

ATTACHMENT E

Sweepers-Miscellaneous, Parking lot, Sidewalk, Light, and other, complete floor cleaning machines

If you have different discounts for options, you WILL have to list the items. If you need more space, attach sheets or use Microsoft Excel.

BRAND	MODEL (Standard base unit)	Percentage discount	Base Price Before Discount
		3 %	
Tymco	210 ISUZU NPR-HD Chassis		\$ 91,050 ⁰⁰
	OPTIONAL Chassis		
	Ford 350	Deduct	< \$ 4,500.00 >
	Ford 450	Deduct	> \$ 2,500.00 <
Tymco	210h Ford F 450		\$ 86,450 ⁰⁰
	OPTIONAL Chassis		
	Ford F 350	Deduct	< \$ 2,000 ⁰⁰ >
Freight			+ 1,950 ⁰⁰ Ea

Attachments/Accessories: 3 % INC IN

Options: 3 % Installation Charge: \$ Base Hourly Labor Rate: \$ 140⁰⁰

Multiple Unit discount: 1 % (In addition to the equipment discount) based on 2 Units purchased

OEM Repair Parts: 0 % After Market Parts: 0 % Financing of Lease Purchase interest rate: Market Based %

Extended Warranty offered? Yes No If yes, please attach information for the extended warranty purchase. Discount offered N/A %

Vendors, please explain your ordering process in an attached document and any promotional events that might provide for a discount off the price listed.

*Note: Dual Steering avail on Cabover
Call for specifications*



210[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210[®] REGENERATIVE AIR SWEEPER[®]
TIER 4 INTERIM AUXILIARY ENGINE/CABOVER CHASSIS

SWEEPER AUXILIARY ENGINE

Engine Kubota V2403-M-T, 4 cyl. (Tier 4i)
Displacement..... 148.5 in³ (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
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 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 yd³ (1.83 m³)
Capacity (useable)..... 2.1 yd³ (1.61 m³)
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 in² (1.31 m²)
Suspension..... 4 springs, 2 drag links
Skids..... DUO-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) (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

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)

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) 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
Rubber lined blower
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.

CABOVER CHASSIS AVAILABLE

Isuzu NPR-HD - Diesel
Isuzu NPR-HD - Gasoline
Isuzu NPR - Gasoline



210[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210[®] REGENERATIVE AIR SWEEPER[®]
TIER 4 INTERIM AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

Engine Kubota V2403-M-T, 4 cyl. (Tier 4i)
Displacement..... 148.5 in³ (2.4 L)
Power..... 56 hp (41.7 kW) @ 2,600 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
Diesel auxiliary engine fuel tank independent
from diesel or gasoline chassis fuel tank
Aux. engine fuel tank capacity 19 gal (72 L)
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 yd³ (1.83 m³)
Capacity (useable) 2.1 yd³ (1.61 m³)
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)
Pick-up head area 2028 in² (1.31 m²)
Suspension 4 springs, 2 drag links
Skids..... DUO-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) (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

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)

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 (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
Pick-up head hour meter
Rubber lined blower
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-450
Ford F-350
Chevrolet C3500-HD

Superior Training from TYMCO

We want you to understand the Regenerative Air System and your TYMCO sweeper completely, so you can get optimal performance from your equipment investment. That's why, for more than twenty-five years, we've offered two-day scheduled training schools at our facility in Waco, Texas. Owners, managers, operators and mechanics get hands-on training and answers to specific questions. Enrollment levels are kept low, so you and your team will get personal attention as well as the opportunity to learn from the experiences of other attendees through the interaction of the class.

When your operators and mechanics are thoroughly trained and knowledgeable about the TYMCO sweeper, you get better performance and a lower cost per operating hour.

- TYMCO offers full two-day schools
- Choose from over 30 schools scheduled per year
- Yearly class schedules and class agendas are available
- Learn through demonstrations on an operational sweeper
- Special schools arranged for large groups
- Register to attend on our web site



Model 600 illustration

Specifically designed for training, our 3500 square foot, temperature controlled facility provides ample space for demonstrations on an operational sweeper and systems components. We also provide daily ground transportation from the hotel to our training facility, and lunch is on us.

Convenient Dealer Service Centers

In over 50 U.S. locations and dozens of others worldwide, you receive on-the-spot parts and service from TYMCO's exclusive network of dealers.



This product is protected by numerous U.S. and Foreign Patents.

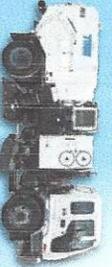
Specifications subject to change without notice.



