





GENERAL SPECIFICATIONS

MODEL 500x® HIGH DUMP REGENERATIVE® AIR STREET SWEEPER CNG AUXILIARY ENGINE / CNG CONVENTIONAL CAB CHASSIS

BLOWER, RUBBER COATED

Aluminum álloy, high volume, open face Bearings ... (2) sealed lifetime lube, anti-friction HousingPatented, isolation mounted, steel with abrasion resistant, replaceable liner Housing seal.....Heavy rubber section, non-wiping, spring actuated Tilt-N-Seal® design

DUST SEPARATOR, RUBBER LINED

(122 cm) 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
Reverse pick-up head system

GUTTER BROOMS, TWIN, Patented

DriveVariable speed non-reversible hydraulic motor

HYDRAULIC SYSTEM

Drive Direct drive
Blower pump. Heavy duty variable
displacement piston pump, hydrostatically drives blower head, stabilizers, hopper lift, hopper dump, and hopper door. Sweeper pump flow rate......11 GPM (42 LPM)

Cooler Air to oil Hydraulic level/temperature shutdown system w/ temperature gauge in cab Hydraulic oil filter restriction indicator in cab Hýdraulic oil sight/temperature gauge

DUST CONTROL SYSTEM

Auxiliary hydraulic system

Water spray nozzles for dust suppression

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 and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, water pump, and BAH broom; dump cycle counter, sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm dust control system. water audible alarm, dust control system winterization guide, and OBD.

Interior Components

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 Control Modules (BCMs)

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 inclinometer, alternating LED devices include inclinometer, alternating LED rear flashers, front mounted SAE Class 1/California Title 13 amber beacon light (LED) w/ limb guard, rear view camera system, back-up alarm, scissor lift safety props, dump door/tilt cylinder safety props, and shop prop.

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/spray gun Abrasion protection package Additional camera views - pick-up head, left gutter broom, right gutter broom Auto Sweep Interrupt (ASI) Auxiliary hand hose, 8 in (20 cm) diameter Gutter broom, drop down High output water system Hopper load indicator alarms w/gauge Hopper vibrator - electric 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

Shop air purge, dust control system
Sweeper deluge system, includes hopper and
pick-up head deluge w/6 in (15 cm) cleanout port
Screen vibrator - pneumatic
Paint color (other than TYMCO standard white)

Special options are available. Contact your local dealer or TYMCO

CHASSIS AVAILABLE

Freightliner M2-112 CNG