



For NCSA Contract Purchases:
Please send P.O. to Amick & NCSA including:
Contract #, Spec #, Contact Info, & Fed. Tax ID #
NCSA: kmitman@ncsheriffs.net
[LINK: NCSA Terms & Conditions](#)

END USER: BLUFFTON
LARRY BECKLER
EQUIPMENT INSTALL TYMCO - WACO, TX
LOCATION:

CONTRACT #
26-10-0422
ITEM #
2214

Description

Contract Price

MODEL: **TYMCO 435**
SIZE: **4 YD**
PAINT: **WHITE**
WARRANTY: TYMCO: 1 YR SWEEPER, 2 YR SKIDS. AUX. ENGINE: SEE MFG. WARRANTY FOR DETAILS.

STANDARD EQUIPMENT INCLUDED

AUXILIARY ENGINE: KUBOTA V2403-CR-TE48 FINAL TIER-4 TURBO CHARGED DIESEL 4 CYL;
148.5 CID; 56 HP @ 2100 RPM; TORQUE 140 FT LB. @ 2100 RPM.
FUEL WATER SEPARATOR
DONALDSON POWERCORE AIR FILTER WITH PRECLEANER.
AUXILIARY ENGINE PROTECTION SYSTEM. DERATE OR SHUTDOWN WHEN ENGINE PROBLEM IS
DETECTED SUCH AS HIGH COOLANT TEMPERATURE OR LOW OIL PRESSURE.

ABRASION PROTECTION PACKAGE. BOLT-IN REPLACEABLE RUBBER OR POLY LINERS TO
PROTECT AREAS PRONE TO ABRASION IN SANDY APPLICATIONS. INCLUDES SUCTION INLET
LINER, DUST SEPARATOR LINER, BLOWER HOUSING LINER; PICK-UP HEAD SUCTION NOZZLE
LINER AND PRESSURE WEAR PADS; HEAVY DUTY PRESSURE AND SUCTION HOSES.

BLUE LOGIC CONTROL SYSTEM. SEE BLUELOGIC BROCHURE FOR COMPLETE DETAILS.
MULTIPLEXED ELECTRICAL SYSTEM INCLUDES HARDWARE AND TYMCO DESIGNED SOFTWARE
THAT INTEGRATES THE IN-CAB CONTROLS TO THE AUXILIARY ENGINE AND ALL SWEEPER
FUNCTIONS, INCLUDING ADDITIONAL SAFETY FEATURES. THE BLUELOGIC CONTROL SYSTEM
PROVIDES SWEEPER AND AUXILIARY ENGINE DATA TO THE OPERATOR THROUGH THE
TOUCHSCREEN DISPLAY AND INTERACTIVE MULTICOLOR SWITCHES.

FEEDBACK INCLUDES HOUR METERS (TRIP AND TOTAL) FOR THE AUXILIARY ENGINE, PICKUP
HEAD, BLOWER, GUTTER BROOMS AND WATER PUMP IF APPLICABLE.
SWEEPER ODOMETER RECORDS CURB MILES SWEEPED & SWEEPING HOURS.
SERVICE REMINDERS, CUSTOM REMINDERS, OVERSPEED WARNING, LOW WATER AUDIBLE
ALARM, DUST CONTROL SYSTEM WINTERIZATION GUIDE.
ON-BOARD DIAGNOSTICS (OBD) FOR THE AUXILIARY ENGINE & SWEEPER.
DUST SEPARATOR CLEANOUT PLUG EXTENSION HANDLE.
HOPPER SAFETY PROP.
HOPPER INSPECTION DOOR.
HOPPER DRIP EDGE EXTENSION.
HYDRAULIC SYSTEM FILTER RESTRICTION INDICATOR
HYDRAULIC TANK SIGHT/TEMPERATURE GAUGE
LEFT GUTTER BROOM, FLOODLIGHT, PARABOLIC MIRROR
435 GULLWING LOCKABLE STORAGE COMPARTMENT. A MODULAR DESIGN MULTI-CHAMBER
COMPARTMENT WITH A COMBINED 55 CU.FT. OF PROTECTED STORAGE CAPACITY,
ACCESSIBLE FROM LEFT OR RIGHT HAND SIDE THROUGH LARGE GULL WING DOORS;
AUXILIARY ENGINE AND BLOWER AREA ACCESSED THROUGH SWING AWAY SIDE ACCESS
PANELS.
REAR LOCKABLE STORAGE COMPARTMENTS (2) - 26 CU. FT. TOTAL CAPACITY.
PRESSURE BLEEDER. DEFLECTS HIGH-PRESSURE AIRFLOW OUT, INCREASING SUCTION ACROSS
FRONT OF PICK-UP HEAD.
BACK-UP ALARM
DUO SKIDS. CARBIDE INSERT PICKUP HEAD SKIDS ARE WARRANTED FOR 2 YRS. / 2000 HRS.

