



210[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



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

DIESEL AUXILIARY ENGINE / DIESEL CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

EngineKubota V2403-CR-TE4B FT4, 4 cyl.
 Displacement..... 148.5 in³ (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
 Bearings Anti-friction
 Housing Steel w/abrasion resistant, replaceable liner
 Drive Heavy duty power band

DUST SEPARATOR

TypeCyclonic, 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)
 ConstructionWelded 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)
 Suspension4 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 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

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 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 system30 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[®])
 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