MODEL 500x® REGENERATIVE AIR SWEEPER

CNG AUXILIARY ENGINE/CNG CHASSIS

**SWEEPER AUXILIARY ENGINE**
- Engine: KEM/GM Vortec 5700 CNG
- Displacement: 350 in³ (5.7 L)
- Power: 136 HP (101 kW) @ 2650 RPM
- Torque: 284 lb-ft (385 Nm) @ 2100 RPM
- Fuel: CNG

**GUTTER BUMBS, TWIN, Patented**
- Standard equipment, includes dual rotatable mirrors
- Drive: Direct drive
- Pressure: 24 in (610 mm)
- Lift capacity: 10,000 lbs (4536 kg)

**HYDRAULIC SYSTEM**
- Drive: Direct drive
- Pump: Gear pump
- Flow: 8 GPM (30 LPM)
- Cooler: Air to oil

**DUST SEPARATOR**
- Type: Cyclonic, multpass, centrifugal separation
- Capacity: 5.7 yd³ (4.3 m³)
- Useable capacity: 4.0 yd³ (3.06 m³)
- Construction: Welded non-magnetic stainless steel plate w/integral stiffeners

**HOPPER, STAINLESS STEEL**
- Volumetric capacity: 4.0 yd³ (3.06 m³)
- Construction: Welded non-magnetic stainless steel plate w/integral stiffeners
- Floor dump angle: 50°
- Location: Inside hopper

**HOPPER ASSIST PICK-UP HEAD (BAH)®**
- Type: Dual chamber with broom assist function
- Function: Delivers air blast and suction
- Width: 10,000 lbs (4536 kg)
- Diameter: 12 x 79 in (305 x 2007 mm)
- Enclosed in rear of pick-up head

**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, dust control system winterization guide, and OBD.

**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.

**OPTIONAL EQUIPMENT**
- AOD water pump w/washdown hose/spray gun
- Abrasion protection package
- Auto Sweeper Interrupt (ASI)
- Auxiliary hand hose, 8 in (203 mm) diameter
- Camera/monitor system
- 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
- Shop air purge, dust control system
- Sweeper deluge system, includes hopper and pick-up head deluge w/6 in (152 mm) cleanout port
- Screen vibrator - pneumatic

**CHASSIS AVAILABLE**
- Freightliner M2-112