

RFB# 3-160513TV

TYMCO 435 SWEEPER OPTIONS

STAINLESS STEEL CHIP SEAL SCREENS		\$	950.00
HI / LOW WASH DOWN SYSTEM		\$	550.00
42" AUX HANDHOSE EXTENSION	MUST ORDER HANDHOSE OPT.	\$	440.00
LED ARROW STICK I.L.O. MODOT ARROW BOARD	DEDUCT	\$	(2,550.00)
DROP DOWN GUTTER BROOMS		\$	715.00
DOUBLE DUO SKIDS WITH FRONT EXTENSIONS		\$	1,130.00
LINEAR ACTUATOR W/ GAUGE- PRESSURE BLEEDER		\$	333.00
REMOVABLE FRONT CURTAIN		\$	235.00
DELETE STAINLESS STEEL HOPPER	DEDUCT	\$	(5,600.00)
DELETE STAINLESS STEEL BLOWER HOUSING	DEDUCT	\$	(900.00)
DELETE STAINLESS STEEL DUST SEPARATOR	DEDUCT	\$	(1,100.00)
DELETE HOPPER LOAD INDICATOR	DEDUCT	\$	(300.00)
DELETE VARIABLE SPEED GUTTER BROOMS	DEDUCT	\$	(715.00)
DELETE TILT ADJUSTERS EACH	DEDUCT	\$	(425.00)
DELETE ASI	DEDUCT	\$	(1,100.00)

TYMCO 435 CHASSIS OPTIONS

ISUZU NPR-XD DUAL DRIVE I.L.O. NQR	COMDEX PKG AVAILABLE N/C	DEDUCT	\$	(2,000.00)
ENGINE BLOCK HEATER			\$	550.00
CAB MOUNTED LED LIGHT BAR			\$	950.00



435[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 435[®] REGENERATIVE AIR SWEEPER[®] TIER 4 INTERIM AUXILIARY ENGINE/CABOVER CHASSIS

SWEEPER AUXILIARY ENGINE

Engine Kubota V2403-M-T, 4 cyl. (Tier 4i)
Fuel Diesel
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
Fuel supplied from chassis fuel tank
Auxiliary engine shutdown system
Fuel/water separator

BLOWER, RUBBER LINED

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, RUBBER LINED

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) 4.0 yd³ (3.06 m³)
Capacity (useable) 3.1 yd³ (2.37 m³)
Construction Welded steel plate
Dump door 74 x 81.25 in (1880 x 2064 mm)
Dumping method Hydraulic with tilt up
Dumping height 72 in (1829 mm)
Dump clearance height 154 in (3912 mm)
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) Total of 26.6 ft³ (0.64 m³) capacity

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), dump door and pick-up head
Drive Gear driven from auxiliary engine
Capacity 5 GPM (18.925 LPM)
Reservoir 13.5 gal (51.1 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 Steel wire vertical digger 36 in (914 mm)

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 low water warning light in cab
Spray nozzles At gutter broom(s) and inside hopper
Fire hydrant and garden hose connections
Hydrant fill hose 20 ft (6 m)

CONTROLS

Inside cab (lighted) Pick-up head, gutter broom(s), ignition and tachometer (auxiliary engine), voltmeter, low water warning system (for dust control system), all safety lights, hour meter, pressure bleeder

Outside cab Dump

SAFETY/WARNING DEVICES

Alternating LED rear flashers (2)
Back-up alarm

OPTIONAL EQUIPMENT

Air purge, dust control system
Auto Sweep Interrupt
Auxiliary fuse panel
Auxiliary hand hose 6 in dia. (152 mm)
Auxiliary hydraulic system
Cabover dual steering
COMDEX package Up to 145 gal (549 L)
Requires Isuzu NPR-XD 132.5 in wheelbase
Gutter broom(s) (right or dual)
Gutter broom tilt adjuster(s) (right, left, or dual)
Gutter broom variable speed
Gutter broom drop-down
High output water system
Hi/Low pressure washdown system
Hopper drain system
Hopper deluge system
Light bar, cab mounted, halogen or LED
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 curtain lifter
Sound Reduction Engineering (SRE[®])
Stainless steel options:
Hopper:
Hopper weldment
Slide-out hopper screen
Blower housing
Dust separator
Inspection door
Hopper drain
Hopper slide-out screen (w/mild steel hopper)
Auxiliary hand hose hardware
Washdown hose reel, 50 ft (15 m) retractable
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 NQR
Isuzu NPR-XD

MODEL 435[®] REGENERATIVE AIR SWEEPER[®]