REAR BUMPER PADS.
REAR MOUNTED OVAL DESIGN ALTERNATING/FLASHING WARNING LIGHTS (2) LED.
REAR MOUNTED WORKLIGHT (1).
REVERSE PICK-UP HEAD PROTECTION SYSTEM.
RUBBER COATED BLOWER WHEEL.
HOPPER DOOR OPENING DIMENSION 77-1/4"X 70" SCREEN LIFTS WITH DOOR.

OPTIONAL UPGRADES AND ACCESSORIES INCLUDED

AUXILIARY ENGINE IN-CAB AIR FILTER RESTRICTION INDICATOR W/ GAUGE
 AUXILIARY HYDRAULIC SYSTEM
 GUTTER BROOM; TWIN; LED FLOODLIGHTS & PARABOLIC MIRRORS
 GUTTER BROOM TILT ADJUSTER, RIGHT
 GUTTER BROOM TILT ADJUSTER, LEFT
 ADDITIONAL GUTTER BROOM WATER NOZZLE, RIGHT
 ADDITIONAL GUTTER BROOM WATER NOZZLE, LEFT
 ADDITIONAL HOPPER WATER NOZZLE
 HI/LOW PRESSURE WASH DOWN SYSTEM
 HYDRANT WRENCH
 SHOP AIR PURGE
 DUMP SWITCH IN CAB
 HOPPER "UP " ALARM
 AUTO SWEEP ASSIST (ASA)
 LINEAR ACTUATOR W/GAUGE - PRESSURE BLEEDER
 PICK UP HEAD CURTAIN LIFTER
 PICK UP HEAD PRESSURE INLET WATER INJECTION SYSTEM
 REMOVEABLE FRONT CURTAIN SET
 SHKID BUMPER EXTENSION SET (3")
 STAINLESS STEEL HOPPER
 STAINLESS STEEL AUXILIARY HAND HOSE
 STAINLESS STEEL DUST SEPERATOR
 CURBVIEW CAMERA SYSTEM: RIGHT SIDE GUTTER BROOM VIEW
 PICK UP HEAD CAMERA
 AUTOMATED WATER SYSTEM
 REMOTE GREASE ZERK - SEPERATOR INNER BEARING
 HOPPER VIBRATOR

DEALER SERVICES INCLUDED

FREIGHT TO AMICK EQUIPMENT
 BODY PRE-DELIVERY INSPECTION
 AECI MOBILE ON-SITE WARRANTY PKG., 12 MO.
 ON-SITE TRAINING - PROVIDED BY REQUEST

DELIVERY OPTION INCLUDED:

AECI DELIVERS TO END USER.

COMMENTS:

Pricing Disclaimer: Due to recent tariff announcements, steel prices and foreign components are expected to increase noticably. This may result in retroactive price increases and surcharges on ordered equipment. Amick Equipment will absorb these increases when possible but may pass them along as announced by each of the manufacturer. We appreciate your understanding during this volatile period.

Subtotal:	\$	235,968.00
Contract Discount - Options / Accessories:	\$	(2,463.00)
Additional Discount:	\$	(6,000.00)
Subtotal:	\$	227,505.00

Chassis Description

MODEL: 2024 ISUZU NQR
GVWR: 17950 LBS
ENG & TRAN: ISUZU DIESEL, 4HK1-TC / AISIN 6-SP A/T - A465
PAINT: WHITE
VIN: 902109
COMMENTS: SEE CHASSIS SPECIFICATIONS FOR COMPLETE DETAILS.
FIRE EXTINGUISHER
HAZARD REFLECTORS
LED AMBER STROBES FRONT BUMPER
LED AMBER TRAFFIC DIRECTING LIGHT REAR MOUNTED
PARABOLIC MIRROR 12" (2)
BATTERY DISCONNECT

