



REGENERATIVE AIR SWEEPERS

MODEL 600[®] REGENERATIVE AIR SWEEPER[®] / GENERAL SPECIFICATIONS



Cabover Chassis

SWEEPER AUXILIARY ENGINE

EngineJOHN DEERE 4045T, 4 cyl. (Tier 3)
 Displacement 275 cubic inches (4.5L)
 Horsepower99 @ 2,400 RPM (74 kW)
 Net torque261 ft-lb @ 1600 RPM (354 Nm)
 Air cleaner, heavy duty Dry type
 Oil filter, spin on Full flow
 Auxiliary engine shutdown system

BLOWER, Rubber Lined

Aluminum alloy high volume open face turbine
 PurposeCreates blast and suction
 Bearings(2) sealed lifetime lube ,anti-friction
 Bolt-on housingAbrasion resistant,
 replaceable liner
 DriveHeavy duty power band

DUST SEPARATOR

TypeCyclonic, multipass, centrifugal separation
 Size 20" x 61"
 cylindrical area (508mm x 1549mm)
 Location Axial to blower within
 hopper super structure
 Particulate removalThrough 61"
 (1549mm) skimmer slot into hopper
 Inspection Hinged door, opened
 from hopper exterior
 HousingAbrasion resistant,
 w/replaceable wear resistant liner

HOPPER

Capacity (volumetric)7.3 cubic yards
 (5.6 m³)
 Capacity (useable)6 cubic yards
 (4.6 m³)
 Construction Welded steel plate
 with integral stiffeners
 Floor angle22°
 Dump door opening 84" x 44" I.D.
 (2134mm x 1118mm)
 Dumping methodHydraulic with raker bar
 Dumping height36" (914mm)

PICK-UP HEAD

Function Air blast and suction chamber
 Width87" I.D. (2210mm)
 Head area2,610 sq. inches (1.68m²)
 BAH[®] area3,567 sq. inches (2.3m²)
 Suspension4 springs, 2 drag links
 Skids DUO-SKIDS[®]
 Suction & pressure hose 14" diameter (356 mm)
 Pressure bleederIntegral for
 leaf/light material pickup

GUTTER BROOM, DUAL Patented

Standard equipment includes floodlight and
 parabolic mirrors
 Drive Constant speed
 non-reversible hydraulic motor
 Adjustment Adjustable for
 down pressure, pattern and wear
 Down pressureAutomatically
 adjusts to requirement
 Flexibility All directions integral
 anti-damage "swing away" relief valve

Broom43" dia. (1.1 m)
 steel wire, vertical digger

HYDRAULIC SYSTEM

Operates gutter broom(s), dump and pick-up head
 Drive (diesel)Gear driven from auxiliary engine
 Drive (CNG) Belt driven from auxiliary engine
 Capacity8 GPM (30.3 LPM)
 Reservoir 25 gal. (94.6 L) with 80 mesh suction
 strainer, sight/temperature gauge
 Filter 10 micron in-line
 Cooler

DUST CONTROL SYSTEM

System of water spray nozzles for airborne dust
 suppression
 Pump Electric diaphragm
 Reservoir(s) Polyethylene 330 gal. (1249 L)
 with hydrant fill hose
 Filter80 mesh in-line
 Low water shut-off Safety shut-off
 with low water warning light in cab coupled with
 liquid level sensor
 Spray nozzles:
 Around pick-up head 4
 Gutter brooms (each) 2
 Hopper (inside) 1

CONTROLS

Inside cab (lighted) Pick-up head,
 gutter broom(s), ignition and tachometer (auxiliary
 engine), voltmeter, low water warning system (for
 dust control system), all safety lights, hour meter,
 pressure bleeder
Outside cabDump
SteeringDual

SAFETY WARNING DEVICES

Amber rear mounted alternating flashing
 warning lights
 Amber beacon light with limb guard
 Back up alarm

Cabover mounting includes:

Storage/toolbox46" x 16" x 34"
 Access platform

OPTIONAL EQUIPMENT

Abrasion protection package
 Auto Sweep Interrupt
 Auxiliary fuse panel
 Auxiliary hand hose 8" dia. (203 mm)
 Auxiliary hand hose hydraulic boom assist
 Auxiliary hand hose catch basin cleaning package
 Auxiliary hydraulic system
 Broom Assist Pick-up Head (BAH[®])
 Dustless - (Model DST-6[®])
 Extra water capacity
 Gutter broom tilt adjuster(s)(right, left or both)
 Gutter broom variable speed
 Gutter broom Drop-Down
 Hi/Low pressure washdown system
 High output water system

Hopper deluge
 Hopper drain system
 Hose reel, 50' retractable
 Liquid recovery system
 Low emissions package
 Magnet
 Pick-up head curtain lifter
 Pick-up head deluge (BAH[®])
 Rear camera / monitor system
 Reverse pick-up head system
 Runway Sweeper - Model HSP[®]
 Stainless Steel Hopper
 Color (other than TYMCO standard white)

Special options are available for your individual requirements. Contact your local dealer or TYMCO.

CAB/CHASSIS - Cabover

Minimum Requirements

Model UD3300
 GVW32,900 lbs. (14,937 kg)
 Frame 51,200 PSI
 EngineMD 230 diesel engine, 230
 HP @ 2500 RPM, 506 lb-ft @ 1500 RPM
 Transmission Allison 2500 RDS-P automatic w/
 Overdrive, Less PTO
 Alternator 105 amp
 Batteries 12V dual 1300 CCA
 Wheelbase 150" (3810 mm)
 Fuel tank 50 gal. (189 L)
 shared with sweeper
 Tires(2-front, 4-rear)
 Tubeless radial 11 R x 22.5, 14 ply
 Steering - Dual with gaugesFull power
 Brakes Full air w/ 20.8 CFM
 air compressor
 Instruments & lights Full package as required,
 back-up alarm
 Mirrors Western remote controlled and heated
 Air conditioned cab
 AM/FM CD stereo radio
 Consult factory for sweeper specifications and other
 available truck chassis.

GENERAL SWEEPING WIDTH

Pick-up head only87" (2210 mm)
 With 1 gutter broom110" (2794 mm)
 With 2 gutter brooms142" (3606 mm)

OVERALL DIMENSIONS (Approximate)

Length270" (6858 mm)
 Width96" (2438 mm)
 Height @ truck*118" (2997 mm)
 Height beacon light 103" (2616 mm)
 Empty weight* 18,140 lbs (8236 kg)
 Weight (sweeper)* 7,980 lbs (3622 kg)

*Dimensions and weight may vary with equipment.

1-800-258-9626

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Specifications subject to change without notice.