



# 210h<sup>®</sup>

AIR SWEEPER

## GENERAL SPECIFICATIONS



# MODEL 210h<sup>®</sup> REGENERATIVE<sup>®</sup> AIR PARKING LOT SWEEPER

## HYDROSTATIC DRIVE / GASOLINE CONVENTIONAL CAB CHASSIS

### HYDRAULICS

#### hDRIVE<sup>®</sup> POWER SYSTEM

Main pump..... Piston pump  
Reservoir..... 17 gal (64 L)  
Main system pressure ... 3200 psi (22,063 kPa)  
Main pump drive..... Direct drive  
    from transmission PTO, operates blower,  
    dump door, and pick-up head  
Broom pump..... Vane type  
    Belt driven from blower shaft  
Filter..... 10 µm in-line  
Hydraulic oil..... Extended life 10W ISO 46  
Cooler..... Air to oil  
    w/thermostatically controlled electric fan  
Hydraulic level/temperature shutdown system  
Hydraulic oil filter restriction indicator  
Hydraulic oil sight/temperature gauge

### BLOWER

Aluminum alloy, high volume, open face  
turbine  
Bearings..... (2) Anti-friction  
Housing..... Steel w/abrasion resistant,  
    replaceable liner  
Drive..... Hydraulic direct drive

### DUST SEPARATOR

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

Capacity (volumetric)..... 2.4 yd<sup>3</sup> (1.83 m<sup>3</sup>)  
Capacity (useable)..... 2.1 yd<sup>3</sup> (1.61 m<sup>3</sup>)  
Construction..... Welded steel plate  
Dump door opening..... 52 x 23 in  
    (132 x 58.5 cm)  
Dump door hydraulically opened/closed  
Dump method..... Hydraulic tilt  
Dump direction..... Rear  
Dump floor angle..... 37°  
Dump height (F-450)..... 58 in (147 cm)  
Dump height (F-350)..... 55 in (140 cm)  
Dump clearance height.....  
    (F-450)..... 142 in (360.5 cm)  
    (F-350)..... 139 in (353 cm)

### PICK-UP HEAD

Type..... Dual chamber  
Width (inside dimension)..... 78 in (198 cm)  
Pick-up head area..... 2028 in<sup>2</sup> (1.31 m<sup>2</sup>)  
Suspension..... (4) springs, (2) drag links  
Skids..... DUO-SKID<sup>®</sup>, long life carbide  
Suction hose diameter..... 12 in (30.5 cm)  
Pressure hose diameter..... 12 in (30.5 cm)  
Pressure bleeder..... Cable operated  
Reverse pick-up head system

### GUTTER BROOM, LEFT, 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  
Broom..... Poly wafer 36 in (91 cm)  
Floodlight..... LED  
Parabolic mirror..... 10.5 in (26.67 cm) dia.

### CONTROL SYSTEM

#### BlueLogic<sup>®</sup> Control System

Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to all sweeper functions; as well as provides intelligent safety features, assists in troubleshooting through LED input/output diagnostics, and controls the hDrive Power System. Specific to the 210h, BlueLogic communicates with the truck to engage the PTO and maintain the blower at a constant speed (low or high), and monitors and controls the hydraulic oil level and temperature shutdown system.

#### Interior Components

Pressure bleeder control, illuminated control switches: pick-up head, gutter broom, blower on/off (2 speeds), dust control water system nozzles (if applicable), safety lights

#### Exterior Components

Dump switch, BlueLogic Control Module (BCM)

### SAFETY/WARNING DEVICES

Rear view camera system  
Back-up alarm  
Alternating LED rear flashers (2)  
BlueLogic<sup>®</sup> Control System provides several safety interlocks which includes stopping the blower when the hopper is raised/hopper door is opened, shutting down the hydraulic system when hydraulic oil temperature is too high or the level is too low and disengaging the PTO and raising the pick-up head when excessive ground speed is met (default is 18 mph). It also provides ASI.  
Hopper safety prop

### OPTIONAL EQUIPMENT

Abrasion protection package  
Additional camera view - pick-up head  
Amber beacon light  
Auxiliary fuse panel  
Auxiliary hand hose 6 in (15 cm) dia.  
Backpack blower storage box  
Dust control system..... 30 gal (113 L)  
Gutter broom..... Right (in lieu of left)  
    Broom..... Poly digger  
    32 in (81 cm) (Ford F-450 only)  
Hopper drain system  
Hopper slide-out screen  
Hydraulic tank heater  
Light bar, cab mounted, LED  
Magnet, front bumper mounted, light duty  
Rubber coated blower  
Shop air purge, dust control system  
Stainless steel (non-magnetic) options:  
    Hopper:  
        Hopper weldment  
        Hopper door  
        Inspection door  
        Skimmer hood  
        Slide-out hopper screen  
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.*

### CHASSIS AVAILABLE

Ford F-450 Gasoline  
Ford F-350 Gasoline