



TYMCO
REGENERATIVE AIR SWEEPERS
MODEL 435



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)
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 m³)
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 (1.34m²)
Suspension 4 springs, 2 drag links
Skids DUO-SKIDS®
Double wide, long life carbide
Heavy duty suction & pressure hose 12" diameter
(305mm)
Pressure bleeder Integral for
leaf/light material pickup

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

Auto Sweep Interrupt
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

Hi/Low pressure washdown system
Hopper drain system
Hopper deluge system
Hose reel, 50' retractable
Light Bar - cab mounted
Low emissions package
Reverse pick-up head system
Sound Reduction Engineering (SRE®)
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 5.19L
Cooling Radiator
and transmission oil, heavy duty
Transmission Automatic
Alternator 110 amp
Battery Dual (2) 750 CCA
Wheelbase 132.5" (3366 mm)
Fuel tank 30 gal. (113.7L)
Tires (2-front, 4-rear) 225/70R-19.5F
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 224" (5690mm)
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.*

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Specifications subject to change without notice.