



REGENERATIVE AIR SWEEPERS

MODEL 600® REGENERATIVE AIR SWEEPER® / GENERAL SPECIFICATIONS



Conventional Cab Chassis

SWEEPER AUXILIARY ENGINE

EngineJOHN DEERE 4045T, 4 cyl. (Tier 3)
 Displacement 275 cubic inches (4.5L)
 Horsepower99 @ 2,400 RPM (74 kW)
 Net torque..... 261 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
 Purpose Creates blast and suction
 Bearings (2) sealed lifetime lube, anti-friction
 Bolt-on housing Abrasion resistant,
 replaceable liner
 Drive Heavy 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 removal Through 61"
 (1549mm) skimmer slot into hopper
 Inspection Hinged door, opened
 from hopper exterior
 Housing Abrasion resistant,
 w/replaceable wear resistant liner

HOPPER

Capacity (volumetric)7.3 cubic yards
 (5.6 m³)
 Capacity (volumetric)6 cubic yards
 (4.6 m³)
 Construction Welded steel plate
 with integral stiffeners
 Floor angle 22°
 Dump door opening 84" x 44" I.D.
 (2134mm x 1118mm)
 Dumping method Hydraulic with raker bar
 Dumping height 36" (914mm)

PICK-UP HEAD

Function Air blast and suction chamber
 Width 87" I.D. (2210mm)
 Head area 2,610 sq. inches (1.68m²)
 BAH® area 3,567 sq. inches (2.3m²)
 Suspension 4 springs, 2 drag links
 Skids DUO-SKIDS®
 Suction & pressure hose 14" diameter (356 mm)
 Pressure bleeder Integral 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 pressure Automatically
 adjusts to requirement

Flexibility All directions integral
 anti-damage "swing away" relief valve
 Broom 43" 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
 Capacity 8 GPM (30.3 LPM)
 Reservoir 25 gal. (94.6 L) with 80 mesh suction
 strainer, sight/temperature gauge, cooler
 Filter 10 micron in-line

DUST CONTROL SYSTEM

System of water spray nozzles for airborne dust
 suppression
 Pump Electric diaphragm
 Reservoir(s) Polyethylene 220 gal. (832.7 L)
 with hydrant fill hose
 Filter 80 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 cab Dump
Steering Dual

SAFETY WARNING DEVICES

Amber rear mounted alternating flashing
 warning lights
 Amber high powered strobe light with limb guard
 Back up alarm

OPTIONAL EQUIPMENT

Abrasion protection package
 Auto Sweep Interrupt
 Auxiliary hand hose 8" dia. (203 mm)
 Auxiliary hand hose hydraulic boom assist
 Auxiliary hydraulic system
 Broom Assist Pick-up Head (BAH®)
 Cabover package includes 330 gallon
 (1249 L) water capacity
 Compressed Natural Gas (CNG) powered
 Dustless - (Model DST-6®)
 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 system

Hopper drain system
 Hose reel, 50' retractable
 Liquid recovery system
 Low emissions package
 Magnet
 Propane LPG powered
 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

Minimum Requirements

Model International 4300 M-7
 GVW 30,000 lbs. (13,620 kg)
 Frame 50,000 PSI
 Engine MaxxFORCE 7 365 CID (6.4 L)
 V8 Diesel - 200 HP
 Transmission Allison 2500 RDS series
 5 speed automatic w/external oil filter
 Alternator 110 amp
 Batteries (2) 12V 1300 CCA
 Wheelbase 152" (3861 mm)
 Fuel tank 50 gal. (189 L)
 shared with sweeper
 Tires (2-front, 4-rear) Tubeless 11R x 22.5
 Steering (Dual) Integral power assisted
 with tilt
 Brakes Dual Air w/ 13.2 CFM
 air compressor
 Instruments & lights Full package as required,
 back-up alarm
 Dual gauge package
 Mirrors Electric 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 only 87" (2210 mm)
 With 1 gutter broom 110" (2794 mm)
 With 2 gutter brooms 142" (3606 mm)

OVERALL DIMENSIONS (Approximate)

Length 248" (6299 mm)
 Width 96" (2438 mm)
 Height @ truck* 118" (2997 mm)
 Height less strobe light 103" (2616 mm)
 Empty weight* 17,195 lbs (7806 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.