



210[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210[®] REGENERATIVE AIR SWEEPER[®]
FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

Engine Kubota V2403-CR-TE4B, 4 cyl.
(Final Tier 4)
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 auxiliary engine fuel tank independent
from diesel or gasoline chassis fuel tank
Aux. engine fuel tank capacity 19 gal (72 L)
Auxiliary engine shutdown system
Fuel/water separator

BLOWER

Aluminum alloy, high volume, open face turbine
Purpose Creates air blast and suction
Bearings Anti-friction
Housing 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)
ConstructionWelded 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 60 in (1524 mm)
Dumping clearance height.... 144 in (3645 mm)

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 Gear driven from auxiliary engine
Capacity..... 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[®] 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), 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
Air purge, dust control system
Amber beacon light, LED
Auto Sweep Interrupt (ASI)
Auxiliary engine - gasoline (consult factory)
Auxiliary fuse panel
Auxiliary hand hose 6 in (152 mm) dia.
Backpack blower storage box
Camera/monitor system
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, not applicable with
high output water system)
Magnet, front bumper mounted, light duty
Rubber lined blower
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
Ford F-350
Chevrolet C3500-HD
(Requires factory approval)