

## Sweep System - Power

### Engine

Make John Deere 4045TF275  
 Type 4 cylinder, turbocharged diesel  
 Displacement 276 cu. in. (4.5 L)  
 Horsepower 115 (86 kW) @ 2500 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 containing:  
 Tachometer, hour meter, oil pressure, fuel,  
 voltmeter, coolant temperature, spray water level  
 gauge, hopper up, hopper rear door open, full  
 load indicator  
 Reverse Lift  
 Sweep/Transport (idle down and speed resume)

### 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 m<sup>3</sup>/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 in<sup>2</sup> (17,420 cm<sup>2</sup>)  
 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 yd<sup>3</sup> (6 m<sup>3</sup>)  
 Effective Dump Angle for JPLUS 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 Manual hydraulic  
 valve on right side of unit  
 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	Caster Wheels for Pickup Head	ty for total capacity of 520 gal
In Cab Hopper Dump Controls	Variable Broom Speed Low Pressure Wash Down Capability	High Pressure Washdown with 24 in hand lance, 30 ft hose
In Cab Controlled Side Broom Tilt	Automatic Lubrication System	Extended Warranty
Liquid Petroleum Gas Engine	Rear Flood Light(s)	Turbo charged engine
Compressed Natural Gas Engine	Hand-held Litter Hose	John Deere 4045TF 115 hp
Rotating Beacon or Strobe Light	Front Spray Bar	
Light Guard	Hopper Inspection Door	
Diesel Cold Weather Start Aid-Auxiliary Engine	LifeLiner® Hopper Lining	
Wandering Hose 8 in (203 mm) diameter, 9.5 ft (2591 mm) long hydraulic hose including 5ft (1524 mm) long catch basin nozzle	Hopper Deluge Washout System	
Water System Air Purge	Centerbroom in Pickup Head	
	Hydraulically driven long hydraulic hose	
	Aluminum Refillable Side Broom Segments	
	Auxiliary Water Tanks	
	one 140 gal capacity or two 140 gal capaci-	

## 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  
 1300 West Bartlett Road  
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 Specifications subject to change without notice