



Product Specifications

A7000

Regenerative Air Sweeper
Dual Engine / Conventional Chassis



A7000CNG Specifications

SWEEPING PATH:

Pickup head only	90" (2,286 mm)
Pickup head; 1 gutter broom	114" (2,896 mm)
Pickup head; 2 gutter brooms	138" (3,505 mm)

GENERAL:

Chassis	Freightliner FL70
Engine ... Cummins 8.3 C8.3G+ 250 HP LEV, 250 HP, 660 ft-lb	
Fuel	CNG
Fuel Tanks	4 each, total of 52 gallons diesel equivalent; each 14.3" (363 mm) diameter x 74.4" (1890 mm) long
Wheelbase	180"
Useable CA	84"
Travel Width	96" (2438mm)
GVWR	32,000 lbs.

SWEEPER BODY:

Construction	Welded 10-gauge steel plate with 3/16" steel hopper floor
Safety Prop	Dual steel bars located under body

INSTRUMENTATION:

Sweeper Engine	Tachometer, hourmeter, oil pressure gauge, voltmeter and temperature gauge
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AUXILIARY ENGINE:

Model/Type	ESG-642 / V-6
Aspiration	Natural
Manufacturer	Ford Power Products
Displacement	256 cu. in. (4.2L)
Brake Horsepower	120 (89kW) @3600 rpm
Torque	223 ft-lb (302Nm) @2200 rpm
Air Cleaner	Dry-type
Oil Filter	Spin-on
Stroke	3.81" (96.8mm)
Bore	3.74" (95.0mm)
Compression Ratio	9.3 to 1
Safety Shutdown	Yes
Throttle Control	Electronic

ELECTRICAL SYSTEM:

Voltage	12 Volt
Sweeper Engine Alternator	95 Amperes

DUST CONTROL SYSTEM:

Type	High pressure/Low volume
Water Tank Capacity	220 gallons (833 liter)
Tank Construction	Polyethylene
Filter	200 mesh, cleanable
Fill Diameter	2.5" (63.5 mm)
Fill Hose	25 foot (7620 mm)
Controls	Electric; in-cab

BLOWER SYSTEM:

Drive	Direct via a 5 groove, banded power belt
Construction	T-42 steel
Housing Lining	Bolt-in corded rubber
Mounting	2 regreaseable sealed bearings
Vacuum Enhancer	For heavy/light material

PICKUP HEAD:

Type	Dual chambered, full-width blast orifice
Operating Direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90" (2,286 mm)
Pressure Hose Diameter	14" (355.6 mm)
Suction Hose Diameter	14" (355.6 mm)
Hose Construction	3/8" (9.5 mm) wire-reinforced molded rubber
Head Area	3,240 sq. in. (20,903 cm ²)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions

HYDRAULIC SYSTEM:

Pump Capacity	Dual 6.5 gpm@1800 rpm (24.6 L/min.)
Drive	2-groove banded V-belt
Maximum Pressure	2,500 PSI (173 bar.)
Reservoir	25 gallons (94 liters)
Filter	10 micron, spin-on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM:

Type	Gear type, driven by electric motor
Function	Raise/lower hopper, open/close hopper door, raise brooms and pickup head

DEBRIS HOPPER:

Volumetric Capacity	8.4 cu. yds. (6.42 m ³)
Dump Angle	53°
Floor Angle	3°
Dust Separator	Self-cleaning centrifugal
Lifting	Twin hydraulic cylinders
Hopper Dump Door	Open/close/lock hydraulically
Inspection Doors	1 on each side of hopper

SIDE BROOMS:

Type	Vertical steel digger
Location	Right and left, forward of pickup head
Diameter	44" (1,118 mm)
Drive	Hydraulic torque motor
Suspension	Torque-sensing spring
Wear Adjustment	Automatic
Pressure	Manual
Speed	Variable, non-reversing
Segments	5 each side, disposable, tempered steel wire-filled
Tilt Angle Adjustment	Manual

PAINT:

One coat of sealer/primer and two coats of DuPont Imron 5000[®] polyurethane in standard white color.

WARRANTY:

The Schwarze A7000 sweeper is guaranteed to be free from defects due to faulty materials and/or workmanship for a period of 12 months, or 1200 hours. Liability is limited to replacement of the defective parts at factory or authorized dealer. The standard warranties of chassis and sweeper engine manufacturers shall apply.



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Note: Specifications are subject to change without notice.

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