







## 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) Displacement
BLOWER, RUBBER LINED Aluminum alloy, high volume, open face turbine Purpose

Bearings ....(2) sealed lifetime lube, anti-friction Drive .......Fixed displacement, heavy duty, bent axis hydraulic motor

**DUST SEPARATOR** Self-opening, self-emptying when hopper tilts

**HOPPER**, STAINLESS STEEL stainless steel plate w/integral stiffeners Floor dump angle..... Dump door opening......68 x 57 in (1727 x 1448 mm) .Self-locking stainless steel lined Chute reach.......... 22 in (56 cm) w/o side shift Hopper drain system

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

Suction hose
GUTTED RECOME TWIN Patented

iUIIEK BKOOMS, TWIN, Patented Standard equipment, includes floodlights and parabolic mirrors Drive ......Variable speed 

## **HYDRAULIC SYSTEM**

Drive Direct drive Blower pump Heavy duty variable
Blower pumpHeavy 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
Sweeper pump flow 11 GPM (42 LPM)
BAH pump
PALI nump flow 9 CDM (20 I DM)
BAH pump flow
Return filter 3 micron,
spin-on, in-line return
Charge loop filter 10 micron
Charge loop filter
CoolerAir to oil
integral with auxiliary engine heat exchanger

**DUST CONTROL SYSTEM** 

Hydraulic oil sight/temperature gauge Auxiliary hydraulic system

Spray nozzles: Hopper...... 1 Hydrant fill hose w/storage area ..... 20 ft (6 m)

Hydraulic level/temperature shutdown system Hydraulic oil filter restriction indicator - 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 sweeperfunctions; 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 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

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