MAXIMUM GVW
324319 kg 715,000 lb
GROSS HORSEPOWER
1491 kW 2,000 HP

Photo may include optional equipment.
### ELECTRIC DRIVE TRUCK SPECIFICATIONS

#### ENGINE
- Make and model: Komatsu SSA16V159
- Fuel: Diesel
- Number of cylinders: 16
- Operating cycle: 4 stroke
- Flywheel power: 1388 kW @ 1900 rpm
- Weight (wet): 5294 kg
- *Flywheel 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.

#### AC/DC CURRENT
- Alternator: G.E. GTA-22
- Control: Statex III Fuelsaver

#### TIRES AND RIMS
- Standard tire: 26.825:1
- Speed (maximum): 55.7 km/h
- *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.

#### BODY
- All-welded steel flat floor body with horizontal bolsters and full canopy.

#### 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 length: 279 mm
- Rail width: 813 mm
- Side plate thickness: 19 mm
- Drive axle alignment: High-mount ball and socket joint at front

#### BRAKING SYSTEM
- Service brakes: all-hydraulic actuated
- Rear: Dual disc armature speed. Two 635 mm 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 locks: Switch activated
- Electric dynamic retarder (max.): 2759 kW

#### SUSPENSION
- HYDRAIR® II: Variable rate hydro-pneumatic with integral rebound control.
- Maximum front stroke: 335 mm
- Maximum rear stroke: 279 mm
- 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

#### SERVICE CAPACITIES
- Cooling system: 409 L
- Crankcase: 223 L
- Hydraulic system: 731 L
- Motor base oil: 40 L
- Fuel: 3217 L

*Includes lube oil filters
ELECTRIC DRIVE TRUCK

**ELECTRICAL SYSTEM**

- Alternator: 24-volt, 140 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: 67484 kg (148,776 lb)
  - Rear axle: 73108 kg (161,174 lb)
  - Total EVW: 140592 kg (309,950 lb)
  - Standard Komatsu body: 25612 kg (56,464 lb)
  - Standard tire weight: 18371 kg (40,500 lb)

- **Gross vehicle weight** (Nominal):
  - Front axle: 98941 kg (218,129 lb)
  - Rear axle: 225377 kg (496,871 lb)
  - Total: 324319 kg (715,000 lb)
  - Nominal payload*: 183729 kg (405,850 lb)
  - 203 U.S. ton

*Nominal payload is as defined within Komatsu America Corporation's payload policy documentation. Nominal payload must be adjusted should the weight of any customized body or tires fitted vary from that of the standard Komatsu body and tires as shown above. Nominal payload must also be adjusted to take into account the additional weight of any customized/optional extras fitted to the truck which are not stated within the Standard Features list of this specification sheet.

**DIMENSIONS**

All dimensions are with 111 m³ 145 yd³ body.

**HYDRAULIC SYSTEM**

- **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
- **Reservoir**: 731 L 193 U.S. gal
- **Filtration**: In-line replaceable elements
  - Suction: 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.
- **Hoist times**
  - Power-up loaded: 21 sec
  - Power-down: 15 sec
  - Float-down empty: 22 sec
  - **Gear-type pump** with output of 513 lpm 135.6 gpm @ 1900 rpm and 17240 kPa 2500 psi
  - **Vane-type pump** with output of 235 lpm 62.0 gpm @ 1900 rpm and 18960 kPa 2750 psi
- **System relief pressures**
  - Hoist: 17240 kPa 2500 psi
  - Steering and brake: 27580 kPa 4000 psi
  - Quick disconnects standard for powering disabled truck and for system diagnostics.

**Bodies**

<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 m³ 101 yd³</td>
<td>111 m³ 145 yd³</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.
STANDARD EQUIPMENT

- Air cleaners, Donaldson SSG with antifreeze/lube below -40º C
- Additional high-mounted headlights
- Arctic protection package (suspensions, antifreeze/lube below -40º C)
- Body liners*
- Exhaust-heated body
- 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
- 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, CD with Weather Band, Aux and IPOD Inputs
  - 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

OPTIONAL EQUIPMENT

(Optional equipment may change operating weight).

- 7-step Extended Range Retarding (ERR)
- Additional high-mounted headlights
- Arctic protection package (suspensions, antifreeze/lube below -40º 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)
- Hubometer (miles or kilometers)
- Modular Mining System (MMS) ready
- Motorized wheel ratio’s (higher/lower)
- 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 and 3 point seat belt
- Panel lighting (adjustable)
- Passenger seat
- Power windows
- Pressurized cab air system
- Starter key switch
- Sunvisor (adjustable)
- Tilt and telescoping steering wheel
- KOMTRAX Plus
- Voltmeter (battery output)
- Wheel brake lock w/drive system interlock
- Windshield wipers, dual, washer (electric)
- Windshield (tinted)

LIGHTING:

- Back-up lights–rear mount (2)
- Brake and retard lights
- Control cabinet service light
- Headlights - (4) halogen
- Ladder lights
- LED Clearance lights– Amber front, red rear
- LED Dynamic retarding lights, rear
- LED Stop and tail lights
- Manual back-up light, switch and indicator
- Service light in rear axle
- Turn signals
- Under-hood service lights

*Available factory-installed or non-installed. All other options and accessories listed are available factory installed only.