



210h[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210h[®] REGENERATIVE AIR SWEEPER[®]
HYDROSTATIC DRIVE/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 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 60 in (1524 mm)
Dumping clearance height 144 in (3645 mm)

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 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

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
Air purge, dust control system
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 or steel 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
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
Ford F-350