump with output of 235 lpm 62.0 gpm @1900 rpm and 18960 kPa 2,750 psi System relief pressures Quick disconnects standard for powering disabled truck and for system diagnostics.





4 x 8D 1450 CCA, 12 volt batteries, in series/parallel, bumpermounted with disconnect switch.

Alternator
Lighting24-vo
Cranking motors



WEIGHT DISTRIBUTION

 Empty vehicle weight (wet, 100% fuel, no options, std Komatsu body, std tires)

 Front axle
 .66840 kg
 .147,357 lb
 48%

 Rear axle
 .73752 kg
 .162,593 lb
 52%

 Total EVW
 .140592 kg
 .309,950 lb

Gross vehicle weight (Nominal)

Front axle	107026 kg 2 3	35,950 lb	33%
Rear axle	217296 kg 4 7	'9,050 lb	67%
Total	324322 kg 7 1	5,000 lb	
Nominal payload*	183730 kg 40)5,050 lb	
	203	U.S. ton	

*Nominal payload is defined by Komatsu America Corporation's payload policy documentation. In general, the nominal payload must be adjusted for the specific vehicle configuration and site application. The figures above are provided for basic product description purposes. Please contact your Komatsu distributor for specific application requirements.

- 7-step (ERR) Extended Range Retarding
- · Air cleaners, Donaldson SRG
- Alternator (24 volt/260A)
- · Auto lubrication system
- Batteries (4 x 8D, 1450 CCA 12 volt)
- Battery charging cable and socket
- Body left-side canopy protector
- Body over center device
- Brakes: Front wheel speed disc; rear dual disc armature speed
- Flectric start
- Fast-Fill Fuel System (in tank, right side)
- FLOC fast lube oil change
- Filters, high pressure hydraulic
- Gate valves on hydraulic tank
- Komatsu control cabinet
- Komatsu Payload Weighing System–PLM III
- · Mirrors, LH flat and RH rectangular convex
- · Mud flaps
- Muffled exhaust, deck-mounted
- On board load box
- · Power supply, 24 volt and 12 volt DC
- Quick disconnects (hoist, steering)
- Removable power module unit (radiator, engine, alternator, blower)
- Rock ejectors
- · Radiator sight gauge
- · Retard speed control
- Retard grids, continuous rated, 14 element
- Reverse retarding
- · Thermostatic fan clutch
- Two-speed overspeed retarding
- Vari-volt alternator control
- Vertical ladders

SAFETY:

- All hydraulic service brakes with emergency auto apply
- · Battery disconnect switch
- Body up cable
- · Brake lock and drive system interlock
- Circuit breakers, 24 volt
- Dynamic retarding with continuous rated grids

- · Engine shutdown at ground level
- Exhaust blankets
- · Hoist propulsion interlock
- Horns (back-up, front electric)
- Integral roll-over protection (ROPS)
- Maintenance and power lockout
- Parking brakes with warning light and speed application protection
- · Power steering w/auto emergency steering
- Protective deck handrails
- Pump driveline protector
- · Radiator fan guard
- Seat belts 76 mm 3" retractable
- · Skid-resistant coating on walkways

STANDARD HIGH VISIBILITY DELUXE CAB:

- · Air cleaner vacuum gauges
- Air conditioner HFC 134A
- Alarm System warning lights (red)
 - Accumulator pre-charge
 - Coolant low level w/alarm
 - Coolant high temperature w/alarm
 - Electric drive system cooling blower w/alarm
 - Electric system fault w/alarm
 - Hydraulic oil level w/alarm
 - Hydraulic oil temperature w/alarm
 - Low engine oil pressure w/alarm
 - Low brake pressure w/alarm
 - Motorized wheel temperature stop engine w/alarm
 - Steering pressure w/alarm
- AM/FM cassette radio, XM capable
- Engine monitoring system
- · Digital tachometer and speedometer
- · Dome light
- Double door seals
- Engine hourmeter, oil pressure gauge, water temperature gauge
- Engine shutdown w/5 minute delay timer
- Floor mat
- Fuel gauge in cab and on tank
- Gauges (w/back light)
- Headlight switch
- Heater and defroster (heavy-duty)
- Heater switch

- · High beam selector and indicator
- Indicator lights (amber):
- 5-minute idler timer
- Auto lube alarm
- Check engine w/alarm
- Circuit breaker tripped
- Dynamic retarding
- Dump body up
- Hydraulic oil filter
- Low fuel level
- Manual back-up lights
- Park brakes applied
- Retard speed control
- Service brakes
- Starter circuit
- · Horn (center of steering wheel)
- · Independent brake/retarder pedals
- RS232 port Statex III-PLM III
- Insulation (Max R-Valve)
- Oil pressure gauge
- Operator seat, adjustable w/air suspension, lumbar support and arm rests
- Panel lighting (adjustable)
- Passenger seat
- Power windows
- · Pressurized cab air system
- · Starter key switch
- Sunvisor (adjustable)
- Tilt and telescoping steering wheel
- Voltmeter (battery output)
- · Wheel brake lock w/drive system interlock
- Windshield wipers, dual, washer (electric)
- Windshield (tinted safety plate)

LIGHTING:

- Back-up lights-rear mount (2)
- Brake and retard lights on top of cab
- Clearance lights (amber–front; red–rear)
- Control cabinet service light
- Dynamic retarding, rear (2)
- Headlights (4) halogen
- · Ladder lights
- · Manual back-up light, switch and indicator

11/05 (EV-1)

- Service light in rear axle
- Stop and tail lights (2)
- Turn signals
- Under-hood service lights



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- (Optional equipment may change operating weight).
- Additional high-mounted headlights
- Air cleaner evacuatorsArctic protection package (suspensions,
- antifreeze/lube below -40° C)
- · Back-up lights, deck mounted
- Body liners*Exhaust-heated body

- Filtered air inlet system
- Fire extinguisher 9 kg **20 lb**
- Fog lights–Halogen (2) lower grille
- Hot start (engine oil, coolant, hydraulic tank)

DK11(1.5M) C

- Hubometer (miles or kilometers)Modular Mining System (MMS) ready
- Mufflers between frame rails
- Pressure fueling, LH remote*
- Radiator shuttersTrolley assist package
- Service Center–RHSpecial language decals

Exhaust-heated body
 Motorized wheel ratio's (higher/lower)
 *Available factory-installed or non-installed. All other options and accessories listed are available factory installed only.

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