



**210**<sup>®</sup>  
AIR SWEEPER

**GENERAL SPECIFICATIONS**



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

**SWEEPER AUXILIARY ENGINE**

Engine ..... Kubota V2403-CR-TE4B, 4 cyl.  
(Final Tier 4)  
Displacement..... 148.5 in<sup>3</sup> (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  
On diesel chassis, diesel auxiliary engine fuel is supplied from chassis fuel tank.  
Fuel tank capacity (shared) .... 30 gal (113 L)  
On gasoline chassis, diesel auxiliary engine fuel is supplied from a separate 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  
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 opening.....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)  
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 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), 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<sup>®</sup> 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**

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 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) ..... 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<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 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  
Isuzu NPR-HD - Gasoline  
Isuzu NPR - Gasoline