KOMATSU®

730E

MAXIMUM GVW
324322 kg 715,000 lb

GROSS HORSEPOWER
1491 kW 2,000 HP

ELECTRIC DRIVE TRUCK

Photo may include optional equipment.
**SPECIFICATIONS**

**ENGINE**

- Make and model: Komatsu SSA16V159
- Fuel: Diesel
- Number of cylinders: 16
- Operating cycle: 4 stroke
- Rated brake power: 1491 kW, 2000 HP @ 1900 rpm
- Flywheel power: 1388 kW, 1860 HP @ 1900 rpm
- Weight (wet): 5294 kg, 11,670 lb

**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: 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 socket joint at front
- Drive axle alignment: Swing link between frame and axle

**AC/DC CURRENT**

- Alternator: G.E. GTA-22
- Control: Statex III Fuelsaver
- Motorized wheels: G.E. 788

**TIRES AND RIMS**

- Rock service, tubeless tires
  - Standard tire: 37.00 R57
  - Standard five (5) piece rim
  - 686 mm x 1488 mm x 152 mm 27" x 57" x 6" patented Phase II New Generation rim assembly with patented 152 mm 6" double forged flanges. Not interchangeable with other manufacturers' rims due to improved design for greater load support and longer fatigue life. Rated at 827 kPa 120 psi cold inflation pressure.
  - Typical tire weight: 1837 kg 40,500 lb

**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: 77 m³ 101 yd³
  - Standard SAE heaped 2.1: 111 m³ 145 yd³
  - Standard Komatsu body weight: 25612 kg 56,464 lb

**CAB**

- Advanced Operator Environment with integral 4-post ROPS/FOPS structure (meets J1040 Apr68), 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).

**ELECTRIC DRIVE**

- Motor gear box: Dual disc armature speed. Three calipers on a 1168 mm 46.0" O.D. disc.
- Drive axle alignment: Swing link between frame and axle

**BRAKING SYSTEM**

- 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.

**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: ±9.75°

**COOLING SYSTEM**

- 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: 0.409 L 108 U.S. gal
- Crankcase: 0.223 L 59 U.S. gal
- Hydraulic system: 0.731 L 193 U.S. gal
- Motor gear box: 0.40 L 10.5 U.S. gal
- Fuel: 0.3217 L 850 U.S. gal

*Includes tube of filters
ELECTRIC DRIVE TRUCK

**ELECTRICAL SYSTEM**

- **Alternator**: 24-volt, 260 amp
- **Lighting**: 24-volt
- **Cranking motors**: two/24-volt

**WEIGHT DISTRIBUTION**

- **Empty vehicle weight** (wet, 100% fuel, no options, std Komatsu body, std tires)
  - **Front axle**: 66,840 kg \(\approx\) 147,357 lb \(\approx\) 48%
  - **Rear axle**: 73,752 kg \(\approx\) 162,593 lb \(\approx\) 52%
- **Total EVW**: 140,592 kg \(\approx\) 309,950 lb
- **Nominal payload**: 203 U.S. ton

**HYDRAULIC SYSTEM**

- **Accumulator-assisted with twin cylinders**: constant rate steering. Emergency power steering automatically supplied by accumulator (meets SAEJ1511)
- **Turning circle diameter (SAE)**: 28.0 m \(\approx\) 92 ft
- **Reservoir**: 731 L \(\approx\) 193 U.S. gal
- **Filtration**: Single, full-flow, 100 mesh
- **Hoist and steering**: 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.
- **System relief pressures**
  - **Hoist**: 17,240 kPa \(\approx\) 2,500 psi
  - **Steering and brake**: 27,580 kPa \(\approx\) 4,000 psi
- **Quick disconnects**: standard for powering disabled truck and for system diagnostics.

**DIMENSIONS**

All dimensions are with 111 m\(^3\) 145 yd\(^3\) body.

<table>
<thead>
<tr>
<th>Bodies</th>
<th>Struck</th>
<th>2:1 Heap</th>
<th>Loading Height*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>77 m(^3) 101 yd(^3)</td>
<td>111 m(^3) 145 yd(^3)</td>
<td>5.61 m 18'5&quot;</td>
</tr>
</tbody>
</table>

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

**ELECTRICAL SYSTEM**

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

*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.
### STANDARD EQUIPMENT

- 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
- Electric 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 drive line 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

### 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
- Horns (center of steering wheel)
- Independent brake/retarder pedals
- Mufflers between frame rails
- Pressure fueling, LH remote*
- Radiator shutters
- Trolley assist package
- Service Center–RH
- Special language decals

### OPTIONAL EQUIPMENT

- Additional high-mounted headlights
- Air cleaner evacuators
- Arctic protection package (suspensions, antifreeze/lube below -40º C)
- Back-up lights, deck mounted
- Body liner*
- Body right-side canopy protector
- Brakes: Front wheel speed disc; rear - dual disc armature speed
- Electric start
- Fast-Fill Fuel System (in tank, right side)
- FLOC - fast lube oil change
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*Available factory-installed or non-installed. All other options and accessories listed are available factory installed only.