





GENERAL SPECIFICATIONS

MODEL 500x® REGENERATIVE AIR SWEEPER® FINAL TIER 4 AUXILIARY ENGINE/CABOVER CHASSIS

	FINAL II
SWEEPER AUXILIA Engine	Deere, 4045 turbo, 4 cyl
BLOWER, RUBBER LI Aluminum alloy, high vo Purpose	lume, open face turbine reates blast and suction fetime lube, anti-friction

non-wiping, spring actuated Tilt-N-Seal® design Drive Fixed displacement, heavy duty, bent axis hydraulic motor **DUST SEPARATOR**

TypeCyclonic, multipass, centrifugal separation skimmer slots into hopper Abrasion resistant housing w/replaceable liner Self-opening, self-emptying when hopper tilts

HOPPER, STAINLESS STEEL from bottom of chute to ground Hopper drain system

BROOM ASSIST PICK-UP HEAD (BAH®) Type Dual chamber with broom assist Function Delivers air blast and suction

Suspension	2 in diameter (305 mm) 4 in diameter (356 mm) SKID®, long-life carbide ure bleeder w/gauge naterial pickup
non-reversible hydrau Adjustment	udes floodlights and
vertical diggers	Twin gutter brooms

HYDRAULIC SYSTEM Drive Direct drive Blower pump...... Heavy duty variable displacement piston pump, hydrostatically drives blower

adjust for curb depth

Sweeper pump Variable displacement piston pump, operates gutter brooms, pick-up head, stabilizers, hopper lift, hopper dump, and hopper door.

Return filter 3 micron, spin-on, in-line return Charge loop filter 10 micron

Cooler......Air to oil integral with auxiliary engine heat exchanger Hydraulic level/temperature shutdown system Hvdraulic oil filter restriction indicator - in cab Hydraulic oil sight/temperature gauge Auxiliary hydraulic system

Vent filter.....10 micron spin-on

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression Low water shut-off Safety shut-off with low water warning light in cab

CONTROL SYSTEM

BlueLogic® Control System

Multiplexed electrical system includes hardware and TYMCO designed software that integrates 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
(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

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

Exterior Components

BlueLogic multiplex modules

STORAGE COMPARTMENT
LocationRear left, beneath auxiliary engine

SAFETY/WARNING DEVICESBlueLogic Control System utilizes solid-state proximity switches 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 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 vibrator - electric
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

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

Peterbilt 220