



210[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



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

DIESEL AUXILIARY ENGINE / DIESEL CABOVER 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
 Diesel fuel supplied from chassis fuel tank
 Fuel tank capacity.....30 gal (113 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 yd³ (1.83 m³)
 Capacity (useable).....2.1 yd³ (1.61 m³)
 Construction Welded steel plate
 Dump door opening52 x 23 in (1321 x 584 mm)
 Dump door hydraulically opened/closed
 Dumping method Hydraulic with tilt up
 Dumping height 57 in (1447 mm)
 Dumping clearance height.... 141 in (3582 mm)
 Hopper drip edge extension

PICK-UP HEAD

Type Dual chamber
 Function Delivers air blast and suction
 Width (inside dimension) 78 in (1981 mm)
 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 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 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), 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), dust control system winterization guide, 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 dia. (152 mm)
 Backpack blower storage box
 Cabover storage box (n/a with COMDEX)
 Dust control system30 gal (113 L)
 COMDEX water60 gal (227 L)
 COMDEX water102.5 gal (388 L)
 Hi/Low pressure washdown system
 Gutter broom(s) Right (in lieu of left) or twin
 Broom..... Poly or steel wire digger 32 in (812.8 mm)
 Gutter broom tilt adjuster(s) (left, right, or twin)
 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
 Pick-up head front curtain lifter (diesel only)
 Portering shelf
 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.

CABOVER CHASSIS AVAILABLE

Isuzu NPR-HD Diesel