







MODEL 435® MID-SIZE REGENERATIVE® AIR SWEEPER DIESEL AUXILIARY ENGINE / DIESEL CABOVER CHASSIS

EngineKubota V2403-CR-TE4B FT4, 4 cyl. Displacement

BLOWER, RUBBER LINED

Aluminum alloy, high	h volume, open face turbine
Bearings	Anti-friction
Housing	. Steel w/abrasion resistant,
replaceable liner	
Drive	Heavy duty power band
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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 achie	
(572 mm) skimmer slot	into skimmer hood
Inspection/cleanout port v	
handle	. 3

HOPPER

Capacity (volumetric)4.0 yd3 (3.06 m3)
Capacity (useable)3.1 yd³ (2.37 m³)
ConstructionWelded steel plate
Dump door opening77.25 x 70 in
(1962 x 1778 mm)
Dump method Hydraulic with tilt up
Dump height
Dump clearance height 154 in (3912 mm)
Dump door hydraulically opened/closed
Hopper screen lifts with door for easy cleaning
Abrasion protection package
Hopper drip edge extension

STORAGE COMPARTMENTS

Front	55 ft3 (1.5 m3)	capacity
Rear (2) 13.3 ft ³	(0.38 m³) (ea.)	capacity

PICK-UP HEAD

PICK-UP HEAD	
Type	Dual chambe
Width (inside dimension)	78 in (1981 mm
Head area2	028 in² (1.31 m²
Suspension 4 spr	
SkidsDUO-SKID®	, long life carbide
Suction hose diameter	
Pressure hose diameter	12 in (305 mm)
Pressure bleeder	Integral fo
leaf/light material pickup	
Reverse pick-up head system	

HYDRAULIC SYSTEM

Hydraulic oil Extended life

GUTTER BROOM, LEFT, Patented

Includes LED floodlight and parabolic mirror
DriveConstant speed
non-reversible hydraulic motor
AdjustmentAdjustable for
down pressure, pattern and wear
Down pressure Automatic
FlexibilityAll directions, Integral
anti-damage "swing away" relief valve
BroomSteel wire vertical
digger 36 in (914 mm)

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression
Pump Electric diaphragm
ReservoirPolyethylene, 150 gal (567.7 L)
Filter 80 mesh in-line
Low water shut-offSafety 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 hose20 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 to the operator 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

Leaf pressure bleeder control, BlueLogic display, 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

Additional camera views - pick-up head, left gutter broom, right gutter broom

Auto Sweep Interrupt (ASI)
Auxiliary fuse panel
Auxiliary hand hose 6 in dia. (152 mm)
Auxiliary hydraulic system
COMDEX package Up to 145 gal (549 L)
Requires Isuzu 132.5 in wheelbase
CurbView camera system

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 pressure 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 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 for your individual

requirements. Contact your local dealer or TYMCO.

CABOVER CHASSIS AVAILABLE

Isuzu NQR - 150 in wheelbase Isuzu NQR - 132.5 in wheelbase (COMDEX) Isuzu NPR-XD - 132.5 in wheelbase (COMDEX)