### MODEL 600® REGENERATIVE® AIR STREET SWEEPER

#### CNG AUXILIARY ENGINE / CNG CHASSIS

**SWEEPER AUXILIARY ENGINE**
- Engine: KEM/GM Vortec 5700 CNG
- Displacement: 350 in³ (5.7 L)
- Power: 124 HP @ 2400 RPM (92 kW)
- Net torque: 284 lb-ft @ 2100 RPM (385 Nm)
- Air cleaner: Heavy duty, w/pre-cleaner, scavenge vacuum hose, and in-cab air restriction indicator w/gauge.
- Oil filter: Spin on, full flow
- Auxiliary engine fuel rack shared with chassis

**BLOWER, RUBBER LINED**
- Aluminum alloy, high volume, open face turbine
- Purpose: Creates blast and suction

**DUST SEPARATOR**
- Type: Cyclonic, multipass, centrifugal separation
- Size: 20 x 61 in (cylindrical area)
- Located adjacent to blower within hopper
- Particulate removal achieved through 61 in (1549 mm) skimmer slot into skimmer hood
- Hinged inspection door opened from hopper exterior
- Abrasion resistant housing w/replaceable liner

**DUST CONTROL SYSTEM**
- Water spray nozzles for dust suppression
- Pump: Electric diaphragm
- Reservoir: Polyethylene 220 gal (833 L), total minimum
- Filter: 80 mesh in-line
- Low water shut-off: Safety shut-off with audible and visual indicator in cab
- Spray nozzles: Around pick-up head
- Gutter brooms (each): 2
- Hopper (inside): 1
- Hydraulic fill hose w/storage area: 20 ft (6 m)

#### GUTTER BROOM, TWIN, Patented
- Standard equipment includes floodlights and parabolic mirrors
- Drive: Constant speed non-reversible hydraulic motor
- Adjustment: Adjustable for down pressure, pattern and wear
- Down pressure: Automatically adjusts to requirement
- Flexibility: All directions integral anti-damage “swing away” relief valve
- Broom: 43 in dia. (1092 mm) steel wire, vertical digger

#### HYDRAULIC SYSTEM
- Operates gutter broom(s), dump and pick-up head
- Drive: Belt driven from auxiliary engine
- Flow rate: 8 GPM (30.3 LPM)
- Reservoir: 25 gal (94.6 L)

#### HOPPER
- Capacity (volumetric): 7.3 yd³ (5.6 m³)
- Capacity (useable): 6 yd³ (4.6 m³)
- Construction: Welded steel plate with integral stiffeners
- Floor angle: 22°
- Dump door opening: 84 x 44 in (2134 x 1118 mm)
- Dumping method: Hydraulically
- Pickup head deluge: 36 in (914 mm)

#### PICK-UP HEAD
- Type: Dual chamber
- Function: Delivers air blast and suction
- Width (inside dimension): 87 in (2210 mm)
- Std. pick-up head area: 2610 in² (1.68 m²)
- BAH® option area: 3567 in² (2.3 m²)
- Suspension: 4 springs, 2 drag links
- Skids: DUO SKID®, long-life carbide
- Suction hose diameter: 14 in (356 mm)
- Pressure hose diameter: 14 in (356 mm)
- Pressure bleeder: Integral for leaf/light material pickup
- Reverse pick-up head system

#### 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; 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.

#### INTERIOR COMPONENTS
- Leaf pressure bleeder control, BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, dust control system, water system nozzles, safety lights.

#### EXTERIOR COMPONENTS
- Dump switch, BlueLogic multiplex module

#### SAFETY/WARNING DEVICES
- Alternating LED rear flashers (2)
- Back-up alarm
- SAE Class 1/California Title 13 amber beacon

#### OPTIONAL EQUIPMENT
- AOD water pump w/washdown hose/spray gun
- Abrasion protection package
- Auto Sweep Interrupt (ASI)
- Auxiliary hand hose 8 in dia. (203 mm)
- Auxiliary hand hose hydraulic boom assist
- Auxiliary hand hose catch basin cleaning package
- Auxiliary hydraulic system
- Broom Assist Pick-Up Head (BAH®)
- Camera/monitor system
- COMDEX (extra water and tool box) 330 gal (1249 L) total capacity (171” WB Autocar chassis only)
- Gutter boom tilt adjuster(s) (left, right, or twin)
- Gutter boom variable speed
- Gutter boom drop-down
- High output water system
- Hopper deluge system
- Hopper drain system
- Linear actuator - pressure bleeder w/gauge
- Liquid recovery system
- Low emissions package (required for South Coast AQMD Rule 1186)
- Magnet, light, standard, or heavy duty
- Pick-up head curtain lifter
- Pick-up head deluge
- Shop air purge, dust control system
- Spark resistant skids
- Stainless steel options:
  - Hopper: Hopper weldment
  - Dump door
  - Inspection doors
  - Raker plate
  - High capacity dust separator
  - Hopper screen
  - Blower housing
  - High capacity dust separator
  - Hopper drain
- Paint color (other than TYMCO standard white)

#### SPECIAL OPTIONS ARE AVAILABLE FOR YOUR INDIVIDUAL REQUIREMENTS. CONTACT YOUR LOCAL DEALER OR TYMCO.

#### CHASSIS AVAILABLE
- Freightliner M2-112 CNG - 176 in wheelbase
- Autocar Xpert CNG - 157 in wheelbase
- Autocar Xpert CNG - 171 in wheelbase (COMDEX)

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North Coast AQMD Rule 1186 PM₁₀ and Rule 1186.1 Alternative Fuel Certified

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