

Engine

Make General Motors
Type V8 Cylinder
Displacement 350 cu. in. (5.7 L)
Horsepower 124hp @ 2400 RPM
Peak Torque 284 ft.-lbs. @ 2100 RPM
Oil Capacity 5 qts.

Instrumentation

Rocker switches in central console gauges:
 Tachometer, hour meter, oil pressure, fuel, voltmeter, coolant temperature, spray water level gauge, hopper up, hopper rear door open, full load indicator

Memory Sweep Sweep resume feature

Fuel System

4 composite 3600 psi tanks
 60 gallon diesel equivalent
 - Tanks include pressure relief and shut off valve
 - Stainless steel gas line system including shut off valve, high pressure regulator, gauge, filter, vacuum shut-off valve, low pressure regulator
 - Regulator includes a jacket to eliminate freeze-up
 - Fuel system installed in accordance with NFPA standards



Engine

Make Cummins Westport L9N N-Gas
 charge air cooling
Type In-line, 6 cylinder
Displacement 540 cu. in. (8.9 L)
Horsepower 260 hp (194 kw) @ 2000; 2200 RPM GOV
Peak Torque 660 ft./lbs. (895NM) @ 1300 RPM
Oil Capacity 7.3 U.S. gals. (27.6 L)
Air/Fuel Regulation Cummins Electronic Control System
Ignition Cummins Electronic High Energy System

Sweep System - Components

General Specifications

Sweeping path:
Pickup Head only
 90 in (2,286 mm)
Pickup Head & one Side Broom
 117 in (2,971 mm)
Pickup Head & two Side Brooms
 144 in (3,658 mm)
Travel speed Up to highway speed

Blower

Drive Direct 5-groove banded power belt with automatic adjusting idler pulley
Speed 3400 RPM
Blower Rating 20,000 CFM (567 m³/min)
Blower Construction abrasion resistant steel
Blower Housing 10 gauge (3.4 mm) Steel, rubber lined for extended wear

Pickup Head

Length 90 in (2,286 mm)
Head Area Approx. 2,700 in² (17,420 cm²)
Hose Diameters
Pressure 14 in (355 mm)
Suction 12 3/4 in (324 mm)
Control Hydraulic raising and lowering
Vacuum Enhancer Electrical, in-cab control
Hose Connection Quick disconnect type near pickup head at lower area of suction hose
Hose Construction Flexible rubber steel reinforced

Available Enhancements

Auxiliary Hydraulic System
In Cab Controlled Side Broom Tilt
Rotating Beacon or Strobe Light
Light Guard
Wandering Hose 8 in (203 mm) diameter, 12 ft (3658 mm) long, hydraulic power assisted, boom supported
Automatic Lubrication System
Rear Flood Light(s)

Hand-held Litter Hose
Front Spray Bar
Right-side Hopper Inspection Door
Left-side Hopper Inspection Door
Lifeline® Hopper Lining
Hopper Deluge Washout System
Centerbroom Hydraulically operated
Aluminum Refillable Side Broom Segments

Side Broom

Diameter 42 in (1067 mm)
Disc Construction Steel plate
Speed Constant
Drive Hydraulic motor, protected by relief valve
Mounting Free floating trailing arm
Motion Pneumatically inward/outward, raised/lowered
Adjustment Inward/outward, forward/backward
Digging Pressure/wear control pneumatic in cab
Sweep Position Fully extended or in front of pickup head
Type Segment set disposable

Debris Hopper

Volumetric Capacity 8 yd³ (6 m³)
Dump Angle 42 degrees
Floor Angle 10 degrees
Dust Separator Self-cleaning, centrifugal
Lifting Hydraulic, two-stage telescoping cylinder
Hopper Dump Door Hydraulic open/close and lock/unlock
Hopper Dumping Control Hydraulic levers on right side of unit
Hopper Screens Hinged, quick release, steel

Electrical System

Voltage 12 volt
Sweeper Battery Rating 1000CCA
Sweeper Engine Alternator 105 amperes

Paint

High Pressure Washdown with 24 in hand lance, 30 ft hose
Extended Warranty

Powder Coated, consult factory for available colors

Your Elgin Dealer is:



Hydraulic System

Hydraulic Pump Powers hydraulic motors on side brooms and activates hopper dump cycle and pickup head
Hydraulic Pump Capacity 7.7 GPM (29 LPM) @ 2500 RPM
Hydraulic Pump Drive Direct Gear
Reservoir Capacity 23 gal (87 L)
Filter 10 micron, spin-on type

Spray Water System

Water Tank Construction Polyethylene
Water Tank Capacity 240 gal (908 L)
Fill Hose 16 ft 8 in (5,080 mm)
Pump Type Diaphragm with run-dry capability with HI or LO selectable pump speeds
Pump Capacity 8 GPM (30 LPM)
Pump Pressure 40 PSI (2.7 bar)
Spray Nozzles Total of 16 (21, with optional centerbroom)
 Quick release brass for ease of cleaning or service
 7 in pickup head (12 if with centerbroom)
 3 in suction tube
 6 (3 each) side brooms
Controls On-off switches in-cab
Filter 100 mesh, cleanable
Fittings Prestomatic Push-To-Lok type with thermoplastic tubing

Chassis

Mounted on a Autocar Xpert or M2 112 Chassis. Contact your Elgin dealer for detailed specifications.

Warranty

Sweeper
 1 year parts and labor
Engine
 Consult Factory



Elgin Sweeper Company
 1300 West Bartlett Road
 Elgin, Illinois, U.S.A. 60120-7529
 847-741-5370 Phone
 847-742-3035 Fax
 www.elginsweeper.com

Effective 4/18 P/N 0705311-D
 Some photos shown with optional equipment
 Specifications subject to change without notice