MODEL 210® REGENERATIVE® AIR PARKING LOT SWEEPER
DIESEL AUXILIARY ENGINE / 2020 DIESEL CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE
Engine ........Kubota 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 Auxiliary engine fuel tank independent from chassis fuel tank Aux. engine fuel tank capacity ....... 19 gal (72 L) Auxiliary engine protection system

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 .........................Cylindrical, multi-pass, 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 opening ..................52 x 23 in (1321 x 584 mm) Dump door hydraulically opened/closed Dumping method ..................Hydraulic with lift up Dumping height (F-450)...............58 in (1473 mm) Dumping height (F-350)...............55 in (1397 mm) Dumping clearance height (F-450)........142 in (3607 mm) (F-350) ..................139 in (3531 mm)

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 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 water 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), dust control system winterization guide, 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 Amber beacon light, LED Auto Sweep Interrupt (ASI) Auxiliary fuse panel Auxiliary hand hose 6 in (152 mm) dia. Backpack blower storage box Camera/monitor system Dust control system .........30 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 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.

CONVENTIONAL CAB CHASSIS AVAILABLE
Ford F-350 Diesel Ford F-450 Diesel

South Coast AQMD Rule 1186 PM10 Certified
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