

AHL SPECIFICATIONS

GENERAL SPECIFICATIONS

Approx. weight with one gutter broom	17,500 lbs. (7,955 kg)
Approx. weight with two gutter brooms	18,200 lbs. (8,273 kg)
Wheel base	115" (2946 mm)
Overall length	21'-8" (6604 mm)
Width outside gutter broom driver (retracted)	7'-8" (2337 mm)
Sweeping Path (one gutter broom)	7'-4" (2266 mm)
Sweeping Path (two gutter brooms)	10'-0" (3048 mm)
Overall height	8'-6" (2591 mm)
Turning Radius	18'-6" (5639 mm)
Axle Capacity - Front	8,000 lbs. (3629 kg)
Axle Capacity - Rear	10,000 lbs. (4536 kg)

GUTTER BROOM

Type	4 segment plastic disposable
Diameter	42" (1066 mm)
Wearing edge	Steel disc to take wear upon curb contact
Speed	Constant forward
Flexibility	Free floating & full sideways oscillation
Drive	Full hydraulic
Adjustment	Adjustment for tilt, pressure & wear
Lift control	Hydraulic
Broom material	26" wire (660 mm)

PICKUP BROOM

Diameter	34.5" (876 mm)
Length	58" (1473 mm)
Cable wrapped refillable broom material	26" (660 mm)
Control	Hydraulic lift
Drive	Hydraulic motor
Mounting	Full floating
Speed	Constant
Bearings	Self aligning

DIRT CONVEYOR

Type	Squeegee with replaceable rubber edging
Material (elevator bottom)	Bolt-in, 2 piece abrasion resistant steel plates
Speed	Forward & reverse
Flexibility	Oscillation for large object passage
Drive - Forward & reverse	Hydraulic motor
Adjustment	2-way positive
Lift control	Hydraulic
Bearings	Self aligning
Elevator chain & sprocket	Steel chain on urethane sprocket
Elevator (arm warning device)	Dash mounted

DIRT HOPPER

Capacity Volumetric	4.34 cu. yd. (3.32 m <sup>3</sup> )
Material volume	3.06 cu. yd. (2.34 m <sup>3</sup> )
Hopper lift and duffin controls	Hydraulic in cab
Maximum dump height - bottom of discharge door (w/ext.)	10'-3"
Maximum dump height - bottom of hopper	13'-5"
Minimum dump height - bottom of discharge door	2'-10"
Maximum hopper dump angle	52°
Time to reach maximum dump height and fill hopper	20 seconds
Time to lower to working position from maximum height	45 seconds
Design lift capacity	9,000 lbs. (4082 kg)

CONSTANT PRESSURE WATER SYSTEM

Capacity of tank	285 gallons (1,079L)
Water fit	15'-0" (4.5m) hose with hydrant coupling
Pump	Electric centrifugal type
Spray nozzles	Across front and over each gutter broom and pickup broom
Controls	Independent valves
Filter	Non-corrosive housing with fine mesh screen
Water tank	Crosslink polyethylene with manhole cover

ENGINE

Make	CUMMINS
Type	Diesel, 6 cylinder, in-line, 4-stroke cycle
Displacement	359 cu. in. (5.88L)
Bore	4.02 in.
Stroke	4.72 in.
Compression Ratio	17.5:1
Horsepower	190 @ 2500 RPM
Torque	399 Ft./lbs. @ 1750 RPM
Fuel and tank capacity	Diesel - 40 gallons (151L)

VEHICLE HYDRAULIC SYSTEM

Main Pump	Variable displacement piston type, 15.5 GPM (58.6 LPM)
	controlled flow for all rotation and lift functions
Steer Pump	Engine mounted

POWER TRAIN

	Detroit Diesel Allison automatic transmission with manual range selection or automatic shifting in 4 forward speeds. Oil to water oil cooler.
Rear Axle	Helical gears in 2-speed section. Hypoid bevel gears.
Ratio	5.57:1
Vehicle governed speed	55 MPH (88.5 KPH)

STEERING

Tilt and telescopic steering wheel, integral power steering gear, rack & pinion, re-circulating ball nut, manual steering capability.

WHEELS

Type	Heavy duty disc
Bearings	Heavy duty tapered roller

TIRES

Front	.9F02.5, 12PR, load range "F"
Rear	.315/80F02.5, 16PR, load range "J"

BRAKES

Service	4 wheel hydraulic (dual system) with hydraulic assist
Type	4 wheel disc
Parking	Axle mounted, self adjusting disc

ENGINE ACCESSORIES

Full flow oil filter, mechanical governor, heavy duty dry element air cleaner w/safety element and pre-cleaner, in-line fuel filter.

ELECTRICAL SYSTEM

12 volt negative ground system with 160 Amp alternator, Dual batteries; (925 CCA @ 0°F with 265 minutes of reserve capacity (@ 80°F) located in engine compartment. All circuits protected by circuit breakers. All circuits activated by constant duty solenoid w/ignition switch except lights, emergency flasher and brake backup system.

LIGHTING SYSTEM

2 hi-lo sealed beam headlights; 2 combination stop & tail lights; 2 clearance light clusters (3 each) front & rear; 2 side clearance lights; front & rear directional signal lights with emergency flasher; spot light for each gutter broom & one for rear broom; dash instrument light; cab dome light; automatic backup light; illuminated license plate; 2 reflectors on rear and 2 on each side; high beam indicator. Options as specified.

CAB

All steel suspended at 4 points to frame by isolation mounts. Double wall doors with vertical sliding windows; weather seal around door edges; DOT approved safety door latches with key lock; 2 speed electric windshield wipers; windshield washer; fresh air heater & defroster; individual seat w/seat belt; 2 rear view mirrors mounted on hood (one on each side); sun visors; all vehicle controls in cab on dash or center console; all dual gutter broom models have; dual steering wheels, throttle pedals, brake pedals, turn indicator lights, and seat w/seat belt. Tinted safety glass throughout.

INSTRUMENTATION

Fuel gauge, water temperature gauge, oil pressure gauge, voltmeter, speedometer-odometer, tachometer, hour meter.

HOOD & FENDERS

Unifib, corrosion resistant, molded & reinforced fiberglass; forward tilting.

PAINT

Standard color . . . . . Dupont Imron - one-coat

MISCELLANEOUS

Combination operator & maintenance manual and parts book.

NOTE: To provide our customers with the best possible equipment and offer the latest in product improvements, these specifications are subject to change without notice and without incurring responsibility to units previously sold.

Specifications (cont'd)