



# MODEL 435<sup>®</sup> REGENERATIVE AIR SWEEPER / GENERAL SPECIFICATIONS

## SWEEPER AUXILIARY ENGINE

Engine ..... Kubota V2403MT, 4 cyl. (Tier 4i)  
 Displacement ..... 148.5 cubic inches (2426cc)  
 Horsepower ..... 56 @ 2,600 RPM (41.7 kW)  
 Net Torque ..... 121 ft-lb @ 1800 RPM (164 Nm)  
 Fuel water separator  
 Air cleaner ..... Dry type  
 Oil filter, spin on ..... Full flow  
 Cooling ..... Liquid  
 Auxiliary engine shutdown system

## BLOWER, Rubber Lined

Aluminum alloy high volume open face turbine  
 Purpose ..... Creates blast and suction  
 Bearings ..... Anti-friction  
 Housing ..... Abrasion resistant, replaceable liner  
 Drive ..... Heavy duty power band

## DUST SEPARATOR

Type ..... Cyclonic, multipass, centrifugal separation  
 Size ..... 18.5" x 22.5"  
 (470mm x 572mm) cylindrical area  
 Location ..... Adjacent to hopper  
 Particulate removal ..... Through 22.5" x .5"  
 (572mm x 13mm) skimmer slot into hopper  
 Inspection ..... Access port for cleaning

## HOPPER

Capacity (volumetric) ..... 4.0 cubic yards  
 (3.06 m<sup>3</sup>)  
 Construction ..... Welded steel plate  
 Dump door size ..... 74" x 81 1/4" (1880mm x 2064mm)  
 Dumping method ..... Hydraulic with tilt up  
 Dumping height ..... 72" (1829mm)  
 Dump door hydraulically opened/closed  
 Hopper screen ..... Lifts with door for easy cleaning

## STORAGE COMPARTMENTS

Front ..... 55 cu. ft. capacity  
 Rear (2) ..... Total of 26.6 cu. ft. capacity

## PICK-UP HEAD

Function ..... Air blast and suction chamber  
 Width ..... 78" (1981mm) I.D.  
 Head area ..... 2,028 sq. inches (1.34m<sup>2</sup>)  
 Suspension ..... 4 springs, 2 drag links  
 Skids ..... DUO-SKIDS<sup>®</sup>  
 Double wide, long life carbide  
 Heavy duty suction & pressure hose 12" diameter  
 (305mm)  
 Pressure bleeder ..... Integral for  
 leaf/light material pickup  
 Reverse pick-up head system

## HYDRAULIC SYSTEM

Operates gutter broom(s), dump and pick-up head  
 Drive ..... Gear driven from auxiliary engine  
 Capacity ..... 5 GPM (18.925LPM)  
 Reservoir ..... 13.5 gal.  
 (51.1L) ..... with 80 mesh suction strainer, sight/  
 temperature gauge  
 Filter ..... 10 micron in-line

## 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" (914 mm)

## DUST CONTROL SYSTEM

System of water spray nozzles for airborne dust  
 suppression  
 Pump ..... Electric diaphragm  
 Reservoir Polyethylene ..... 150 gal. (567.7L)  
 Filter ..... 80 mesh in-line  
 Low water shut-off ..... Safety shut-off  
 with low water warning light in cab coupled with  
 liquid level sensor  
 Spray nozzles ..... At gutter broom(s)  
 and inside hopper

## 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  
 Auto Sweep Interrupt  
 Auxiliary fuse panel  
 Auxiliary hand hose 6" dia. (152mm)  
 Auxiliary hydraulic system  
 Cabover dual steering  
 Gutter broom(s) ..... (Right or dual)  
 Gutter broom tilt adjuster(s) ..... (right, left, dual)  
 Gutter broom variable speed  
 Gutter broom Drop-Down  
 High output water system  
 Hi/Low pressure washdown system  
 Hopper drain system  
 Hopper deluge system  
 Hose reel, 50' retractable  
 Light Bar - cab mounted  
 Low emissions package  
 Magnet  
 Pick-up head curtain lifter  
 Sound Reduction Engineering (SRE<sup>®</sup>)

Stainless Steel Blower Housing  
 Stainless Steel Dust Separator  
 Stainless Steel Hopper Drain  
 Stainless Steel Hopper Screen  
 Stainless Steel Hopper  
 Color (other than TYMCO standard white)

*Special options are available for your individual requirements. Contact your local dealer or TYMCO.*

## CAB/CHASSIS

### Minimum Requirements

Suggested make & model ..... Isuzu NQR  
 GVW ..... 17,950 lbs (8142kg)  
 Engine, turbocharged diesel ..... 215hp 5.19L  
 Cooling ..... Radiator  
 and transmission oil, heavy duty  
 Transmission ..... Automatic  
 Alternator ..... 110 amp  
 Battery ..... Dual (2) 750 CCA  
 Wheelbase ..... 150" (3810 mm)  
 Fuel tank ..... 30 gal. (113.7L)  
 DEF Tank .. Diesel Exhaust Fluid Tank 7.4 Gal. (28 L)  
 Tires (2-front, 4-rear) ..... 225/70R-19.5E  
 Steering ..... Power  
 Brakes ..... Dual circuit power assisted hydraulic,  
 disc front, self-adjust drum rear, anti-lock brake  
 system  
 Instruments & lights ..... Full package as required  
 Back-up alarm  
 Air conditioned cab  
 Power windows and door locks  
 AM/FM CD stereo radio  
 Consult factory for sweeper specifications and other  
 available truck chassis.

## GENERAL

### SWEEPING WIDTH

Pick-up head only ..... 78" (1981mm)  
 With 1 gutter broom ..... 104" (2642mm)  
 With 2 gutter brooms ..... 130" (3302mm)

### OVERALL DIMENSIONS

#### (Approximate)

Length ..... 246" (6248mm)  
 Width ..... 90" (2286mm)  
 Add 10" (254 mm) for each broom  
 Height @ truck\* ..... 91.1" (2314mm)  
 Height with cab mounted light bar\* .. 96.6" (2454mm)  
 Empty weight\* ..... 12,000 lbs (5443kg)  
 Weight (sweeper)\* ..... 6,026 lbs (2733kg)

*\*May vary with equipment.*

**1-800-258-9626**

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Specifications subject to change without notice.