



210h[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210h[®] REGENERATIVE[®] AIR PARKING LOT SWEEPER

HYDROSTATIC DRIVE / DIESEL CONVENTIONAL CAB CHASSIS

HYDRAULICS hDRIVE[®] POWER SYSTEM

Main pump type Piston pump
 Reservoir 17 gal (64 L)
 Main system pressure ... 3500 psi (24,132 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 yd³ (1.83 m³)
 Capacity (useable) 2.1 yd³ (1.61 m³)
 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 in² (1.31 m²)
 Suspension 4 springs, 2 drag links
 Skids DUO-SKID[®], 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 LED 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[®] 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

Rear view camera system
 Back-up alarm
 Alternating LED rear flashers (2)
 BlueLogic[®] 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
 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 Diesel
 Ford F-350 Diesel