





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

### **SWEEPER AUXILIARY ENGINE**

in-cab air restriction indicator w/gauge. Remote engine oil cooler

### **BLOWER, RUBBER COATED**

Aluminum alloy, high volume, open face turbine

### **DUST SEPARATOR, RUBBER LINED**

(122 cm) skimmer slots into hopper Housing ...Abrasion resistant, replaceable liner Self-opening, self-emptying when hopper tilts

Stall liess steel lilled
Chute reach
Dump directionRight side
Lifting method Two stage scissor lift, dual
hydraulic cylinders w/integral holding valves Lift capacity10,000 lbs (4536 kg)
Lift capacity
Floor dump angle
Dump height
Minimum
from bottom of chute to ground
Maximum
from bottom of chute to around

- Hopper drain system

**GUTTER BROOMS, TWIN, Patented** 

- Drive Variable speed
- Adjustment...... Adjustable for down pressure, pattern and wear
- Hydraulic tilt......Adjust for curb depth Floodlights......(2) LED Parabolic mirrors.....(2) 10.5 in (26.67 cm) dia.

## **HYDRAULIC SYSTEM**

- drives blower
- Blower pump flow rate ...... 26 GPM (100 LPM) Sweeper pump ...... Variable displacement piston pump, operates gutter brooms, pick-up
- 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 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 audible and visual indicator in cab 

**CONTROL SYSTEM** BlueLogic<sup>®</sup> 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 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

SAFELT/ WARKING 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**

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