





GENERAL SPECIFICATIONS

MODEL 500X[®] REGENERATIVE AIR SWEEPER[®] FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

EngineJohn Deere, 4045 turbo, 4 cyl. (Final Tier 4)

Diesel fuel tank capacity...... 50 gal (189 L)

Fuel/water separator and separate fuel filter Open crankcase ventilation (OCV) filter

BLOWER, RUBBER LINED

- Drive Fixed displacement, heavy duty, bent axis hydraulic motor

DUST SEPARATOR

Abrasion resistant housing w/replaceable liner Self-opening, self-emptying when hopper tilts

HOPPER. STAINLESS STEEL

Volumetric canacity $5.7 \text{ yd}^3 (4.3 \text{ m}^3)$
Volumetric capacity5.7 yd ³ (4.3 m ³) Useable capacity4.0 yd ³ (3.06 m ³)
Construction
stainless steel plate w/integral stiffeners
Floor dump angle
Dump door opening68 x 57 in
(1727 x 1448 mm)
Dump door
Chute
stainless steel lined
Chute reach
Dumping directionRight side

Lifting methodTwo stage scissor lift, dual

- from bottom of chute to ground

Hopper drain system

BROOM ASSIST PICK-UP HEAD (BAH®)

Suspension...... 4 springs 2 drag links

South Coast AQMD Rule 1186 PM₁₀ Certified 1-800-258-9626 www.tymco.com

Pressure bleeder Integral for leaf/light material pick-up.

Reverse pick-up head system

GUTTER BROOMS, TWIN, Patented Standard equipment, includes floodlights and

- parabolic mirrors DriveVariable speed
- non-reversible hydraulic motor Adjustment......Adjustable for down pressure, pattern and wear

HYDRAULIC SYSTEM

- Drive Direct drive Direct drive Blower pump.......Heavy duty variable displacement piston pump, hydrostatically drives blower 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)

Hydraulic level/temperature shutdown system Hydraulic oil filter restriction indicator - in cab Hydraulic oil sight/temperature gauge Auxiliary hydraulic system

DUST CONTROL SYSTEM

- Sp<u>ray</u> nozzles:

CONTROL SYSTEM BlueLogic[®] Control System Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in och control to the quivilian unprice and all the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

BlueLogic Display

- Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters to the operator and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, water pump, and BAH broom if applicable; dump cycle counter, sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, and OBD. Interior Components
- Leaf pressure bleeder control, 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

STORAGE COMPARTMENT

Location Rear left, beneath auxiliary engine

SAFETY/WARNING DEVICES BlueLogic Control System utilizes solid-state proximity switches to help provide several safety systems: Right and left stabilizers automatically deploy before raising the beparer and rotract 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 flashers, front mounted SAE Class 1/California Title 13 amber beacon light (LED) w/ limb guard, back-up alarm, scissor lift safety props, and shop prop.

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/spray gun Abrasion protection package

- Air purge, water system
- Auto Sweep Interrupt (ASI) Auxiliary hand hose, 8 in (203 mm) diameter
- Camera/monitor system
- Engine block heater
- Gutter broom, drop down
- High output water system
- Hi/Low pressure washdown system Hopper load indicator alarms

- Hopper load indicator alarms Hopper vibrator electric Linear actuator pressure bleeder w/gauge Low emissions package (required for South Coast AQMD Rule 1186) Magnet, light, standard, or heavy duty Pick-up head front curtain lifter

- Sweeper deluge system, includes hopper and pick-up head deluge w/6 in (152 mm) cleanout port
- Screen vibrator pneumatic Paint color (other than TYMCO standard white)
- Special options are available for your individual requirements. Contact your local dealer or TYMCO.

CHASSIS AVAILABLE International 4300

Freightliner M2-106