

Superior dust control with no water required - Superior sweep ability - Superior sweep quality



Dry operation allows powderous material sweeping

The Elgin® Pelican is now available with dry dust control. The new industrial version of the world's most popular three wheel sweeper, maintains all the popular features that has made it the best selling sweeper year after year while offering waterless and all temperature sweeping. The waterless Industrial Pelican meets all the California fugitive dust control standards (Rule 1186, PM-10) in wet and waterless dust control modes.



Sealed dust skirts control thick dust and thick powder



Optional: Cut out dust skirts allow clean curb sweeping

Productivity Feature	Elgin Industrial Pelican	Tennant™ Sentinel*
Sweep path	Up to 120 inches	Up to 87 inches with optional side broom.
Side broom pressure	In cab adjustable	Not adjustable
Side broom diameter	35 inches	32 inches
Main broom pressure	In cab adjustable	Manual adjustment on broom
Main broom diameter	35 inches	24 inches
Main broom length	66 inches	51 inches
Standard Engine	99 hp turbocharged	83 hp normally aspirated
Operator cab position	Single or dual	Single only
Conveyer type	Conveyer belt for all types of material	Flight type squeegee for granular types of material
Dust control skirts	Flat surface or curb	Flat surface only
Parts availability	Local dealer	Mail order from Minnesota
Service availability	Local dealer with shop	Local service Rep with Van
Vacuum wand	Optional Litter Hose	Option
Dust control skirts	Standard	Standard only on dry system
High dump hopper	Standard	Option
Left side broom	Standard on dual model	Option

*All Tennant specifications derived from published, public information and may be subject to change.

Sweep System - Power

Engine

Make John Deere 4045TF270
Type 4 cylinder diesel
Displacement 276 cu. in. (4.5 L)
Bore 4.19 in (106.43 mm)
Stroke 5.0 in (127 mm)
Compression ratio 17:1
Horsepower 99 HP (74 kw) @ 2,500 RPM
Torque 274 ft-lbs (372 Nm) @ 1,400 RPM
Fuel tank capacity 35 gal (132.5 L)

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; cup holders
Gauges Speedometer/odometer, tachometer, engine hour meter, engine temperature, oil pressure, voltmeter, fuel, hydraulic oil temperature, electric side broom and main broom position indicator.

Sweep System - Components

General Specifications

Wheel Base 127.4 in (3236 mm)
Overall Length 15 ft 10 in (4826 mm)
Height with cab 9 ft 7 in (2921 mm)
Width outside tires 8 ft 6 in (2591 mm)
Turning radius sweeping 15 ft (4572 mm)
Approximate Sweeping path:
 One side broom 8 ft (2438 mm)
 Two side brooms 10 ft (3048 mm)
Weight:
 One side broom 13,590 lbs (6170 kg)
 Two side brooms 14,290 lbs (6482 kg)
Travel speed Up to 20 mph (32 Km/h)

Cab

Type Full, 14 gauge steel
Doors See-thru with sliding bubble windows
 Opening From rear
 Dust protection Rubber gasket sealed
Windows Safety glass with tinted windshield and padded sun visors, over 5000 in² (3.23 m²) glass area, 360° visibility
Windshield wipers 2 speed with washers
Mirrors Inside (1); outside, dual west coast with convex inserts and (2) 6 in. eyeball (152 mm)
Seat(s) Deluxe foam cushion with belt(s)
Hydrostatic drive Single foot pedal for forward/reverse without clutch or shifting

Tires:

Front 11R22.5 14ply (2)
Rear 9R17.5 16 ply (2)

Wheels:

Front Steel disk type
Rear Dual steel disk type mounted on alloy steel axle

Options

Dual controls - right and left side brooms, seats, and operator controls for operation from either side for sweeping in direction of traffic	Sprung guide wheel strut Beacon light Strobe light Light protector for beacon or strobe Broom mileage recorder Diesel cold weather start aid Limb guards Extended warranty Sliding rear window-
Spring float mainbroom suspension	
Automatic lubrication system	
Polyurethane hopper liner	
Air conditioner in-cab Fresh air heater/ventilator/pressurizer, with defroster and cab dome light	

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
 Hydraulic, in-cab, positive position setting
Lift control In cab hydraulic raise and lower
Drive Hydraulic motor
Mounting Spring, shock absorber snubbed
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 Positive hydraulic positioning with spring cushion float
Drive Hydraulic motor
Mounting Free floating
Adjustment In/out (recoil spring), up/down
Digging pressure/wear control
 Hydraulic, in cab, positive position setting
Broom material Tempered steel wire

Conveyor

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

Finish

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

Chassis

Unitized, fabricated and welded heavy steel plate, wishbone reinforced, 7 gauge, two tow hooks front and rear

Your Elgin Dealer is:



Electrical System

Hot stamped and color coded wiring, alternator/regulator-unitized, 120 ampere, auto reset circuit breakers. **Battery** - 12 volt, group 31, 1000 CCA, 180 min. reserve. **Lights** - sealed multiple beam headlights, combination stop and tail lights, adjustable side broom lights, directional signals with hazard switch. Safety horn, electronic back up alarm, auto reset circuit breakers

Debris Hopper

Capacity volumetric 3.5 yd³ (2.7 m³)
Material volume 3 yd³ (2.3 m³)
Hopper lift and dump control 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 17 sec
Design lift capacity 9,000 lbs (4,080 kg)
Frontal dumping Standard

Hydraulic System

Hydrostatic Drive
Variable displacement pump
Variable displacement motor
Fittings 'O' ring seal type
Reservoir capacity 33 gal (106 L)
Reservoir level Externally readable
Inlet strainer 100 mesh
Filter, return 10 micron, full flow with bypass
Filter restriction indicator In cab
Breather 10 micron, spin-on

Dust Control System

Twin centrifugal dust evacuation fans
Large envelope filter with hydraulic shaker for dust removal
Optional water system for dumping dust control and washdown
 80 psi centrifugal water pump
 40 gal water tank
 Broom dust control atomizing nozzles
 Hopper dump dust control atomizing nozzles
Controls on/off in-cab
Non corrosive housing, 100 mesh screen.

Warranty

Sweeper

1 year parts and labor

Engine

Consult factory



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Effective 7/06

P/N: 0705329-B

Specifications subject to change without notice