MODEL HSP®
High Speed Performance for Airport Runways



MODEL 600®
Carburetors



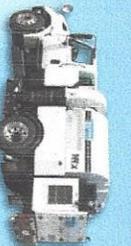
MODEL DST-6®
Dustless Sweeping Technology



MODEL 600®
Conventional Car Chassis



REGENERATIVE AIR SWEEPERS
www.tymco.com
1-800-258-9626



MODEL 500X®
High Side Dump



MODEL DST-4®
Dustless Sweeping Technology



MODEL 435®

TYMCO REGENERATIVE AIR SWEEPERS are
AOMD Rule 1186 Certified PM₁₀-Efficient

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Sweeper chassis model may change without notice.

TYMCO, Inc. • P.O. Box 2368 • Waco, TX 76703-2368 • (254) 799-5546 • FAX (254) 799-2722



Model 210®

MADE IN WACO, TEXAS USA

When you want to pick up more than just litter... TYMCO Regenerative Air Cleans Deeper™



TYMCO's patented centrifugal dust separator keeps the fines and dust inside the hopper. No filters or baffles to clean or replace. Powerful RAS blower.

Cab light bar.

Storage box has large 14.5 cubic foot storage for brooms, shovels and tools. (cabover model only).

Additional water capacity.

Powerful hand hose for hard to reach places.

Heavy duty hydraulic dump cylinders for high dumping hose heavy loads.

Heavy-duty steel hopper for long-term durability.

Easy to open hydraulic dump door lets you dispose of bulky items quickly and safely.

Slide-out screen increases clean out efficiency.

Heavy-duty wrap-around rear bumper and fenders for sweeper protection.

Model 210® can be mounted on cabover or conventional cab chassis.

Convenient inside-cab, operator friendly sweeper controls. Gauges and controls are illuminated for better night visibility.

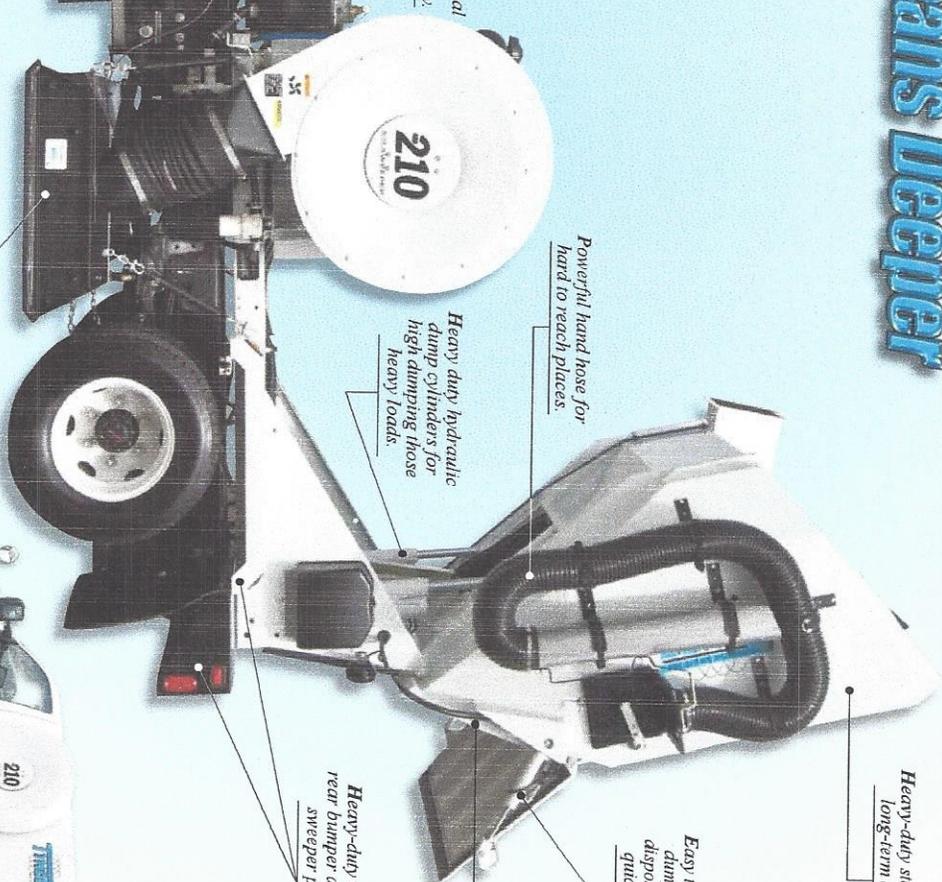
Patented TYMCO gutter broom - with steel diggers or poly wiper - provides more cleaning power with less maintenance.

Time-tested, heavy duty pick-up head propels a controlled jet of air through the blast orifice creating maximum pressure and powerful suction across the entire width of the pick-up head.

AQMD Rule 1186 Certified PM 10 - Efficient

Sweeper photographs contain optional equipment.

