



## GENERAL SPECIFICATIONS



# MODEL 210® REGENERATIVE® AIR PARKING LOT SWEEPER GASOLINE AUXILIARY ENGINE / GASOLINE CABOVER CHASSIS

### SWEEPER AUXILIARY ENGINE

Engine ..... EDI/Ford MSG-425 EFI, 4 cyl.  
Displacement ..... 152.5 in<sup>3</sup> (2.5 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  
Fuel filter ..... In-line

### BLOWER

Aluminum alloy, high volume, open face turbine  
Bearings ..... (2) Anti-friction  
Housing ..... Steel w/abrasion resistant, replaceable liner  
Drive ..... Heavy duty power band

### DUST SEPARATOR

Type ..... Cyclonic, multipass, centrifugal separation  
Cylindrical area ..... 20 x 22.5 in (51 x 57 cm)  
Location ..... Adjacent to hopper  
Particulate removal achieved through 22.5 in (57 cm) skimmer slot into skimmer hood  
Inspection/cleanout port

### 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 (132 x 58.5 cm)  
Dump door hydraulically opened/closed  
Dump method ..... Hydraulic tilt  
Dump direction ..... Rear  
Dump floor angle ..... 37°  
Dump height ..... 57 in (145 cm)  
Dump clearance height ..... 141 in (358 cm)

### PICK-UP HEAD

Type ..... Dual chamber  
Width (inside dimension) ..... 78 in (198 cm)  
Pick-up head area ..... 2028 in<sup>2</sup> (1.31 m<sup>2</sup>)  
Suspension ..... (4) springs, (2) drag links  
Skids ..... DUO-SKID®, long life carbide  
Suction hose diameter ..... 12 in (30.5 cm)  
Pressure hose diameter ..... 12 in (30.5 cm)  
Pressure bleeder ..... Cable operated  
Reverse pick-up head system

### GUTTER BROOM, LEFT, Patented

Drive ..... Constant speed non-reversible hydraulic motor  
Adjustment ..... Adjustable for down pressure, pattern and wear  
Down pressure ..... Automatic  
Flexibility ..... Integral anti-damage "swing away" relief valve  
Broom ..... Poly wafer 36 in (91 cm)  
Floodlight ..... LED  
Parabolic mirror ..... 10.5 in (26.67 cm) dia.

### HYDRAULIC SYSTEM

Operates gutter broom(s), dump door and pick-up head  
Drive ..... Belt 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 µm in-line  
Hydraulic oil ..... Extended life 10W ISO 46  
Cooler ..... Air to oil

### 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 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 (if applicable), and OBD.

#### Interior Components

Pressure bleeder control, auxiliary fuse panel, 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 Control Module (BCM)

### SAFETY/WARNING DEVICES

Rear view camera system  
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 hand hose 6 in (15 cm) dia.  
Backpack blower storage box  
Cabover storage box (n/a with COMDEX)  
Camera/monitor systems:  
    Additional camera view - pick-up head  
    CurbView camera system  
Dust control system ..... 30 gal (113 L)  
COMDEX water ..... 60 gal (227 L)  
COMDEX water ..... 102.5 gal (388 L) (Requires Isuzu NPR-HD)  
Hi/Low pressure washdown system  
Gutter broom(s) ..... Right (in lieu of left) or twin  
    Broom ..... Poly or steel wire digger 32 in (81 cm)  
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)  
Magnet, front bumper mounted, light duty  
Portering shelf  
Rubber coated blower  
Shop air purge, dust control system  
Sound Reduction Engineering (SRE®)  
Stainless steel (non-magnetic) 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. Contact your local dealer or TYMCO.*

### CABOVER CHASSIS AVAILABLE

Isuzu NPR-HD Gasoline  
Isuzu NPR Gasoline (Requires factory approval)