





GENERAL SPECIFICATIONS

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

EngineKEM/GM Vortec 5700 CNG
Displacement
CNG fuel rack capacity60 DGE (227 DLE) Auxiliary engine shutdown system Remote engine oil cooler

BLOWER, RUBBER LINED

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

RROOM ASSIST PICK-LIP HEAD (RAH®)

BROOM ASSIST FICK-UP HEAD (BAH')
TypeDual chamber with broom assist
Function Delivers air blast and suction
Width87 in (2210 mm)
Pick-up head area
Broom 12 x 79 in (305 x 2007 mm)
enclosed in rear of pick-up head
Suspension4 springs 2 drag links
Suction hose12 in diameter (305 mm)
Pressure hose14 in diameter (356 mm)
Skids DUO SKID®, long-life carbidé

Reverse pick-up head system

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 controls to the auxiliary engine and all sweeper functions; as well as provides intelligent controls and on-hoard diagnostics (OBD) 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

BlueLogic multiplex modules

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 hopper and retract after lowering the hopper, stabilizers down warning system transmission interlock when 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