Unit Subtotal:	\$	227,505.00
Tax - Motor Vehicle (SC IMF / NC HUT):	\$	522.50
Unit Purchase Price:	\$	228,027.50

Payment Terms:	MUNI & CHASSIS DEALERS: NET 15 * C.O.D Discount Available * Late Fee: 1%
Completion ETA:	8/15/25 Scheduled Completion Date
Note:	ETAs are based on schedule at time of quote and are subject to change.
Chassis Dealers:	Please include floorplan in chassis pricing,

QUOTED BY: Dave Hull
DATE: 6/27/2025
VALID UNTIL: *Demo Unit, Subject to Sale.*

ORDER ACCEPTANCE

SIGNATURE

DATE

ADDITIONAL OPTIONS: Prices shown in "additional options available" section are not included in the "Total" price and do not include taxes.

TAXES: Unless itemized above, prices do not include local, state or federal taxes.

MOTOR VEHICLE TAXES: AECl no longer collects SC "IMF" or NC "Highway Use Tax". Either the chassis dealer or the DMV will collect motor vehicle tax/fees when registering vehicle.

PAYMENT TERMS: Payment is due PRIOR to delivery. When ample credit has been extended to customer, payment is due within 30 Days of invoice.

TITLEWORK / MCO: Allow 5-10 business days after receipt of payment to process Title or Manufacturer's Certificate of Origin (MCO).

QUOTE EXPIRATION: Pricing is honored for 30 days from date quoted, barring extenuating circumstances such as, but not limited to, volatile markets, factory price increases, etc. AECl makes every effort to give as much notice as possible in such instances.

DELIVERY ESTIMATES: ETA's are based on production schedules at the time of quote and are subject to changes in truck or body production schedules as well other factors such as transportation delays, etc.

WEIGHT RESTRICTIONS: Operating overweight equipment can result in fines, damage to equipment or injury to operators. AECl makes every effort to quote equipment meeting local, state & federal weight regulations. Nevertheless, it is up to the end user to familiarize themselves with all applicable weight laws and avoid exceeding legal weight limits, regardless of truck's GVWR.

CHASSIS DEALERS: Please ensure chassis specs meet body manufacturer's minimum requirements, which are supplied upon request. Deviations may result in additional charges, for which the truck dealer will be responsible.

CHASSIS DEALER PAYMENT TERMS: Payment term begins when truck is delivered to customer or truck dealer for PDI, whichever is first. Payments received later than 15 DAYS are subject to penalty of Prime % APR, calculated on a daily basis. ANY EXCEPTIONS must be agreed to writing prior to order.

COOPERATIVE PURCHASING CONTRACTS: Cooperative purchasing contract such as NCSA, Sourcewell, etc. are a tool which satisfies the competitive bidding requirements for some municipalities. Amick Equipment (or its Body Manufacturer) are approved vendors on several contracts, authorized to offer awarded equipment according to each contract's terms and conditions. If a contract award included both body and chassis, then that contract clearly satisfies the bidding requirements for both body and chassis. Some of Amick's contracts were awarded for the body portion only. Upon request, Amick may offer a compatible chassis from another qualified contract holder or may offer a non-contract option.. Unless explicitly stated, customers shall not assume that any of the equipment quoted are being offered under a purchasing contract. It is up the purchaser to determine whether purchasing any items - both explicitly listed on the contract or not, are permitted by



435[®]

AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 435[®] MID-SIZE REGENERATIVE[®] AIR SWEEPER

DIESEL AUXILIARY ENGINE / DIESEL CABOVER 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
Diesel fuel supplied from chassis fuel tank
Fuel tank capacity..... 30 gal (113 L)
Auxiliary engine protection system
Fuel/water separator with separate fuel filter
Fuel filters..... 10 µm primary, 5 µm secondary

BLOWER, RUBBER COATED

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, RUBBER LINED

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)..... 4.0 yd³ (3.06 m³)
Capacity (useable)..... 3.1 yd³ (2.37 m³)
Construction Welded steel plate
Dump door opening 77.25 x 70 in (196 x 178 cm)
Insection door (1) Right side of hopper
..... 8.5 x 8.5 in (21.5 x 21.5 cm)
Dump method Hydraulic tilt
Dump direction Rear
Dump floor angle 37°
Dump height 72 in (183 cm)
Dump clearance height..... 154 in (391 cm)
Dump door hydraulically opened/closed
Hopper screen lifts with door for easy cleaning
Abrasion protection package

