

Sweep System - Power

Engine

Make John Deere 4045 Tier 4 Final
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 19:1
Horsepower 74 HP (55 kw) @ 2,400 RPM
Torque 224 ft-lbs (304 Nm) @ 1,600 RPM
Fuel tank capacity 35 gal (132.5 L)

Sweep System - Components

General Specifications

Wheel base 127.4 in (3236 mm)
Overall length 16 ft (4877 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 (4572 mm)

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)

Hydrostatic drive Single foot pedal for forward/reverse

Hydraulic Service Brakes

Tires:

Front 11R22.5 load range H (2)
Rear 215/75R17.5 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

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 pressure, voltmeter, fuel, hydraulic oil temperature, water fill, and on-board diagnostics.

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

Side 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

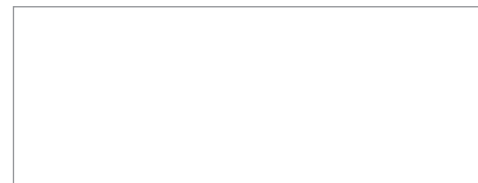
Finish

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

Your Elgin Dealer is:



© 2018 Elgin Sweeper Company. Elgin® Pelican® and EcoInfused Technology® are registered trademarks of Federal Signal Corporation. Federal Signal Corporation is listed on the NYSE by the symbol FSS

Electrical System

Wires Hot stamped and color coded wiring,

alternator/regulator-unitized, 95 A

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 (5080 mm) 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

EcoInfused Technology® Combining science and innovation to produce more environmentally efficient products.

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
847-742-3035 Fax
www.elginsweeper.com

Effective 04/18
Specifications subject to change without notice.
P/N 0705393-C

Available Enhancements

- Dual controls - right and left side brooms, seats, and operator controls for operation from either side
- Remote adjustment
- Heated mirrors
- Side broom tilt
- Automatic lubrication system
- Lifeliner® hopper liner
- 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
- Air suspension seat(s)
- Conveyor, lower roller washout