



210[®]
AIR SWEEPER



GENERAL SPECIFICATIONS



MODEL 210[®] REGENERATIVE[®] AIR PARKING LOT SWEEPER
GASOLINE AUXILIARY ENGINE / GASOLINE CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

Engine EDI/Ford MSG-425 EFI, 4 cyl.
Displacement..... 152.5 in³ (2.5 L)
Power..... 56 hp (41.7 kW) @ 2100 RPM
Net torque..... 140 lb-ft (190 Nm) @ 2100 RPM
Air cleaner Heavy duty, w/pre-cleaner
Oil filter Spin on, full flow
Cooling Liquid
Auxiliary engine fuel tank independent from chassis fuel tank
Aux. engine fuel tank capacity 19 gal (72 L)
Auxiliary engine protection system
Fuel filter

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 Heavy duty power band

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

HYDRAULIC SYSTEM

Operates gutter broom(s), dump door and pick-up head
Drive Belt driven from auxiliary engine
Flow rate 5 GPM (18.925 LPM)
Reservoir 8 gal (30.3 L) w/80 mesh suction strainer, sight/temperature gauge, oil cooler
Filter..... 10 micron in-line
Hydraulic oil Extended life

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 the auxiliary engine and sweeper functions; as well as provides intelligent safety features and On-Board Diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

BlueLogic Display

Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters (trip and total) for the auxiliary engine, gutter broom(s), pick-up head, blower, and water pump (if applicable), sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm (if applicable), dust control system winterization guide, and OBD.

Interior Components

Leaf pressure bleeder control, BlueLogic display, illuminated control switches: pick-up head, gutter broom(s), auxiliary engine RPM, 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)
Hopper safety prop

OPTIONAL EQUIPMENT

Abrasion protection package
Amber beacon light, LED
Auto Sweep Interrupt (ASI)
Auxiliary fuse panel
Auxiliary hand hose 6 in (152 mm) dia.
Backpack blower storage box
Dust control system 30 gal (113 L)
Gutter broom(s) Right (in lieu of left) or twin
Broom..... Poly or steel wire digger
32 in (812.8 mm) (Ford F-450 only)
Hopper drain system
Hopper slide-out screen
Hopper up alarm
Light bar, cab mounted, LED
Linear actuator - pressure bleeder with gauge
Low emissions package (required for South Coast AQMD Rule 1186, not applicable with high output water system)
Magnet, front bumper mounted, light duty
Rubber lined blower
Shop air purge, dust control system
Sound Reduction Engineering (SRE[®])
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.

CONVENTIONAL CAB CHASSIS AVAILABLE

Ford F-450 Gasoline
Ford F-350 Gasoline