





ZE DUSTLESS REGENERATIVE® AIR SWEEPER UXILIARY ENGINE / DIESEL CABOVER CHASSIS

PICK-UP HEAD
Type
Width (inside dimension) 78 in (198 cm) Pick-up head area2028 in ² (1.31 m ²)
Suspension(4) springs, (2) drag links
SkidsDUO-SKID®, long life carbide
Suction hose diameter
Pressure hose diameter 12 in (30.5 cm) Reverse pick-up head system
GUTTER BROOMS, TWIN, Patented

Drive Constant speed

Adjustment......Adjustable for

non-reversible hydraulic motor

down pressure, pattern and wear

Abrasion protection package

Down pressureAutomatic
FlexibilityIntegral
anti-damage "swing away" relief valve
Broom Steel wire vertical
digger 36 in (91 cm)
Variable speed control
Hydraulic tiltTwin gutter brooms
adjust for curb depth
Floodlights(2) LED
Parabolic mirrors(2) 10.5 in (26.67 cm) dia.
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HYDRAULIC SYSTEM Operates gutter brooms, dump door and pick-up head Reservoir 13.5 gal (51.1 L) with 80 mesh suction strainer, sight/temp. gauge, oil cooler Filter......10 µm in-line Hydraulic oil..... Extended life 10W ISO 46 Cooler.....Air to oil Auxiliary hydraulic system

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression

PumpElectric diaphragm
ReservoirsPolyethylene, 77 gal (291.5 L),
total
Filter80 mesh in-line
Low water shut-off Safety shut-off
with audible and visual indicator in cab
Spray nozzles At gutter brooms
and inside hopper
Fire hydrant and garden hose connections
Hydrant fill hose20 ft (6 m)
High output water system

DUSTLESS FILTRATION SYSTEM

An external mounted modular filtration system with automatic BlueLogic® control adjustment Capacity (volumetric)......14 ft³ (0.40 m³) Filters.......... (4) MERV 16 Rated w/pre-cleaner Particulate removal efficiency ≥ 95% of 0.3 μm Long-life filters, unaffected by wet sweeping conditions.

Filters cleaned by intermittent air pulse Air compressorBelt driven, liquid cooled, engine lubricated

Compression rate (0.37 m³/minute) @1200 RPM

Shop air connection for air pulse system Dust box deluge washout system

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. Specific to DST models, BlueLogic also monitors and automatically controls the adjustments for the DST system, requiring no operator adjustments.

BlueLogic Display

Pedestal mounted touchscreen display provides sweeper and auxiliary engine data and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pickup head, blower, water pump, and DST filters; 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

BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, DST mode, purge system, dust control water system nozzles, safety lights

Exterior Components

Dump switch, BlueLogic Control Modules (BCMs)

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. Camera/monitor systems

Standard camera system:

Pick-up head view

Gutter broom view - left and/or right

CurbView camera system Gutter broom drop-down

Hi/Low washdown system

Light bar, cab mounted, LED

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

Stainless steel (non-magnetic) options: Hopper & dust box:

Hopper weldment

Dust box

Hopper door

Skimmer hood assembly

Hopper screen assembly

Inspection door

Suction inlet tube

Blower housing

Dust box

Dust separator

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.

CHASSIS AVAILABLE

Isuzu NQR