





**GENERAL SPECIFICATIONS** 

# **MODEL 500X<sup>®</sup> REGENERATIVE AIR SWEEPER<sup>®</sup>** FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

# **SWEEPER AUXILIARY ENGINE**

Engine .....John Deere, 4045 turbo, 4 cyl. (Final Tier 4)

Air cleaner ...... Heavy duty, w/pre-cleaner, and

Auxiliary engine protection system Fuel/water separator and separate fuel filter Open crankcase ventilation (OCV) filter

## **BLOWER**, RUBBER LINED

Aluminum alloy, high volume, open face turbine Purpose ......Creates blast and suction Bearings ....(2) sealed lifetime lube, anti-friction Housing ...... Isolation mounted

# **DUST SEPARATOR**

Type .....Cyclonic, multipass, centrifugal separation

Particulate removal achieved through dual skimmer slots into hopper

Abrasion resistant housing w/replaceable liner Self-opening, self-emptying when hopper tilts

### **HOPPER.** STAINLESS STEEL

Volumetric capacity	1 <sup>3</sup> )
Useable capacity4.0 yd <sup>3</sup> (3.06 n	1 <sup>3</sup> )
Construction	tić
stainless steel plate w/integral stiffeners	
Floor dump angle	50°
Floor dump angle	in
(1727 x 1448 mm) Dump door	
Dump door	na
Chute 72 x 48 in (183 x 122 cr	nĭ
stainless steel lined	,
Chute reach 22 in (56 cm) w/o side sh	hift
Dumping direction	de
Lifting methodTwo stage scissor lift, du	ial
hydraulic cylinders w/integral holding valve	c c
Lift consoity 10 000 lbc (4526 k	3
Lift capacity 10,000 lbs (4536 k	<u>9</u> )
Dump height Variat	ne
Minimum	n)
from bottom of chute to ground Maximum132 in (11 ft) (3353 mi	``
Maximum	n)
from bottom of chute to ground	

Hopper drain system

### RROOM ASSIST PICK-IIP HEAD (RAH®)

Type Dual chamber with broom assist
Function Delivers air blast and suction
Width
Pick-up head area
Broom 12 x 79 in (305 x 2007 mm)
enclosed in rear of pick-up head

leaf/light material pick-up.

Reverse pick-up head system

# **GUTTER BROOMS, TWIN, Patented**

Standard equipment, includes floodlights and parabolic mirrors

- Drive ..... .....Variable speed

# **HYDRAULIC SYSTEM**

drives blower

- Sweeper pump ...... Variable displacement piston pump, operates gutter brooms, pick-up head, stabilizers, hopper lift, hopper dump, and hopper door.

Cooler..... Air to oil integral with auxiliary engine heat exchanger Hydraulic level/temperature shutdown system Hydraulic oil filter restriction indicator - in cab Hydraulic oil sight/temperature gauge

Auxiliary hydraulic system

# DUST CONTROL SYSTEM

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pray nozzies.	
Pick-up head	4
Cuttor brooms (aash)	····· .
Gutter brooms (each)	<u>C</u>

Hopper ......1 Hydrant fill hose w/storage area ......20 ft (6 m)

**CONTROL SYSTEM** BlueLogic<sup>®</sup> Control System Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in echoextractor the subvious conduction the in-cab controls to the auxiliary engine and all sweeperfunctions; 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 brooms, pick-up head, blower, water pump, and BAH broom if applicable; dump cycle counter, sweeper odometer (records curb miles swept and by applicable bours) service reminder 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, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, blower RPM, dump cycle, variable speed gutter brooms, dust control water system nozzles, safety lights. Exterior Components

BlueLogic multiplex modules

### STORAGE COMPARTMENT

### **SAFETY/WARNING DEVICES**

SAFELT / WARNING DEVICES BlueLogic Control System utilizes solid-state proximity switches to help provide several safety systems: Right and left stabilizers automatically deploy before raising the hopper and retract after lowering the hopper, stabilizers down warning system, transmission interlock when stabilizers are down, blower actuation interlock, and minimum dump interlock Other interlock, and minimum dump interlock. Other devices include alternating LED rear flashers, front mounted SAE Class 1/California Title 13 amber beacon light (LED) w/ limb guard, back-up alarm, scissor lift safety props, dump door/tilt cylinder safety props, and shop prop.

### **OPTIONAL EQUIPMENT**

AOD water pump w/washdown hose/spray gun Abrasion protection package Auto Sweep Interrupt (ASI)

Auxiliary hand hose, 8`in (203 mm) diameter

- Camera/monitor system
- Gutter broom, drop down
- High output water system Hi/Low pressure washdown system
- Hopper load indicator alarms
- Hopper vibrator electric
- Linear actuator pressure bleeder w/gauge Low emissions package (required for South Coast AQMD Rule 1186)

- Magnet, light, standard, or heavy duty Pick-up head front curtain lifter
- Shop air purge, dust control system Sweeper deluge system, includes hopper and pick-up head deluge w/6 in (152 mm) cleanout port
- Screen vibrator pneumatic Paint color (other than TYMCO standard white)
- Special options are available for your individual requirements. Contact your local dealer or TYMCO.

# **CHASSIS AVAILABLE**

International 4300 Freightliner M2-106