

Now available

powered by

LIQUEFIED NATURAL GAS, COMPRESSED NATURAL GAS, or LIQUEFIED PETROLEUM GAS



This popular three wheel broom sweeper features outstanding maneuverability, visibility, a 10 ft. sweeping path, and the heavy duty No-Jam debris conveyor.

The alternative fuel, single engine Pelican is powered by the ultra-low emissions **Cummins B5.9-195G** engine that is certified to U.S. EPA and CARB standards and Euro V and EEV.

LNG and CNG are alternative fuels that are economical, abundant in supply, and produce approximately 10% of the pollutants normally emitted by traditional gasoline or diesel engines. The combination of the Elgin Pelican and a clean burning LNG fueled engine is an environmentally sound solution to your sweeping needs.

LPG has a long and varied history in transportation applications. It has been used in rural and farming settings since its inception as a motor vehicle fuel. LPG is a low-emission, economic and easily used fuel that can play an important role as an alternative, non-traditional petroleum fuel for our nation.

For more information or a demonstration please contact your local Elgin dealer or visit us at www.elginsweeper.com.

ELGIN PELICAN[®]

Subsidiary of Federal Signal Corporation

Sweep System - Power

Engine

Make Cummins BG 195 B Gas Plus
Type 6 cylinder HD automotive
Displacement 359 cu. in. (5.9 L)
Bore 4.02 in (102 mm)
Stroke 4.72 in (120 mm)
Compression ratio 10.5:1
Horsepower 195 HP (145 kw) @ 2,800 RPM
Torque 420 ft-lbs (569 Nm) @ 1,600 RPM
LNG Fuel tank capacity 82 U.S. gal (132.5 L)
Diesel Fuel Equivalent for all fuel types 38 U.S. gal (173 L)

Sweep System - Components

General Specifications

Wheel Base 127.4 in (3236 mm)
Overall Length 18 ft 3 in (5563 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 15 ft 3 in (4648 mm)

Sweeping path:

One side broom 8 ft (2438 mm)
Two side brooms 10 ft (3048 mm)

Weight:

One side broom 15,300 lbs (6955 kg)
Two side brooms 16,000 lbs (7272 kg)

Travel speed Up to 20 mph (32 Km/h)

Hydrostatic drive Single foot pedal for forward/reverse

Hyd service brakes

Tires:

Front 11R22.5 14ply (2)
Rear 10R17.5 16 ply (2)

Wheels:

Front Steel disk type
Rear Dual steel disk type mounted on alloy steel axle
Sprung guide wheel

Cab

Type ISO mounted
Structural steel tube frame
Sealed w/ 100% filtered air intake Sound insulated

Doors See-thru with sliding upper windows

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 dispursement

Windshield wipers 2 speed intermittent, with washers, stalk actuation

Mirrors Inside (1); outside, dual west coast with convex inserts and (2) 10 in. oval

Seat(s) 21" wide deluxe foam cushion with belt(s)

Steering Tilt and telescoping steering column

Available Enhancements

Waterless Dust Control
Dual controls - right and left side brooms, seats, and operator controls for operation from either side for sweeping in direction of traffic
Remote adjustment
Heated mirrors
Side broom tilt

Automatic lubrication system
Lifeline® hopper liner
Air conditioner in-cab
Beacon light with protector
Strobe light with protector
Electric side broom tilt indicator

Broom hours and mileage recorder
Diesel cold weather start aid
Limb guards
Extended warranty
Sliding rear window
Litter hose
Front Broom

Finish

Powder Coat:
Undercarriage in standard Elgin gray
Body in choice of 186 colors
Consult factory for color chart

Chassis

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

Warranty

Sweeper
1 year parts and labor

Engine
Consult factory

Standard Accessories

Full flow oil filter, mechanical governor, dual safety element dry-type air cleaner with in-cab restriction indicator, fuel filter, counterbalanced, wet sleeve

Instrumentation

Panel Full vision, illuminated

Gauges Speedometer/odometer, tachometer, engine hour meter, engine temperature, oil pres-sure, voltmeter, fuel, hydraulic oil temperature and water fill

Main Broom

Diameter 35 in (889 mm)
Length 66 in (1676 mm)
Type Prefab. disposable, polypropylene double wrapped at both ends

Core Steel reversible

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

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 yd³ (2.8 m³)
Material volume 3.5 yd³ (2.6 m³)
Hopper lift and dump control Electro-hydraulic 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

Electrical System

Hot stamped and color coded wiring, alternator/regulator-unitized, 120 ampere, **Battery** - 12 volt, group 31, 925 CCA, 180 min. reserve. **Lights** - halogen sealed multiple beam headlights, combination stop and tail lights, adjustable side broom lights, directional signals with hazard switch. Safety horn, electronic back up alarm, sweep flashers.

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

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 (5080mm) with hydrant coupling

Wash down Integral cascade hopper/conveyor wash

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