Model 210® Conventional Cab Chassis





Model 210[®] COMDEX[®]

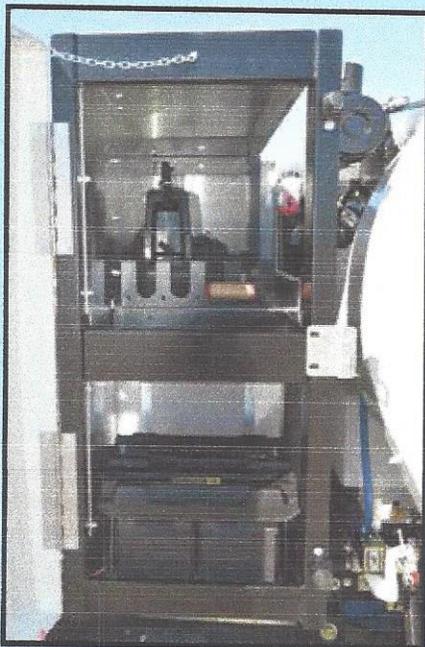
AIR SWEEPER[®]



FROM THE PEOPLE WHO *INVENTED* REGENERATIVE AIR SWEEPING!

The Model 210 COMDEX[®] Package utilizes the short 132.5 inch wheelbase of the Isuzu NPR-HD chassis to provide storage, different water capacities and signage space for the customer. Acrylic capped ABS plastic doors on each side of the sweeper provide a lockable, covered storage area in addition to the tool rack on the front of the COMDEX module.

Left Side View



Center Shelf View



Right Side View



1-800-258-9626

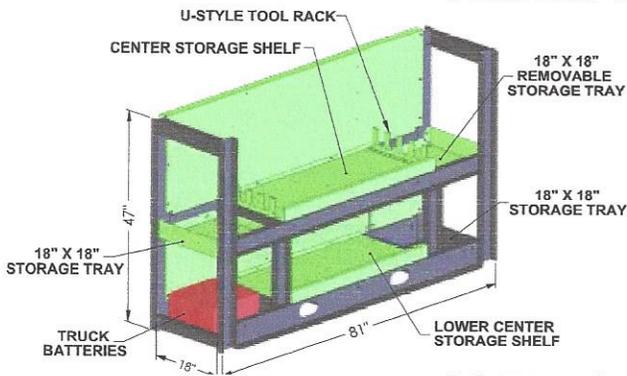
www.tymco.com

MADE IN WACO, TEXAS **USA**



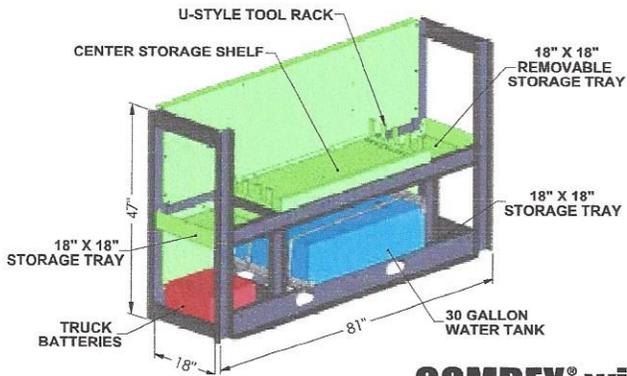
Sweeper photos may contain optional equipment. Specifications subject to change without notice. Consult factory.

COMDEX® Storage Compartment



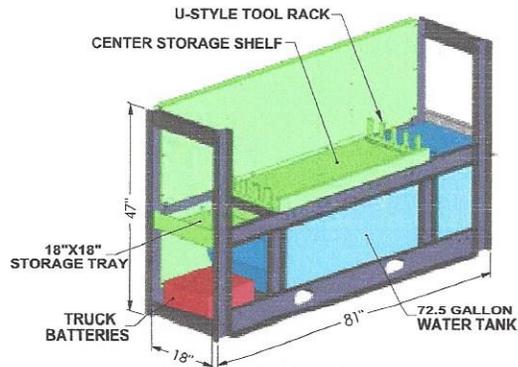
- Storage Area: Approx. 34 cubic feet
 - Front Tool Rack Outside Module
 - U-Style Tool Rack Inside Module
- (An Optional 210 Dust Control System is available with a 30 gallon water tank stored beneath the dust separator.)*

COMDEX® with 60 Gallons Water



- Storage Area: Approx. 25 cubic feet
 - Front Tool Rack Outside Module
 - U-Style Tool Rack Inside Module
 - Total Water Capacity: 60 gallons
- (Includes 210 dust control system with 30 gallon water tank stored beneath the dust separator and 30 gallon COMDEX Water Tank stored inside module.)*

