

SCHWARZE A7000-UNIMOG



8.4 Cubic Yard • Standard Dumping

The Schwarze model A7000 on a UNIMOG chassis combines one of America's leading regenerative air pickup systems with the rugged durability and versatility advantages UNIMOG offers. The resulting combination is unsurpassed for situations requiring the ultimate in regenerative air cleaning power in a situation where the chassis needs to be utilized in other applications. The A7000-UNIMOG is also easy to operate and is backed by customer support that is second-to-none.

Features include an 8.4 cubic yard hopper, patent-pending *Whisper-Wheel*™ fan system and a 220-gallon capacity water system. Sweeper is mounted on a commercially-built chassis and provides exceptional durability in a variety of applications.



"New Ideas From The Company That's Sweeping The Earth"™

Schwarze Model A7000-UNIMOG Specifications

SWEEPING PATH:

Pickup head; 2 gutter brooms 136"
(3,454 mm)

GENERAL:

Chassis Model U 500 NA Long #405.230
Engine 6-cylinder
Fuel Diesel
Width 98" (2,489 mm)
Length 25' (7,620 mm) w/o Auxiliary
Hand Hose; 25' 8" (7,821 mm) w/ Hand Hose
Wheelbase 153.5" (3,886 mm)
Axle Capacity Front 15,900"
Axle Capacity Rear 18,700"
Travel Width 96" (2,438 mm)
GVWR 33,000 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

AUXILIARY ENGINE:

Model/Type 4045T / In-line 4-cylinder
Aspiration Turbocharged diesel
Manufacturer John Deere
Displacement 276 cu. in. (4.5L)
Brake Horsepower 115
(86kW) @ 2,500 rpm
Torque 291 ft-lb
(395Nm) @ 1,400 rpm
Air Cleaner Dual element, dry type;
restriction indicator; centrifugal pre-cleaner
Oil Filter Full flow; Spin-on
Stroke 5.00" (127 mm)
Bore 4.19" (106 mm)
Compression Ratio 17 to 1
Safety Shutdown 3-point; automatic
Throttle Control Electronic

ELECTRICAL SYSTEM:

Voltage 12 Volt
Sweeper Engine Alternator 65 Amperes

DUST CONTROL SYSTEM:

Type High pressure/Low volume
Water Tank Capacity ... 250 gallons (946 liter)
Tank Construction Polyethylene
Filter 200 mesh, cleanable
Fill Diameter 2.5" (63.5 mm)
Fill Hose 25 foot (7620 mm)
Controls Independent; electric; in-cab
Separator Type/Location Centrifugal (plus
separator screen) / In hopper; self-cleaning

BLOWER SYSTEM:

Type *WhisperWheel*SM turbine
Number of Blades 10 + 10 expeller vanes
Drive Direct via a 5 groove,
banded power belt
Bearings 2 regreasable, sealed
Construction Abrasion-resistant steel
Housing Lining ... Replaceable corded rubber
Mounting Modular
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 cm²)
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 Direct gear
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 m³)
Dump Angle 53°
Floor Angle 3°
Dust Separator Self-cleaning centrifugal
Lifting Twin hydraulic cylinders
Hopper Dump Door Open/close/lock
hydraulically
Type/Location of Controls Electric;
in-cab or outside
Construction Heavy gauge steel
Coating Epoxy
Dumping Hydraulic; standard or 12V
Inspection Doors 1 on each side of hopper

SIDE BROOMS:

Type Vertical steel digger
Location Right and left,
forward of chassis
Diameter 44" (1,118 mm)
Drive Hydraulic torque motor w/ relief
Suspension Torque-sensing spring
Wear Adjustment Adjustment for tilt,
pressure and wear
Pressure Manual
Speed 100 rpm; non-reversing
Segments 5 each side, disposable,
tempered steel wire filled
Tilt Angle Adjustment (optional) ... Electric;
in cab

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 defective parts at factory or
authorized dealer. The standard warranties of
chassis and sweeper engine manufacturers
shall apply.



Note: Specifications are subject to change without notice.

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