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 in³ (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
Cooling .................................. Spin on, full flow
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

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, multpass, 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 ........ Hydraulically with tilt up
Dumping height ............. 57 in (1447 mm)
Dumping clearance height .... 141 in (3582 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 in² (1.31 m²)
Suspension .................. 4 springs, 2 drag links
Skids ................ DUTO-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), 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 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 resistant (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, 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 fuse panel
Auxiliary hand hose 6 in dia. (152 mm)
Backpack blower storage box
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)
Gutter broom(s) .... Flight (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
Portering shelf
Rubber lined blower
Shop air purge, dust control system
Sound Reduction Engineering (SRE®)
Stainless steel options:
- 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 Gasoline

South Coast AQMD Rule 1186 PM Certified
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