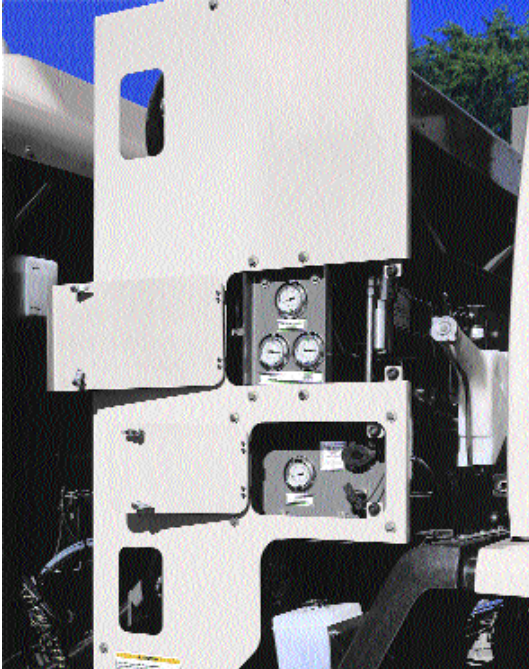


Low Emissions - Highly Economical - Extremely Quiet

The Elgin Crosswind is now available powered by Compressed Natural Gas (CNG). This popular four wheel regenerative air sweeper features a wide 12 ft. sweeping path and a rear dump 8 cubic yard hopper. The alternative fuel dual engine Crosswind is mounted on a commercial Sterling SC8000 cab-over chassis powered by the Cummins B5.9-195G engine, the first commercially available six-liter natural gas engine that is capable of meeting the ultra-



low emitting vehicle (ULEV) standards. The sweeper is powered by a Ford 4.2 L V6 engine which allows for excellent fuel economy with an impressive power to weight ratio. The engines share three 3600 psi composite reinforced cylinder fuel tanks. CNG is an alternative fuel that is economical, abundant in supply and produces approximately 10% of the pollutants normally emitted by traditional gasoline or diesel engines. The combination of the Elgin Crosswind and clean burning CNG fueled engines are an environmentally sound solution to your sweeping needs.

For more information or a demonstration, please contact your local Elgin dealer.

The Elgin Crosswind Series J CNG



Sweep System - Power

Make Ford ESG-642
Type V6 cylinder
Displacement 258 cu. in. (4.2 L)
Horsepower 115 hp @ 3000 RPM
Peak Torque 223 ft./lbs. @ 2300 RPM
Oil Capacity 7 qts.
Fuel System Make: IMPCO

Cylinder Capacity: 7839 total SCF
 - three 18.4 in. x 78.5 in. Composite cylinder assemblies that provide a 52 gal. diesel equivalent
 - cylinders include pressure relief, shut off valve and high pressure 3/8 in (9.5mm) stainless steel tube

Rocker switches in swivelling and rotating console containing:

Tachometer, hour meter, oil pressure, fuel, voltmeter, coolant temperature, spray water level gauge, hopper up, hopper rear door open, full load indicator

Truck - Power

Make Cummins B 5.9 195 G Natural Gas, Turbocharged
Type In-line, 6 cylinder
Displacement 359 cu. in. (5.9 L)
Horsepower 195 hp (146 kw) @ 2800 RPM
Peak Torque 420 ft./lbs. (569NM) @ 1600 RPM
Bore & Stroke 4.02 x 4.72 (102 x 120 mm)
Compression Ratio 10.5:1
Oil Capacity 4.0 U.S. gals. (15 L)
Coolant Capacity 10.5 U.S. qts. (9.9 L)
Air/Fuel Regulation Cummins Electronic Control System
Ignition Cummins Electronic High Energy System

Sweep System - Components

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

Drive Direct 5-groove banded power belt with automatic adjusting idler pulley

Speed 3400 RPM

Blower Rating 17,000 CFM (482 m³/min.)

Blower Construction abrasion resistant steel

Blower Housing 10 gauge (3.4 mm) Steel, rubber lined for extended wear

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

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

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

Voltage 12 volt

Sweeper Battery Rating 925CCA

Sweeper Engine Alternator 95 amperes

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

Water Tank Construction Polyethylene with lifetime warranty against rust-thru

Water Tank Capacity 240 gal (908 L)

Fill Hose 16 ft 8 in (5,080 mm)

Pump Type Centrifugal with run-dry capability

Pump Capacity 15 GPM (57 LPM)

Pump Pressure 20 PSI (1.4 bar)

Spray Nozzles Total of 18 (23 with optional centerbroom)

7 in pickup head (12 if with centerbroom)

3 in suction tube

6 (3 each) side brooms

2 in hopper entry

Controls On-off switches in-cab

Filter 100 mesh, cleanable

Options

Auxiliary Hydraulic System
In Cab Hopper Dump Controls
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
Lifelast Hopper Lining
Hopper Deluge Washout System
Centerbroom
 Hydraulically operated
Aluminum Refillable Side Broom Segments
Auxiliary Water Tanks
 one 140 gal capacity or two 140 gal capacity (280 gal total)
 1060 L total

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:



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Chassis

Mounted on a Sterling SF 8000 Chassis. Contact your Elgin dealer for detailed specifications.

Warranty

1 year parts and labor

Consult Factory

ELGIN

Environmental Products Group



Effective 10/00

Specifications subject to change without notice

P/N 0705311-A