



## ELGIN PELICAN® WITH COMPRESSED NATURAL GAS CONFIGURATION

The popular Pelican – three-wheel broom sweeper – features outstanding maneuverability, visibility, a 10 ft. sweeping path, 9 ft. 6 in. high dump frontal hopper, and the heavy duty No-Jam chevron conveyor belt. The alternative fuel, single-engine Pelican is powered by the near-zero Cummins® B6.7N engine: NOx levels 90% below current EPA standard, Particulate Matter (PM) levels 90% below current EPA standard, CO2 equivalents 16% below current EPA standard, and can achieve sub-zero emissions when using Renewable Natural Gas (RNG).

Compressed Natural Gas (CNG) is economical, abundant in supply, and produces a fraction of the pollutants normally emitted by traditional gasoline or diesel engines. The combination of the Elgin Pelican and a clean burning CNG fueled engine is an environmentally sound solution to your sweeping needs.

For more information or to arrange a demonstration please contact your local Elgin dealer or visit us at [elginsweeper.com](http://elginsweeper.com). Information on the new Cummins B6.7N engine can be found at [cummins.com](http://cummins.com).

### AVAILABLE ENHANCEMENTS

- Heated and motorized mirrors
- Side broom tilt
- Automatic lubrication system
- Lifeliner® hopper liner
- Beacon light with protector
- Strobe light with protector
- Broom hours
- Limb guards
- Extended warranty
- Sliding rear window
- Air suspension seat(s)
- PM10 Dust Suppression
- Mechanical Main Broom Suspension



Your Elgin Dealer is:



**SWEEP SYSTEM – POWER****ENGINE**

**Make** Cummins B6.7N  
**Type** 6 cylinder  
**Displacement** 409 cu. in. (6.7 L)  
**Bore** 4.21 in (107 mm)  
**Stroke** 4.88 in (124 mm)  
**Compression Ratio** 17.3:1  
**Horsepower** 200 HP (149 kw) @ 2,400 RPM  
**Torque** 520 ft-lb (705 Nm) @ 1,600 RPM  
**CNG Fuel Tank Capacity**  
 122.8 U.S. gal (465 L)  
**Diesel Fuel Equivalent for all fuel types**  
 35 U.S. gal (132.5 L)  
**Methane Detection System;**  
 One (1) in-cab and one (1) engine compartment mounted sensors

**STANDARD ACCESSORIES**

Full flow oil filter, electronic governor, dual safety element dry-type air cleaner with engine mounted restriction indicator, fuel cleaner, and CNG tanks equipped with extended range regulator

**INSTRUMENTATION**

**Panel** Full vision, illuminated  
**Fuel Control Panel** with Blue iQ™  
**Gauges** Speedometer/odometer, tachometer, engine hour meter, engine temperature, oil pressure, voltmeter, hydraulic oil temperature, water level, and on-board diagnostics.

**ELECTRICAL SYSTEM**

Hot stamped and color coded wiring, alternator/regulator-unity, 160 ampere  
**Battery** 12 volt, group 31, 1000 CCA, 180 min. reserve, with disconnect switch.  
**Lights** halogen sealed multiple beam headlights, LED combination stop and tail lights, adjustable LED side broom lights, directional signals with hazard switch.  
**Safety** horn, electronic back up alarm, back up camera, and sweep flashers.

**SWEEP SYSTEM – COMPONENTS****GENERAL SPECIFICATIONS**

**Wheel Base** 155.5 in (3949 mm)  
**Overall Length** 18 ft 4 in (5628 mm)  
**Height with Cab** 9 ft 10.5 in (3010 mm)  
**Width Outside Tires** 8 ft 6 in (2591 mm)  
**Curb to Curb Turning Radius** 18 ft 3 in (5562 mm)  
**Sweeping Path**  
**One Side Broom** 8 ft (2438 mm)  
**Two Side Brooms** 10 ft (3048 mm)  
**Weight**  
**One Side Broom** 15,300 lb (6955 kg)  
**Two Side Brooms** 16,000 lb (7272 kg)  
**Travel Speed** Up to 20 mph (32 Km/h)  
**Hydrostatic Drive** Single foot pedal for forward/reverse  
**Hydraulic Service Brakes**  
**Tires**  
**Front** 11R22.5 load range H (2)  
**Rear** 215/75R 17.5 load range H (2)  
**Wheels**  
**Front** Steel disk type  
**Rear** Dual steel disk type mounted on alloy steel axle  
**Guide wheel** with rear swing-arm suspension