STORAGE COMPARTMENTS

Front 55 ft³ (1.5 m³) capacity
Rear (2) 13.3 ft³ (0.38 m³) (ea.) capacity

PICK-UP HEAD

Type..... Dual chamber
Width (inside dimension)..... 78 in (198 cm)
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 (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 Steel wire vertical digger 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 Gear driven from auxiliary engine
Flow rate..... 5 GPM (18.925 LPM)
Reservoir 13.5 gal (51.1 L) w/80 mesh suction strainer, sight/temperature gauge, oil cooler
Filter..... 10 micron in-line
Hydraulic oil..... Extended life 10W ISO 46
Cooler Air to oil

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression
Pump Electric diaphragm
Reservoir Polyethylene, 150 gal (567.7 L)
Filter..... 80 mesh in-line
Low water shut-off Safety shut-off with audible and visual indicator in cab
Spray nozzles At gutter broom(s) and inside hopper
Fire hydrant and garden hose connections
Hydrant fill hose..... 20 ft (6 m)

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 all 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; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and OBD.

Interior Components

Pressure bleeder control, BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter broom(s),

auxiliary engine RPM, dust control water system nozzles, safety lights

Exterior Controls

Dump switch, BlueLogic Control Module (BCM)

SAFETY/WARNING DEVICES

Alternating LED rear flashers (2)

Rear view camera system

Back-up alarm

Hopper safety prop

OPTIONAL EQUIPMENT

Auto Sweep Interrupt (ASI)

Auxiliary hand hose 6 in (15 cm) dia.

Auxiliary hydraulic system

Camera/monitor systems:

Additional camera view - pick-up head

CurbView camera system

COMDEX package Up to 145 gal (549 L)

Requires Isuzu 132.5 in wheelbase

Gutter broom(s) (right or twin)

Gutter broom tilt adjuster(s) (left, right, or twin)

Gutter broom variable speed

Gutter broom drop-down

Requires Isuzu 150 in wheelbase

High output water system

Hi/Low washdown system

Hopper drain system

Hopper deluge system

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

Pick-up head curtain lifter

Shop air purge, dust control system

Sound Reduction Engineering (SRE[®])

Stainless steel (non-magnetic) options:

Hopper:

Hopper weldment

Hopper door

Hopper screen

Inspection door

Skimmer hood

Suction inlet tube

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 NQR Diesel - 150 in wheelbase (WB)

Isuzu NQR Diesel- 132.5 in WB (COMDEX)

Isuzu NPR-XD Diesel - 132.5 in WB

(COMDEX)

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.



