





# MODEL 435<sup>®</sup> MID-SIZE REGENERATIVE<sup>®</sup> AIR SWEEPER DIESEL AUXILIARY ENGINE / DIESEL CONVENTIONAL CAB CHASSIS

## SWEEPER AUXILIARY ENGINE

## **BLOWER**, RUBBER COATED

#### DUST SEPARATOR, RUBBER LINED

Type .....Cyclonic, multipass, centrifugal separation Cylindrical area......20 x 22.5 in (51 x 57 cm)

Location ...... Adjacent to hopper Particulate removal achieved through 22.5 in

(57 cm) skimmer slot into skimmer hood Inspection/cleanout port

#### HOPPER

|                          | 4.0 yd <sup>3</sup> (3.06 m <sup>3</sup> )            |
|--------------------------|---|
| Capacity (useable)       | 3.1 yd³ (2.37 m³)                                     |
|                          | Welded steel plate                                    |
| Dump door opening        | 77.25 x 70 in   |
| (196 x 178 cm)           |   |
| Inspection door          | (1) Right side of hopper<br>x 8.5 in (21.5 x 21.5 cm) |
| 8.5                      | x 8.5 in (21.5 x 21.5 cm)                             |
| Dump method              | Hydraulic tilt  |
| Dump direction           | Rear  |
| Dump floor angle         |   |
| Dump height              |   |
|                          | t165.5 in (420 cm)                                    |
| Dump door hydraulical    | ly opened/closed                                      |
| Hopper screen lifts with | door for easy cleaning                                |
| Abrasion protection pa   | ckage   |
|                          | 0   |

#### STORAGE COMPARTMENTS

# PICK-UP HEAD

| Туре                     | Dual chamber                                |
|--------------------------|---|
| Width (inside dimension) | )   |
| Pick-up head area        | 2028 in <sup>2</sup> (1.31 m <sup>2</sup> ) |
| Suspension(4)            | springs, (2) drag links                     |
| SkidsDUO-S               | SKID <sup>®</sup> , long life carbide       |
| Suction hose diameter    |   |
| Pressure hose diameter   |   |
| Pressure bleeder         | Cable operated                              |

Removeable suction tube Reverse pick-up head system

#### **GUTTER BROOMS, TWIN, Patented**

Drive .....Constant speed non-reversible hydraulic motor

Adjustment..... Adjustable for down pressure, pattern and wear

Down pressure ......Automatic Flexibility.....Integral anti-damage "swing away" relief valve

anti-damage "swing away" relief valve Broom ......Steel wire vertical digger 43 in dia. (109 cm)

Floodlights ......(2) LED Parabolic mirrors .....(2) 10.5 in (26.67 cm) dia.

# **HYDRAULIC SYSTEM**

Hydraulic oil ...... Extended life 10W ISO 46 Cooler .......Air to oil

#### **DUST CONTROL SYSTEM**

| Water spray nozzles for dust suppression     |
|--|
| Pump Electric diaphragm                      |
| Reservoir Polyethylene, 150 gal (567.7 L)    |
| Filter80 mesh in-line                        |
| Low water shut-offSafety shut-off            |
| with audible and visual indicator in cab     |
| Spray nozzles At gutter brooms               |
| and inside hopper                            |
| Fire hydrant hose connection                 |
| Hydrant fill hose w/storage area 20 ft (6 m) |
|  |
| CONTROL EVETEM                               |

#### 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 sweeper and auxiliary engine data and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, and water pump; 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

Pressure bleeder control, BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, dust control water system nozzles, safety lights

#### Exterior Components

Dump switch, BlueLogic Control Module (BCM)

# SAFETY/WARNING DEVICES

Alternating LED rear flashers (2) Rear view camera system Back-up alarm Hopper safety prop

#### **OPTIONAL EQUIPMENT**

Auto Sweep Interrupt (ASI) Auxiliary hand hose 6 in (15 cm) dia. Auxiliary hydraulic system Camera/monitor systems: Additional camera views: Pick-up head view Gutter broom view - left and/or right CurbView camera system Gutter broom tilt adjuster(s) (left, right, or twin) Gutter broom variable speed Gutter broom drop-down High output water system Hi/Low washdown system Hopper drain system Hopper deluge system Light bar, cab mounted, LED Linear actuator - pressure bleeder with gauge Low emissions package (required for South Coast AQMD Rule 1186) Magnet: Light or standard duty Pick-up head curtain lifter Shop air purge, dust control system Sound Reduction Engineering (SRE®) Stainless steel (non-magnetic) options: Hopper: Hopper weldment Hopper door Hopper screen Inspection door Skimmer hood Suction inlet tube Blower housing Dust separator Hopper drain Hopper inspection door Hopper screen Auxiliary hand hose hardware Paint color (other than TYMCO standard white) Special options are available. Contact your local dealer or TYMCO.

#### CONVENTIONAL CAB CHASSIS AVAILABLE

Freightliner M2-106