



210h[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



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

HYDROSTATIC DRIVE / GASOLINE CONVENTIONAL CAB CHASSIS

HYDRAULICS

hDRIVE[®] 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 micron 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 yd³ (1.83 m³)
 Capacity (useable) 2.1 yd³ (1.61 m³)
 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 in² (1.31 m²)
 Suspension 4 springs, 2 drag links
 Skids DUO-SKID[®], 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[®] 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[®] 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