



**210**<sup>®</sup>  
AIR SWEEPER

**GENERAL SPECIFICATIONS**



**MODEL 210<sup>®</sup> REGENERATIVE AIR SWEEPER<sup>®</sup>**  
**TIER 4 INTERIM AUXILIARY ENGINE/CABOVER CHASSIS**

**SWEEPER AUXILIARY ENGINE**

Engine ..... Kubota V2403-M-T, 4 cyl. (Tier 4i)  
 Fuel..... Diesel  
 Displacement..... 148.5 in<sup>3</sup> (2.4 L)  
 Power..... 56 hp (41.7 kW) @ 2600 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 shared with diesel chassis engine  
 Auxiliary engine fuel tank independent from 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 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..... 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)  
 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) (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 dia. (152 mm)  
 Backpack blower storage box  
 Cabover dual steering  
 Cabover storage box (n/a with COMDEX)  
 Camera/monitor system  
 Dust control system .....30 gal (113 L)  
 COMDEX water .....up to 102.5 gal (388 L)  
 Hi/Low pressure washdown system (COMDEX water required)  
 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)  
 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  
 Pick-up head front curtain lifter  
 Rubber lined blower  
 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 doo  
 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  
 Isuzu NPR-HD - Gasoline  
 Isuzu NPR - Gasoline