Model 600 Illustration

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

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®
Standard Cab



MODEL 500x®
High Side Dump



MODEL 600®
Cabover



MODEL DST-4®
Dustless Sweeping Technology



MODEL DST-6®
Dustless Sweeping Technology



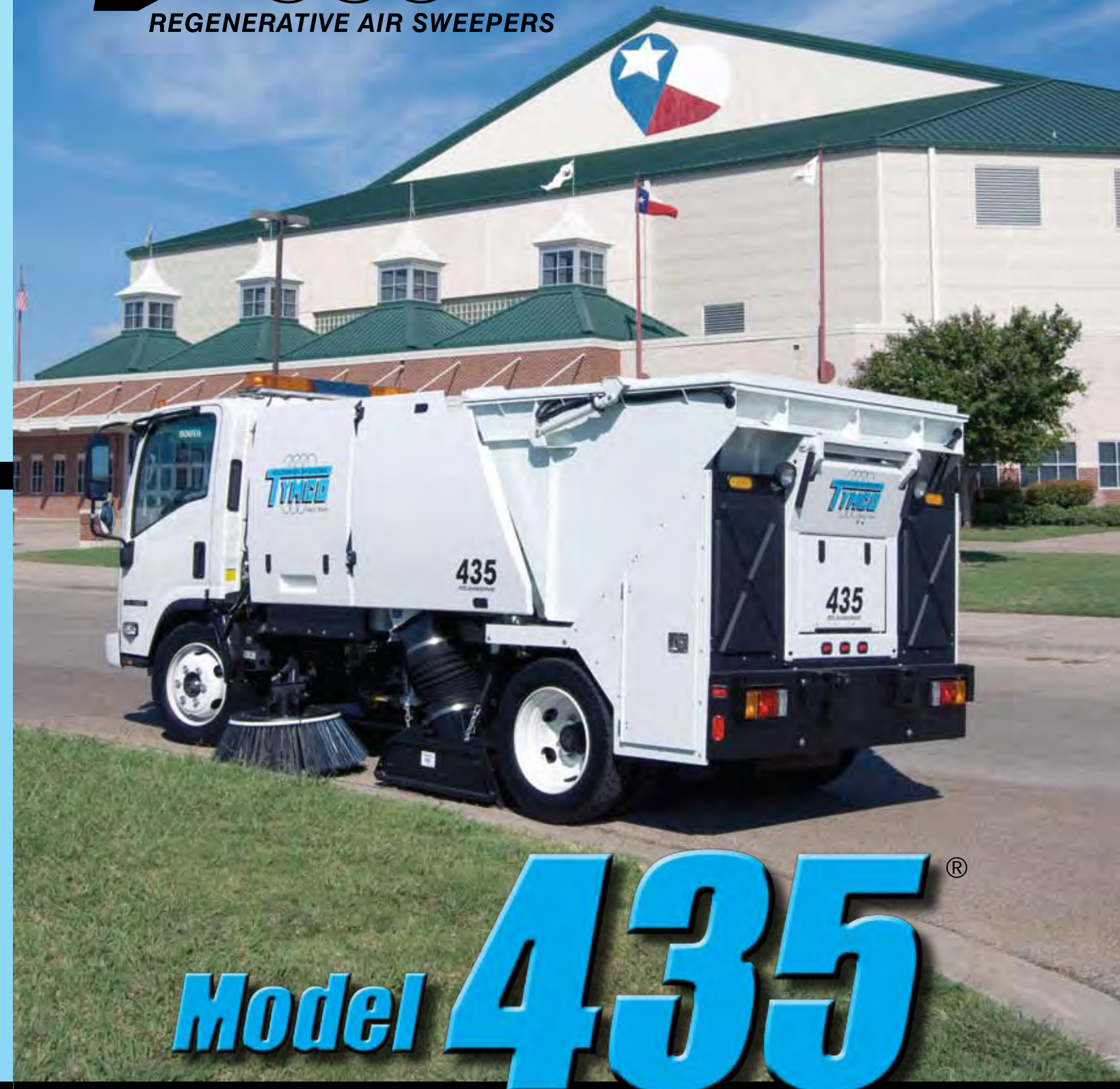
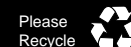
MODEL 210®
Cabover

**TYMCO REGENERATIVE AIR SWEEPERS are
AQMD Rule 1186 Certified PM₁₀-Efficient**

Sweeper chassis models may change without notice.

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



Model 435®

MADE IN WACO, TEXAS **USA**

THE STATE OF THE ART - FROM THE PEOPLE WHO *INVENTED* REGENERATIVE AIR SWEEPING !

DESIGNED with both the CONTRACTOR and MUNICIPALITY in MIND, the TYMCO Model 435® gives you . . .

STANDARD FEATURES:

- Large 4.0 cubic yard, heavy duty, steel hopper increases sweeping time.
- 72 inch dump height enables dumping into various size containers.
- Patented centrifugal dust separator keeps the fines and dust inside the hopper without exhausting air back into the atmosphere. There are no filters or baffles to clean or replace.
- Streamlined side panels help reduce noise and swing open for easy access to auxiliary engine.
- Heavy duty Isuzu 17,950 lb. GVW chassis. (Can be equipped with optional dual steering for right curb-side view)
- Front and rear locking storage areas give you a combined 80 cubic foot of protected space.
- Large hydraulically operated dump door allows for easy discharge and cleaning.
- Patented TYMCO gutter broom with floodlight and parabolic mirror.
- Time tested, heavy duty 78 inch inside width / 82 inch outside width, pick-up head.
- Inside the cab, illuminated sweeper controls.
- Turbo charged auxiliary engine.
- 150 gallon water capacity.

- **Superior Performance**
- **Maneuverability**
- **Operability**
- **Ease of Maintenance**
- **TYMCO Reliability**

All with our proven...

TYMCO REGENERATIVE AIR DESIGN



Extra large door allows for easy dumping and cleaning.



Locking side panels swing away for easy access to auxiliary engine.



Sweeper Control Panel illuminates for easy night vision.

TM

Sweeper photographs may contain optional equipment - Consult your dealer for more information

TYMCO Regenerative Air Cleans Deeper