TIER 4 INTERIM AUXILIARY ENGINE/CABOVER CHASSIS



ISUZU NQR

ISUZU NPR-XD

CAB/CHASSIS		
GVW	17,950 lbs (8142 kg)	16,000 lbs (7257 kg)
Front Axle	6830 lb (3098 kg), 8440 lb (3828 kg) front spring capacity, front shock absorbers and stabilizer bar	6630 lb (3007 kg), 6830 lb (3098 kg), front spring capacity, front shock absorbers and stabilizer bar
Rear Axle	14,550 lb (6600 kg), 14,550 lb (6600 kg) rear spring capacity, rear shock absorbers	11,020 lb (4999 kg), 11,020 lb (4999 kg) rear spring capacity, rear shock absorbers
Gear ratio	5.125	5.125
Frame	7.20 SM (44,000 PSI)	7.20 SM (44,000 PSI)
Engine	Isuzu 4HK1-TC, turbo diesel	Isuzu 4HK1-TC, turbo diesel
Displacement	317 in ³ (5.19 L)	317 in ³ (5.19 L)
Power	215 hp (160 kW) @ 2500 RPM	215 hp (160 kW) @ 2500 RPM
Torque	452 lb-ft (613 Nm) @ 1850 RPM	452 lb-ft (613 Nm) @ 1850 RPM
Cooling	Radiator and transmission oil, heavy duty	Radiator and transmission oil, heavy duty
Transmission	Aisin A465 6-speed automatic	Aisin A465 6-speed automatic
Alternator	140 amp	140 amp
Batteries	Dual (2) 750 CCA	Dual (2) 750 CCA
Wheelbase	150 in (3810 mm)	132.5 in (4039 mm)
Turning diameter (wall to wall)	50.2 ft (15.30 m)	44.9 ft (13.69 m)
Turning diameter (curb to curb)	45.3 ft (13.81 m)	40 ft (12.19 m)
Fuel	Diesel	Diesel
Fuel tank, rear mounted in-rail	30 gal (113.7 L)	30 gal (113.7 L)
DEF tank	7.4 gal (28 L)	7.4 gal (28 L)
Tires (2-front, 4-rear)	225/70R-19.5E	225/70R-19.5E
Steering	Power	Power
Brakes	Dual circuit power assisted hydraulic, disc front, self-adjust drum rear, anti-lock brake system	Dual circuit power assisted hydraulic, disc front, self-adjust drum rear, anti-lock brake system
Instruments & lights	Full package as required	Full package as required
Seats	High back driver's seat with two occupant passenger seat	High back driver's seat with two occupant passenger seat
Cruise control	Yes	Yes
Mirrors	Exterior with integral convex mirror	Exterior with integral convex mirror
Air conditioned cab	Yes	Yes
Windows and door locks	Power	Power
Exhaust system	Vertical	Vertical
Audio System	AM/FM CD/WMA/MP3/USB stereo radio w/digital clock	AM/FM CD/WMA/MP3/USB stereo radio w/digital clock
Daytime running lights	Yes	Yes

SWEEPING WIDTH (Approximate)

Pick-up head only	78 in (1981 mm)	78 in (1981 mm)
With 1 vertical digger gutter broom	98 in (2489 mm)	98 in (2489 mm)
With 2 vertical digger gutter brooms	118 in (2997 mm)	118 in (2997 mm)

OVERALL DIMENSIONS (Approximate)

Length (sweeper body & chassis only)	246 in (6248 mm)	228 in (5791 mm)
Width	95 in (2413 mm) (w/1 gutter broom) 98 in (2489 mm) (w/2 gutter brooms)	95 in (2413 mm) (w/1 gutter broom) 98 in (2489 mm) (w/2 gutter brooms)
Height	102 in (2591 mm) @ chassis exhaust	102 in (2591 mm) @ chassis exhaust
Empty weight (sweeper body & chassis only)	12,720 lbs (5770 kg)	12,720 lbs (5770 kg)

*Dimensions and weight may vary with equipment.
Consult factory for additional specifications and other available truck chassis.*



REGENERATIVE AIR SWEEPERS



Model 435®

MADE IN WACO, TEXAS **USA**

THE STATE OF THE ART - FROM THE PEOPLE WHO

DESIGNED with both the CONTRACTOR and MUNICIPALITIES in mind

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.



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

TYMCO Regenerative

WHO INVENTED REGENERATIVE AIR SWEEPING!

MUNICIPALITY in MIND, the TYMCO Model 435® gives you . . .

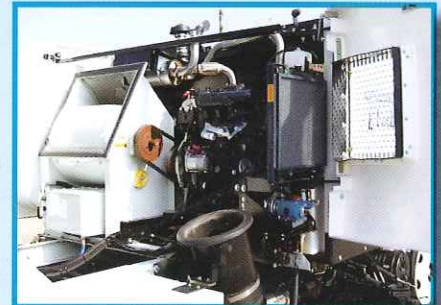
- Superior Performance
- Maneuverability
- Operability
- Ease of Maintenance
- TYMCO Reliability

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.

Regenerative Air Cleans Deeper™

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



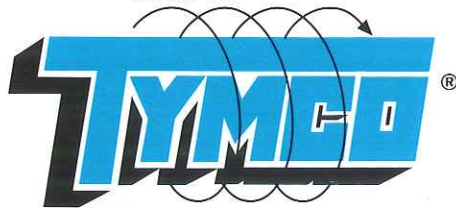
MODEL 600®
Standard Cab



MODEL 500x®
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MODEL 600®
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Dustless Sweeping Technology



MODEL DST-6®
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**TYMCO REGENERATIVE AIR SWEEPERS are
AQMD Rule 1186 Certified PM₁₀-Efficient**



MODEL 210®
Cabover

Sweeper chassis models may change without notice.

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Please Recycle

