

Specifications

Vehicle Configuration

Brakes

- Type – Hydraulic power boosted.
- Rear – 5 in. x 15 in. drum.

Chassis

- Frame – 3 in. x 13 in. (76mm x 330mm) C-channel.
- Section Modules – 16.63 in. (422 mm).
- Modular Body.
- Tow Hooks – Front and Rear.

Cab

- Description – Center forward mounted, single operator dust and weather sealed with filtered air intake. Integral ROPS structure with left and right side limb guards. All steel construction.
- Sound Suppression Interior – Utilizes padded insulation and isolated position to maintain 85 dBA OSHA recommended environment. Rubber mounted to frame.
- Windows – 3700 sq in. (23,865 sq cm) of tinted safety glass. Sliding windows left and right, configured to eliminate need for bubble windows.
- Windshield Wiper – 2 speed with washer.
- Seat – Cloth covered, multi-adjustable for height and weight. Spring suspended with shock absorber, seat belt and arm rests.
- Automotive Controls – Tilt telescopic steering wheel and positive position shift quadrant.
- Mirrors – Dual west coast type and large dual parabolic.
- Heater – Fresh air heater/defroster pressurizer.

Electrical

- Alternator – 130 Amp with dust shield.
- Battery – Dual system 1800 CCA @ 0° F.
- Lights – Sealed beam headlights with high beam indicator, combination stop and tail lights, self canceling turn signals with two way hazard flasher, backup lights, gutter broom spotlights and illuminated license plate holder.
- Wire Harness – "No Splice" harness with weather resistant connectors.
- Alarms – Electronic backup alarm, hopper warning alarm, vehicle movement lockout (prevents movement when hopper is raised) and horn.
- Lighting – Illuminated panels and dome light.

Engine

- Isuzu - Final Stage Tier 4 – 4 cylinder diesel with Racor fuel/water separator.

- Variable Speed Displacement.
- Horsepower – 178 HP @ 2600 rpm (134 kW).
- Torque – 450 ft lb @ 1600 rpm (610 N.m).
- Radiator – 39 qt (37 L) capacity, swing away design.
- Air Cleaner – Dry single safety element with primary element.

Fuel System

- Description – 35 gallons (132.5L), vented w/steel construction.

Instruments

- Gauges – Speedometer/odometer, tachometer, hour-meter, engine oil pressure, engine water temperature, voltmeter, fuel gauge and gutter broom position indicators.
- Indicators – Water spray, low engine oil, high engine water temperature, low hydraulic oil level alarm, air restriction and high beam.

Paint

- Body – Powder Coat White with Gray Frame and Sweep Gear

Steering

- Description – Heavy duty full power steering.

Sweeper Dimensions

- Wheel Base – 116 in. (2946 mm).
- Length – 189 in. (4801 mm).
- Height – 106 in. (2693 mm).
- Width – 98 in. (2489 mm).
- Turning Radius – 14 ft (4267 mm).
- Weight, Low Dump – 15,660 lbs (7103 kg) w/duel gutter broom.
- Weight, High Dump – 15,860 lbs (7194 kg) w/duel gutter broom.

Tires and Wheels

- Front Tire – 11R x 17.5H 16 Ply.
- Front Rim – 8.25 x 17.5.
- Rear Tire – 11R x 22.5G 14 Ply.
- Rear Rim – 8.25 x 22.5.

Traction Drive

- Description – Hydrostatic drive with two speed variable displacement wheel motors and an engine mounted variable displacement pump. The traction system provides constant blower speed independent of vehicle speed or direction.
- Range – Low (sweeping mode) = 0–12 mph (19 km/h), High (travel mode) = 0–50 mph (80 km/h).
- Controls – Automotive controls including foot pedal and shift console. Infinitely variable speeds in sweeping and travel ranges.

Specifications

Sweeping Configuration

Auxiliary Hydraulics

- Description – “SP” dual power parallel hydraulics utilizes separate direct mounted gear pumps to provide high torque power to blower, gutter brooms and lift systems.

Blower

- Drive – Direct hydraulic.
- Construction – 32 in. diameter (787 mm) cast aluminum with abrasion resistant coating on 6 blades.
- Blower Housing – Lined with removable rubber inserts.
- Drive – Direct hydraulic.

Gutter Broom

- Diameter – 47 in. (1194 mm).
- Segments – Tuf Grip disposable, 12 segments with 26 in. (660 mm) steel wire.
- Speed – Variable.
- Drive – Direct high torque hydraulic.
- Lift – Hydraulic through accumulators.
- Impact Protection – Free floating vertically and horizontally.
- Overload Protection – Motor mounted relief caps.
- Adjustments – Simple “tool free” settings, in-cab controls for pressure and wear.
- Left Side Gutter Broom – Option.

Hopper

- Capacity – 6.2 cubic yards (4.7 cubic meters).
- Lift – 12,000 lbs (5445 kg).

- Lift Method – Dual 4 in. (102 cm) hydraulic cylinders.
- Dump Height – 56 in. (1422 mm) standard dump, 114 in. (2869 mm) high dump option.
- Dump Position – Behind rear wheels, similar to dump truck.
- Dump Control – Cab mounted single toggle switch.
- Safety Lockout – Hopper lift controls automatically prevent movement while dumping.
- Location – Center mounted behind cab.

Suction Hood

- Type – Recirculating.
- Hood Width – 72 in. (1829 mm) outside dimension.
- Vacuum & Pressure Hoses – 12 in. (305 mm) diameter.
- Suspension – Springs with forward and reverse tow cables.
- Skates – Adjustable long life carbide.
- Ground Clearance – 5 in. (127 mm) for transport.

Water Spray System

- Capacity – 200 gal (760 L).
- Construction – Molded Polyethylene.
- Location – Below frame for stability.
- Pump – 2 electrical diaphragm, 7.2 gal/min (42 L/min).
- Spray Nozzles – At gutter brooms, suction hood, and inside dust separator and hopper.
- Controls – Variable flow valves in cab.
- Shutoff – Water pump switch in cab.
- Filter – 100 mesh in-line type, cleanable.
- Fill Hose – 15 ft (4.6 m) hose stored in right rear fender tool box with hydrant coupling and wrench.
- Flusher – Hopper and hydrant screen.