



210h[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



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

HYDROSTATIC DRIVE / DIESEL CONVENTIONAL CAB CHASSIS

HYDRAULICS

hDRIVE[®] POWER SYSTEM

Main pump..... 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
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
Dump method..... Hydraulic with tilt up
Dump height (F-450)..... 58 in (1473 mm)
Dump height (F-350)..... 55 in (1397 mm)
Dump clearance height.....
(F-450)..... 142 in (3607 mm)
(F-350)..... 139 in (3531 mm)
Hopper drip edge extension

PICK-UP HEAD

Type..... Dual chamber
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

Includes LED floodlight and parabolic mirror
Drive..... Constant speed
non-reversible hydraulic motor
Adjustment..... Adjustable for
down pressure, pattern and wear
Down pressure..... Automatic
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 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 when excessive ground speed is met (default is 18 mph). It also provides ASI, which raises the gutter broom when the transmission is placed in reverse.
Hopper safety prop

OPTIONAL EQUIPMENT

Abrasion protection package
Additional camera views - pick-up head, gutter broom
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