SWEEPER AUXILIARY ENGINE

Engine ................................................................. John Deere, 4045 turbo, 4 cyl. (Final Tier 4)
Displacement................................................ 275 in³ (4.5 L)
Horsepower ......................................................... 156 hp @ 2200 RPM
Fuel tank capacity ............................................. 30 gal (114 L)
DEF Tank ............................................................... 2 gal (8 L)
Coolant capacity .................................................. 14 gal (54 L)

DUST SEPARATOR

Type ................................................................. Cyclonic, multipass, Centrífugal separation
Size ................................................................. 28 x 48 in (711 x 1219 mm)
Location ............................................................ Rear left, beneath auxiliary engine

Hopper ............................................................... 1

GUTTER BROOMS, TWIN, Patented

Brooms ............................................................... 43 in dia. (1.1 m) steel wire, anti-damage "swing away" relief valve
Pressure bleeder ................................................ Integral for brooms

HYDRAULIC SYSTEM

Drive ................................................................. Direct drive
Blower pump ...................................................... Heavy duty variable displacement piston pump, hydrostatically driven by hydraulic motor
Sweeper pump ................................................... Variable displacement piston pump, operates gutter brooms, pick-up head, stabilizers, hopper lift, hopper dump, and hopper door
Blower pump flow ............................................. 26 GPM (100 LPM)
Sweeper pump flow ........................................... 11 GPM (42 LPM)
BAH pump .......................................................... Gear pump, operates Broom Assist Head broom motor
BAH pump flow .................................................. 8 GPM (30 LPM)
Reservoir .......................................................... 34 gal (129 L)
Return filter ......................................................... 3 micron, spin-on
Charge loop filter ................................................ 10 micron
Vent filter .......................................................... 10 micron spin-on
Cooler ............................................................... Air to oil heat exchanger
Hydraulic level/temperature shutdown system
Hydraulic oil filter restriction indicator - in cab
Hydraulic oil sight/temperature gauge
Auxiliary hydraulic system

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression
Pump ................................................................. Electric diaphragm
Reservoirs ......................................................... Polyethylene, 250 gallons (946 L)
Filter ................................................................. 80 mesh stainless steel, in-line
Low water shut-off .............................................. Safety shut-off with low water warning light in cab
Spray nozzles: Pick-up head .................................. 4
Gutter brooms (each) ............................................ 2

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Hydraulic oil sight/temperature gauge
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SAFETY/WARNING DEVICES

BlutoLogic Control System utilizes solid-state power electronics to help provide several safety systems: Right and left stabilizers automatically deploy before raising the hopper and retract after lowering the hopper, stabilizers down warning system, transmission interlock when stabilizers are down, blower actuation interlock, and minimum dump interlock. Other devices include alternating LED rear flashes, front mounted SAE Class 1/California Title 13 amber beacon light (LED) w/ limb guard, back-up alarm, scissor lift safety props, dump door/lift cylinder safety props, and shop prop.

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/spray gun
Abrasion protection package
Auto Deep Cleanup (ADC)
AOD water pump w/washdown hose/spray gun
Abrasion protection package
Auto Deep Cleanup (ADC)

CAUTION

Use caution when picking up or depositing materials that could cause a risk of explosion. Always follow established safety guidelines.

BLUELOGIC® Control System

Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweep functions, as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

蜚雄® THE REGENERATIVE AIR SWEEPER®

FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

STORAGE COMPARTMENT

Location ............................................................ Rear left, beneath auxiliary engine
Dimensions .......................................................... 18 x 18 x 30 in (457 x 457 x 762 mm)

GENERAL SPECIFICATIONS

Sweeping efficiency ............................................. 98%
Power sweeping .................................................. 4 GPM (15 LPM)
Dust control effectiveness ....................................... 98%

BLUELOGIC DISPLAY

Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters (trip and total) for the auxiliary (AS) and shop air purge systems, service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and OBD.

INTERIOR COMPONENTS

Leak pressure bleeders, BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, blower RPM, dump cycle, variable speed gutter brooms, dust control water system nozzles, safety lights.

EXTERIOR COMPONENTS

BlueLogic multiplex modules

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