



# 210<sup>®</sup>

AIR SWEEPER

## GENERAL SPECIFICATIONS



# MODEL 210<sup>®</sup> REGENERATIVE<sup>®</sup> AIR PARKING LOT SWEEPER

## DIESEL AUXILIARY ENGINE / 2020 DIESEL CONVENTIONAL CAB CHASSIS

### SWEEPER AUXILIARY ENGINE

Engine .....Kubota V2403-CR-TE4B FT4, 4 cyl.  
 Displacement..... 148.5 in<sup>3</sup> (2.4 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/water separator

### 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 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  
 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 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 ..... Gear 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 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<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 multiplex module

### SAFETY/WARNING DEVICES

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  
 Camera/monitor system  
 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<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 Diesel  
 Ford F-350 Diesel