

Sweep System - Power

Engine

Make John Deere 4045
 Type 4 cylinder, turbocharged diesel
 Displacement 276 cu. in. (4.5 L)
 Horsepower 115 (86 kW) @ 2400 RPM
 Torque 291 ft-lbs (395 Nm) @ 1400 RPM
 Oil Filter Spin-on full flow
 Air Cleaner Dual safety element dry type
 Auto Shutdown For Low Oil / High Temp
 Electronic Throttle

Instrumentation / Controls

Rocker switches in central console gauges:
 Tachometer, hour meter, oil pressure, fuel, volt-
 meter, coolant temperature, spray water level
 gauge, hopper up, hopper rear door open, full
 load indicator
 Memory Sweep Sweep resume feature

Electrical System

Voltage 12 volt
 Sweeper Battery Rating 1000CCA
 Sweeper Engine Alternator 95 amperes

Sweep System - Components

General Specifications

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

Blower

Drive Direct 5-groove banded power belt with
 adjustable idler pulley
 Speed 4000 RPM
 Blower Rating 20,000 CFM (567 m³/min.)
 Blower Construction abrasion resistant steel
 Blower Housing 10 gauge (3.4 mm) Steel,
 rubber lined for extended wear

Pickup Head

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

Side Broom

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

Debris Hopper

Volumetric Capacity 8 yd³ (6 m³)
 Effective Dump Angle 50 degrees
 Dust Separator Self-cleaning, centrifugal
 Lifting Hydraulic, two-stage telescoping
 cylinder
 Hopper Dump Door Hydraulic open/close and
 lock/unlock
 Hopper Dumping Control Push button valve
 on right side of unit, in-cab dump
 Hopper Screens Hinged, quick release, steel

Hydraulic System

Purpose Powers hydraulic motors on side
 brooms and activates hopper dump cycle
 Hydraulic Pump Capacity 7.7 GPM (29 LPM)
 @ 2500 RPM
 Hydraulic Pump Direct Gear Drive
 Reservoir Capacity 23 gal (87 L)
 Filter 10 micron, spin-on type

Spray Water System

Water Tank Construction Polyethylene
 Water Tank Capacity 240 gal (908 L)
 Fill Hose 16 ft 8 in (5,080 mm)
 Pump Type Diaphragm with run-dry capability
 with HI or LO selectable pump speeds
 Pump Capacity 8 GPM (30 LPM)
 Pump Pressure 40 PSI (2.7 bar)
 Spray Nozzles Total of 16 (21, with optional
 centerbroom)
 Quick release brass for ease of cleaning or
 service.
 7 in pickup head (12 if with centerbroom)
 3 in suction tube
 6 (3 each) side brooms
 Controls On-off switches in-cab
 Filter 100 mesh, cleanable
 Fittings Prestomatic Push-To-Lok type with
 thermoplastic tubing

Available Enhancements

Auxiliary Hydraulic System	Variable Broom Speed	High Pressure Washdown with 24 in hand lance, 30 ft hose
In Cab Controlled Side Broom Tilt	Low Pressure Wash	Extended Warranty Turbo charged engine John Deere 4045
Liquid Petroleum Gas Engine	Down Capability	
Compressed Natural Gas Engine	Automatic Lubrication System	
Rotating Beacon or Strobe Light	Rear Flood Light(s)	
Light Guard	Hand-held Litter Hose	
Diesel Cold Weather Start Aid-Auxiliary Engine	Front Spray Bar	
Wandering Hose 8 in (203 mm) diameter, 9.5 ft (2591 mm) long hydraulic hose including 5ft (1524 mm) long catch basin nozzle	Hopper Inspection Door	
Water System Air Purge	LifeLiner® Hopper Lining	
Caster Wheels for Pickup Head	Hopper Deluge Washout System	
	Centerbroom in Pickup Head	
	Hydraulically driven Aluminum Refillable Side Broom Segments	
	Auxiliary Water Tanks	
	one 140 gal capacity or two 140 gal capacity for total capacity of 520 gal	

Paint

Powder Coated,
 Standard Elgin white
 and gray

Chassis

Consult Factory

Warranty

Sweeper
 1 year parts and labor
Engine
 Consult Factory

Your Elgin Dealer is:



Elgin Sweeper Company
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 847-741-5370 Phone
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 Specifications subject to change without notice