COMDEX® with 102.5 Gallons Water



- Storage Area: Approx. 20 cubic feet
 - Front Tool Rack Outside Module
 - U-Style Tool Rack Inside Module
 - Total Water Capacity: 102.5 gallons
- (Includes 210 dust control system with 30 gallon water tank stored beneath the dust separator and 30 gallon COMDEX Water Tank stored inside module.)*

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210h[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 210h[®] REGENERATIVE AIR SWEEPER[®]
HYDROSTATIC DRIVE/CONVENTIONAL CAB CHASSIS

HYDRAULICS
hDRIVE[®] POWER SYSTEM

Main pump type Piston pump
Reservoir 17 gal (64 L)
Main system pressure ... 3500 psi (24,132 kPa)
Main pump drive Direct drive from transmission PTO, operates blower, dump door, and pick-up head
Broom pump Vane type
Belt driven from blower shaft
Filter 10 micron in-line
Hydraulic oil Extended life
Cooler Air to oil w/thermostatically controlled electric fan
Hydraulic level/temperature shutdown system
Hydraulic oil filter restriction indicator
Hydraulic oil sight/temperature gauge

BLOWER

Aluminum alloy, high volume, open face turbine
Purpose Creates air blast and suction
Bearings Anti-friction
Housing Abrasion resistant, replaceable liner
Drive Hydraulic direct drive

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 yd³ (1.83 m³)
Capacity (useable) 2.1 yd³ (1.61 m³)
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)
Pick-up head area 2028 in² (1.31 m²)
Suspension 4 springs, 2 drag links
Skids DUO-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

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)

CONTROLS

Inside cab (lighted)
Pick-up head, gutter broom (optional), blower on/off (2 speeds - low/high), all safety lights, hour meter, pressure bleeder

Outside cab Dump

BlueLogic[®] Control System

Multiplexed electrical control module which provides intelligent safety features and assists in sweeper troubleshooting with LED diagnostics. Specific to the Model 210h, BlueLogic communicates with the truck to engage PTO, maintain blower at constant speed, and monitor the hydraulic level/temperature shutdown and auto sweep interrupt (ASI) systems.

SAFETY/WARNING DEVICES

Back-up alarm
Alternating LED rear flashers (2)
BlueLogic[®] control system provides several safety interlocks, i.e. lifting the gutter broom when sweeper is placed in reverse, turning off blower when hopper is raised/hopper door is opened and shutting down sweeper when ground speed or engine speed exceed maximum allowable values (defaults are 18 mph or 2100 RPM).
Hopper safety prop

OPTIONAL EQUIPMENT

Abrasion protection package
Air purge, dust control system
Amber beacon light
Auxiliary fuse panel
Auxiliary hand hose 6 in dia. (152 mm)
Backpack blower storage box
Camera/monitor system
Dust control system 30 gal (113 L)
Gutter broom Right (in lieu of left)
Broom Poly or steel digger 32 in (812.8 mm) (Ford F-450 only)
Hopper drain system
Hopper slide-out screen
Hydraulic tank heater
Light bar, cab mounted, LED
Linear actuator - pressure bleeder with gauge
Magnet, front bumper mounted, light duty
Rubber lined blower
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.

CHASSIS AVAILABLE

Ford F-450
Ford F-350

210h[®]

AIR SWEEPER



FROM THE PEOPLE WHO *INVENTED* REGENERATIVE AIR SWEEPING!

When you want all the simplicity and low maintenance of sweeping without an auxiliary engine while maintaining the advantages of a True Regenerative Air System - the TYMCO Model 210h[®] Regenerative Air Sweeper with hDrive[®] and BlueLogic[®] is the smart choice.

- **TYMCO hDrive[®] Power System Delivers Great Sweeping Performance.**
- **TYMCO BlueLogic[®] Control System Provides Streamlined Features for Operators and Service Technicians.**
- **Reduced Routine Maintenance.**
- **Inherent Sound Reductions with hDrive[®] and 2 Blower Speeds.**
- **True Regenerative Air System Means Dual Chambered Pick-Up Head and Centrifugal Dust Separation.**



TYMCO Regenerative Air Cleans Deeper[™]

MADE IN WACO, TEXAS

USA



The Model 210h® delivers great sweeping performance in a “single engine” class design. With the Ford Super Duty F-450, the Model 210h has a tight turning diameter of 44.2 feet, and overall height of 80.5 inches. The Ford F-350 turning diameter is 50.8 feet, and has an overall height of 78 inches, perfect for sweeping in parking garages.



Ford Super Duty trucks offer a comfortable conventional truck design, adjustable high back seats, ergonomic center console with cup holders as well as a tilt steering wheel among other great features.



With the Ford F-450, the Model 210h has a 62.5 inch dump height. (Most 6 yard containers are approximately 60 inches)



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www.tymco.com

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