



210[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



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

SWEEPER AUXILIARY ENGINE

Engine Kubota V2403-M-T, 4 cyl. (Tier 4i)
 Fuel..... Diesel
 Displacement..... 148.5 in³ (2.4 L)
 Power..... 56 hp (41.7 kW) @ 2,600 RPM
 Net torque..... 121 lb-ft(164 Nm) @ 1800 RPM
 Air cleaner Heavy duty, w/pre-cleaner
 Oil filter Spin on, full flow
 Cooling Liquid
 Auxiliary engine fuel tank independent from diesel or gasoline chassis fuel tank
 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)
 Construction Welded steel plate
 Dump door..... 52 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 area2028 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) (optional), 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
 Filter..... 10 micron in-line
 Hydraulic oil Extended life

CONTROLS

Inside cab (lighted)
 Pick-up head, gutter broom(s) (optional), ignition and tachometer (auxiliary engine), voltmeter, low water warning system (for optional dust control system), safety lights, hour meter, pressure bleeder
Outside cab Dump

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) (Left, right, or dual)
 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..... Polypropylene wafer 36 in (914 mm) or 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, halogen or LED
 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