





# **GENERAL SPECIFICATIONS**

# **MODEL 500x® REGENERATIVE AIR SWEEPER® CNG AUXILIARY ENGINE/CNG CHASSIS**

SWEEPER AUXILIARY ENGINE
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**BLOWER**, RUBBER LINED Drive ......Fixed displacement, heavy duty, hydraulic motor

**DUST SEPARATOR** Type ...... Cyclonic, multipass, Location ...... Inside hopper Particulate removal achieved through dual skimmer slots into hopper Housing ... Abrasion resistant, replaceable liner Self-opening, self-emptying when hopper tilts

Hopper drain system
BROOM ASSIST PICK-UP HEAD (BAH*) Type

Pressure bleeder	Integral for
leaf/light material pick-up.	3
Reverse pick-up head systen	1

**GUTTER BROOMS, TWIN, Patented** Standard equipment, includes floodlights and parabolic mirrors Adjustment......Adjustable for down pressure, pattern and wear Down pressure ...... Automatically adjusts to requirement 

# **HYDRAULIC SYSTEM**

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 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: 

**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 enginé 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

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

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## STORAGE COMPARTMENT

(457 x 457 x 762 mm)

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 bepore and retreet 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 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 lócal dealer or TYMCO

### CHASSIS AVAILABLE

Freightliner M2-112