### MODEL HSP® REGENERATIVE® AIR AIRPORT RUNWAY SWEEPER

#### DIESEL AUXILIARY ENGINE / DIESEL CABOVER CHASSIS

### SWEEPER AUXILIARY ENGINE
- **Engine**: John Deere 4045 turbo FT4, 4 cyl.
- **Displacement**: 94 cu in (1.5 L)
- **Power**
  - Standard engine: 237 HP @ 2200 RPM (74 kW)
  - Auxiliary engine: 89 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**
- **Capacity (useable)**: 3.8 gal (14.4 L)
- **Capacity (volumetric)**: 5.4 gal (20.6 L)
- **Diesel fuel tank capacity**: 51 gal (193 L)

### GUTTER BROOM, TWIN, Patented
- **Drive**: Gear driven from auxiliary engine
- **Flow rate**: 8 GPM (30.3 LPM)
- **Reservoir**: 30 gal (114 L) w/3 micron in-line filter
- **Filter**: 80 mesh in-line

### DUST CONTROL SYSTEM
- **Spray nozzles**: with audible and visual indicator in cab
- **Filter**: 330 gal (1249 L) total
- **Reservoir**: Polyethylene
- **Flow rate**: 8 GPM (30.3 LPM)
- **Drive**: Gear driven from auxiliary engine

### DUST SEPARATOR, HIGH CAPACITY
- **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 diameter (1092 mm) steel wire, vertical digger**
- **Temperature shutdown system**
- **Spray nozzles**: for dust suppression
- **Filter**: 3 micron in-line

### 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.

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

### SAFETY/WARNING DEVICES
- **Alternating LED rear flashers**: (2)
- **Back-up alarm**: SAE Class 1/California Title 13 amber beacon light with limbo 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**
- **Camera monitor system**
- **Gutter broom tilt adjuster(s) (left, right, or twin)**
- **Gutter broom variable speed**
- **Gutter broom drop-down**
- **Hi/Low pressure washdown system**
- **High output water system**
- **Hopper deluge system**
- **Hopper drain system**
- **Lateral airflow nozzle**
- **Liquid recovery system**
- **Low emissions package** (required for South Coast AQMD Rule 1186)
- **Magnet, light, standard, or heavy duty**
- **Pick-up head curtain lifter**
- **Shop air purge, dust control system**
- **Spark resistant skids**
- **Stainless steel options:**
- **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.**

### CABOVER CHASSIS AVAILABLE
- **Peterbilt 220**
- **Autocar Xpert**

### GENERAL SPECIFICATIONS

**Interior Components**
- **BlueLogic display**, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, leaf pressure bleeder, dust control water system nozzles, safety lights.
- **Braking System**: three axles with air brakes, drum brakes, ABS
- **Emergency brake**: spring assisted wheel brakes
- **Parking brake**: self-adjusting wheel brakes
- **Camelopard® Safety Flywheel V83**: protects motor from over speed and over load
- **Coil-over spring suspension**: independent front suspension, twin tube shock absorbers, adjustable coil-over suspension, high capacity, low profile
- **Spray in-cab air restriction indicator w/gauge.**
- **High pressure bleeder, dust control water pressure system nozzles, safety lights.**

**Photos may contain optional equipment. Specifications subject to change without notice.**