### General Specifications

#### Sweeper Auxiliary Engine
- Engine: John Deere 4045 turbo FT4, 4 cyl.
- Displacement: 99 in³ (1.6 L)
- Power: 275 hp @ 2200 RPM (74 kW)
- Net torque: 315 lb-ft @ 1600 RPM (427 Nm)
- Air cleaner: Heavy duty, w/pre-cleaner, scavenge vacuum hose, and in-cab air restriction indicator w/gauge.
- Remote oil filter: Spin on, full flow
- Auxiliary engine fuel tank shared with chassis
- Diesel fuel tank capacity: 51 gal (193 L)
- DEF tank: Dedicated
- Capacity (useable): 3.8 gal (14.4 L)
- Capacity (volumetric): 5.4 gal (20.6 L)
- Auxiliary engine protection system
- Fuel/water separator and separate fuel filter
- Open crankcase ventilation (OCV) filter

#### BLOWER, RUBBER LINED
- Aluminum alloy, high volume, open face turbine
- Purpose: Creates blast and suction
- Bolt-on housing: Steel w/abrasion resistant, replaceable liner
- Drive: Heavy duty power band

#### DUST SEPARATOR
- Type: Cyclonic, multipass, centrifugal separation
- Size: 20 x 61 in (508 x 1549 mm)
- 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 wear resistant liner

#### 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: Hydraulic with raker bar
- Dumping height: 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 (16.8 m²)
- BAH® option area: 3567 in² (23 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

#### HYDRAULIC SYSTEM
- Water spray nozzles for dust suppression
- Spray nozzles: 3 micron in-line
- Temperature shutdown system

#### DUST CONTROL SYSTEM
- Water pump: Electric diaphragm
- Reservoir: 25 gal (94.6 L)
- Flow rate: 8 gpm (30.3 LPM)
- Pressure bleeder: Integral for pressure hose diameter 14 in (356 mm)
- Suction hose diameter: 14 in (356 mm)

#### 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; sweeperodometer (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 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 light with limb guard - LED

#### 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)
- High pressure washdown system
- High output water system
- Hopper deluge system
- Hopper drain system
- Lateral airflow nozzle
- 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.

### Conventional Cab Chassis Available
- International 4300
- International MV607
- Freightliner M2-106