



**210**<sup>®</sup>  
AIR SWEEPER



**GENERAL SPECIFICATIONS**



**MODEL 210<sup>®</sup> REGENERATIVE<sup>®</sup> 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 in<sup>3</sup> (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  
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 yd<sup>3</sup> (1.83 m<sup>3</sup>)  
Capacity (useable) ..... 2.1 yd<sup>3</sup> (1.61 m<sup>3</sup>)  
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 in<sup>2</sup> (1.31 m<sup>2</sup>)  
Suspension ..... 4 springs, 2 drag links  
Skids ..... DUO-SKID<sup>®</sup>, 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**

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<sup>®</sup> 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 Control Module (BCM)

**SAFETY/WARNING DEVICES**

Rear view camera system  
Back-up alarm  
Alternating LED rear flashers (2)  
Hopper safety prop

**OPTIONAL EQUIPMENT**

Abrasion protection package  
Additional camera views - pick-up head, left gutter broom, right gutter broom  
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)  
Magnet, front bumper mounted, light duty  
Rubber lined blower  
Shop air purge, dust control system  
Sound Reduction Engineering (SRE<sup>®</sup>)  
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