



# 210h<sup>®</sup>

AIR SWEEPER

## GENERAL SPECIFICATIONS



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

## HYDROSTATIC DRIVE / 2020 GASOLINE CONVENTIONAL CAB CHASSIS

### HYDRAULICS hDRIVE<sup>®</sup> POWER SYSTEM

Main pump type ..... 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 micron in-line  
 Hydraulic oil ..... Extended life  
 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  
 Purpose ..... Creates air blast and suction  
 Bearings ..... 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 (508 x 1549 mm)  
 Location ..... Adjacent to hopper  
 Particulate removal achieved through 22.5 in (572 mm) skimmer slot into skimmer hood  
 Inspection/cleanout port w/extended plug handle

### 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 (1321 x 584 mm)  
 Dump door hydraulically opened/closed  
 Dumping method ..... Hydraulic with tilt up  
 Dumping height (F-450) ..... 58 in (1473 mm)  
 Dumping height (F-350) ..... 55 in (1397 mm)  
 Dumping clearance height .....  
 (F-450) ..... 142 in (3607 mm)  
 (F-350) ..... 139 in (3531 mm)  
 Hopper drip edge extension

### PICK-UP HEAD

Type ..... Dual chamber  
 Function ..... Delivers air blast and suction  
 Width (inside dimension) ..... 78 in (1981 mm)  
 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 (305 mm)  
 Pressure hose diameter ..... 12 in (305 mm)  
 Pressure bleeder ..... Integral for leaf/light material pickup  
 Reverse pick-up head system

### GUTTER BROOM, LEFT, Patented

Standard equipment includes floodlight and parabolic mirror  
 Drive ..... Constant speed non-reversible hydraulic motor  
 Adjustment ..... Adjustable for down pressure, pattern and wear  
 Down pressure ..... Automatically adjusts to requirement  
 Flexibility ..... All directions, Integral anti-damage "swing away" relief valve  
 Broom ..... Poly wafer 36 in (914 mm)

### 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

Leaf 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 multiplex module

### SAFETY/WARNING DEVICES

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 when excessive ground speed is met (default is 18 mph). It also provides ASI, which will lift the gutter broom when the transmission is placed in reverse.  
 Hopper safety prop

### OPTIONAL EQUIPMENT

Abrasion protection package  
 Amber beacon light  
 Auxiliary fuse panel  
 Auxiliary hand hose 6 in dia. (152 mm)  
 Backpack blower storage box  
 Camera/monitor system  
 Dust control system ..... 30 gal (113 L)  
 Gutter broom ..... Right (in lieu of left)  
 Broom ..... Poly digger 32 in (812.8 mm) (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 lined blower  
 Shop air purge, dust control system  
 Stainless steel 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 for your individual requirements. Contact your local dealer or TYMCO.*

### CHASSIS AVAILABLE

Ford F-450 Gasoline  
 Ford F-350 Gasoline