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

Photo may include optional equipment.
**730E ELECTRIC DRIVE TRUCK**

**SPECIFICATIONS**

### ENGINE

Make and model: Komatsu SSA16V159 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

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. Accessory losses include fan and charging alternator. Rating(s) represent gross engine performance in accordance with SAE J1349 conditions.

### AC/DC CURRENT

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.

**Optional ratios available.

### TIRE S AND RIMS

Rock service, tubeless tires
*Standard tire: 37.00 R57
Standard five (5) piece rim
686 mm x 1498 mm x 522 mm  27" x 57" x 6"

Tires should meet application requirements for speed, tread, compound, inflation pressure, ply rating or equivalent, etc.

### ELECTRIC DRIVE

### 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: 813 mm, 32"
- Top and bottom plate thickness: 19 mm, 0.75"
- Drive axle mounting: High-mount ball and socket joint at front
- 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 695 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 locks: Switch activated
- Parking brakes: Spring-applied, hydraulically released, with speed application protection.

Electric dynamic retarder (max.): 2759 kW, 3700 hp


### SUSPENSION

HYDRAIR® II

Variable rate hydro-pneumatic with integral rebound control.

- Maximum front stroke: 335 mm, 13.2"
- Maximum rear stroke: 279 mm, 10.5"
- Maximum rear axle oscillation: ±9.75"

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

Radiator frontal area: 4.33 m², 46.6 ft²

### COOLING SYSTEM

Cooling system: 108 U.S. gal

*Includes tube of filters

### SERVICE CAPACITIES

**CAB**

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 glass, power windows, Komatsu Payload Weighing System, 55,000 Btu/hr heater and defroster, 21,600 Btu/hr air conditioning (HFC - 134A refrigerant).
ELECTRICAL SYSTEM

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

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 ......................... 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 ........... 18372 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 405,050 lb

203 U.S. ton

*Nominal payload is as defined within Komatsu America Corp. 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.
STANDARD EQUIPMENT

- 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
- Batteries (4 x 8D, 1450 CCA 12 volt)
- Fuel gauge in cab and on tank
- Skid-resistant coating on walkways
- Exhaust-heated body
- 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
  - 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

OPERATION ENVIRONMENT AND CONTROL:
- 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
- Additional high-mounted headlights
- Air cleaner evacuators
- Arctic protection package (suspensions, antifreeze/lube below -40º C)
- Back-up lights, deck mounted
- Body liniers*