**CAB**

**Type**  
 ISO mounted  
 Structural steel tube frame  
 Sealed w/ 100% filtered air intake, sound insulated  
**Doors** Full view glass  
**Opening** From rear  
**Dust protection**  
 Rubber gasket sealed  
 Windows Safety glass with tinted windshield and tinted sun visors, 360° visibility  
 Tinted upper glass  
**Dome light**  
**Heater pressurizer with defroster**  
 Multi-vent air disbursement  
**Windshield wipers** 2 speed intermittent, with washers  
**Mirrors** Inside (1); outside, dual west coast with convex inserts and (2) 10 in oval  
**Seat(s)** 21 in wide deluxe foam cushion with belt(s)

**Steering** Tilt and telescoping steering column  
**In-Cab Air Conditioning**

**MAIN BROOM**

**Diameter** 35 in (889 mm)  
**Length** 66 in (1676 mm)  
**Type** Prefab. disposable, polypropylene double wrapped at both ends  
**Core** Steel reversible  
**Dirt Shoes** rubber with greaseable pivot  
**Digging Pressure & Wear Control** in-cab hydraulic float  
**Lift control** In-cab hydraulic raise and lower  
**Drive** Hydraulic motor  
**Mounting** Hydraulic cylinder suspended  
**Speed** Variable with engine RPM

**GUTTER BROOM**

**Type** Vertical digger  
**Diameter** 36 in (914 mm)  
**Disc Construction** Steel plate  
**Speed** Variable with engine RPM  
**Flexibility** In-cab positioning hydraulic float  
**Drive** Hydraulic motor  
**Mounting** Free floating  
**Adjustment** In/out (recoil spring), up/down  
**Digging Pressure/Wear Control** Hydraulic, in-cab, pressure sensing  
**Broom material** Tempered steel wire

**CONVEYOR**

**Conveyor**  
**Type** Chevron cleat reinforced rubber belt  
**Speed** Variable with engine RPM  
**Flexibility** 9 in. (229 mm) oscillation for large object passage  
**Drive** Hydraulic motor, chain and sprocket drive  
**Bearings** Sealed self-aligning, re-lube

**DEBRIS HOPPER**

**Capacity Volumetric** 3.6 yd<sup>3</sup> (2.8 m<sup>3</sup>)  
**Material Volume** 3.5 yd<sup>3</sup> (2.6 m<sup>3</sup>)  
**Hopper Lift and Dump Control**  
 Electrohydraulic in-cab  
**Maximum Dump Height** Up to 9 ft 6 in (2895 mm)  
**Time to Tilt Hopper** 17 sec

**Time to Retract to Working Position** 21 sec  
**Design Lift Capacity** 9,000 lbs (4,080 kg)  
**Frontal Dumping** Standard

**HYDRAULIC SYSTEM**

**Hydrostatic Drive** Electronically controlled  
**Variable Displacement Pump**  
**Variable Displacement Motor**  
**Fittings** 'O' ring face seal type  
**Reservoir Capacity** 33 gal (106 L)  
**Reservoir Level** Externally readable with low level & high temp alarm and engine shutdown  
**Inlet Strainer** 100 mesh  
**Filter** Return, 10 micron absolute, full flow  
**Filter Restriction Indicator** In cab  
**Breather/Fill Cap** 10 micron

**WATER SPRAY SYSTEM**

**Tank Construction** Polyethylene  
**Tank Capacity** 220 gal (832 L)  
**Fill Hose** 16 ft 8 in (5080 mm) with hydrant coupling and double jacket accessory  
**Wash Down** Integral cascade hopper/conveyor wash and lower roller  
**Pump** Diagram with run dry capability  
**Spray Nozzles** Atomizing, adjacent to each broom  
**Controls** On/off, volume high/low in-cab  
**Filter** Non-corrosive housing, 100 mesh screen  
 Cleanable anti-siphon fill standard

**BRAKE SYSTEM**

**Service**  
 Multi Caliper Disc type  
 Hydraulically applied  
 Power Assisted  
**Park**  
 Wet Disc multi pack with spring applied  
 Hydraulically released push/pull activation  
 Interlock to prevent drive through if applied  
**Ecolnfused Technology®**  
 Combining science and innovation to produce more environmentally efficient products

**FINISH**

**UNDERCARRIAGE:**  
 Grey powder coat  
**BODY:**  
 High gloss powder coat  
 Custom colors available

**CHASSIS**

Chassis is fully welded;  
 formed channel and boxed tube style with jack points

**WARRANTY**

**SWEeper**  
 1 year parts and labor  
**ENGINE**  
 Consult factory



Elgin Sweeper Company  
 1300 W. Bartlett Rd.  
 Elgin, Illinois, U.S.A. 60120-7529  
 847-741-5370 Phone  
 www.elginsweeper.com