





GENERAL SPECIFICATIONS

REGENERATIVE AIR SWEEPER® ENNV® MODEL ER 4 AUXILIARY ENGINE/CABOVER CHASSIS

MUDEL 50	
SWEEPER AUXILIARY ENGINE Engine John Deere, 4045 turb (Final Tier 4) Displacement 275 in Power 115 hp (86 kW) @ 22 Net torque 373 lb-ft @ 1500 RPM (8 Air cleaner Heavy duty, w/pre-clea in-cab air restriction indicator w/gaug Oil filter Spin on, Auxiliary engine fuel tank shared with c Diesel fuel tank capacity 50 gal DEF tank De Capacity (volumetric) 5.4 gal Capacity (useable) 3.8 gal Auxiliary engine protection system Fuel/water separator and separate fuel Open crankcase ventilation (OCV) filter	3 (4.5 L) 00 RPM 506 Nm) ner, and le. full flow chassis I (189 L) edicated (20.6 L) (14.4 L) filter
BLOWER, RUBBER LINED Aluminum alloy, high volume, open face Purpose	nounted
Type	219 mm) hopper gh dual
HOPPER, STAINLESS STEEL Volumetric capacity	3 x 57 in f-locking 122 cm)

Particulate removal achieved through dual skimmer slots into hopper Abrasion resistant housing w/replaceable liner Self-opening, self-emptying when hopper tilts	BSB
HOPPER, STAINLESS STEEL Volumetric capacity	BEE CYC HEHA DVPEELS H CB

BROOM Type	ASSIST	PICK-U	P HEA	D (BAH®)
Type	Dual	chamber	with bro	oom assist

Type Dua	al chamber with broom assist
Function	Delivers air blast and suction
Width	87 in (2210 mm)
Pick-up head area	
Broom	. 12 x 79 in (305 x 2007 mm)

GUTTER BROOMS, TWIN, Patented

Standard equipment, includes floodlights and parabolic mirrors

.....Variable speed non-reversible hydraulic motor

Down pressure Automatically adjusts to requirement

Hydraulic tilt......Twin gutter brooms adjust for curb depth

HYDRAULIC SYSTEM

IIIDRAGEIGGIGIEM
Drive Direct drive
Blower pump
displacement picton numb bydrostatically
displacement piston pump, hydrostalically
drives blower
Sweeper pump Variable displacement
piston pump, operates gutter brooms, pick-up
head, stabilizers, hopper lift, hopper dump, and
head, Stabilizers, hopper lift, hopper dump, and
hopper door.
Blower pump flow 26 GPM (100 LPM)
Sweeper pump flow 11 GPM (42 LPM)
BAH pump Gear pump,
on arotae Dream Assist Head bream meter
operates Broom Assist Head broom motor
BAH pump flow 8 GPM (30 LPM)
BAH pump flow
Return filter 3 micron,
spin-on, in-line return
Charge loop filter 10 micron
Vent filter10 micron spin-on
Cooler Air to oil
integral with auxiliary engine heat exchanger
integral with auxiliary engine heat exchanger Hydraulic level/temperature shutdown system
nvuraulic level/terriberature shutdown system

Hydraulic oil filter restriction indicator - in cab Hydraulic oil sight/temperature gauge Aúxiliary hydraŭlic system

DUST CONTROL SYSTEM

Nater spray nozzles for dust suppression ow water shut-off Safety shut-off with low water warning light in cab Spray nozzles: Pick-up head Gutter brooms (each)......2 Hopper......1 Hydrant fill hose w/storage area......20 ft (6 m)

the BlueLogic display.

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 approach an sweeperfunctions; as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through

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 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, blower RPM, leaf pressure bleeder, dump cycle, variable speed gutter brooms, dust control water system nozzles, safety lights.

Exterior Components
BlueLogic multiplay modules

BlueLogic multiplex modules

STORAGE COMPARTMENT

Location.....Rear left, beneath auxiliary engine

SAFETY/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 when stabilizers are down, blower actuation 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 dearthit culinder safety props, and shop prop. 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 load indicator alarms
Hopper vibrator - electric
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

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

Peterbilt 220