





GENERAL SPECIFICATIONS

MODEL HSP® REGENERATIVE AIR SWEEPER®

FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

Standard equipment includes floodlights and

SWEEPER AUXILIART ENGINE	
Engine John Deere 4045 turbo, 4 cy	/l
(Final Tier 4)	
Displacement275 in ³ (4.5 l	_)
Power 99 HP @ 2200 RPM (74 kW	V)
Net torque315 lb-ft @ 1600 RPM (427 Nn	n)
Air cleaner Heav	
duty, w/pre-cleaner, scavenge vacuum hose	
and in-cab air restriction indicator w/gauge.	
Remote oil filterSpin on, full flo	
Auxiliary engine fuel tank shared with chassis	
Diesel fuel tank capacity51 gal (193 l	
DEF tank Dedicated	
Capacity (volumetric) 5.4 gal (20.6 l	
Capacity (useable) 3.8 gal (14.4 l	_)
Auxiliary engine protection system	
Fuel/water separator and separate fuel filter	
Open crankcase ventilation (OCV) filter	

BLOWER, RUBBER LINED

Aluminum alloy, high	n volume, open face turbine
Purpose	Creates blast and suction
	ed lifetime lube, anti-friction
Bolt-on housing	Abrasion resistant,
replaceable liner	
Drive	Heavy duty power band

DUST SEPARATOR, HIGH CAPACITY

Type	Cyclonic, multipass,
centrifugal separation	
Size	20 x 61 in
cylindrical area (508 x 15	i49 mm)
Located adjacent to blower v	vithin hopper
Particulate removal achieved	
(1549 mm) skimmer slot in	to skimmer hood
Hinged inspection door open	ied from hopper
exterior	

Abrasion resistant housing w/replaceable wear resistant liner

HOPPER

7.3 yd3 (5.6 m3)
6 yd³ (4.6 m³
Welded steel plate
22°
84 x 44 ir
raulic with raker ba
36 in (914 mm)

PICK-UP MEAD, HSP, Patented
Type Dual chamber
Function Delivers air blast and suction
Width (inside dimension) 87 in (2210 mm)
Pick-up head area2784 in ² (1.79 m ²)
Suspension 4 springs, 2 drag links
SkidsDUO SKID®, long-life carbide
Suction hose diameter 10 in (254 mm)
Pressure hose diameter 14 in (356 mm)
Pressure bleeder Integral for
leaf/light material pickup

GUTTER BROOM. TWIN. Patented

steel wire, vertical digger **HYDRAULIC SYSTEM**

head	
Drive Gear drive	n from auxiliary engine
Capacity	8 GPM (30.3 LPM)
Reservoir 25 gal (94.6	6 L) w/80 mesh suction
strainer, sight/tempera	iture gauge, cooler
Filter	3 micron in-line

Operates gutter broom(s), dump and pick-up

Temperature shutdown system

DUST CONTROL 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.

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, 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, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, dust control water system nozzles. safety lights.

Exterior Components

Dump switch, BlueLogic multiplex module

SAFETY/WARNING DEVICES

Alternating LED rear flashers (2) Back-up alarm

SAE Class 1/California Title 13 amber beacon light with limb guard - LED

OPTIONAL EQUIPMENT AOD water pump w/washdown hose/spray gun

Abrasion protection package Auto Sweep Interrupt (ASI) Auxiliary hand hose 8 in dia. (203 mm) Auxiliary hand hose hydraulic boom assist Auxiliary hand hose catch basin cleaning

package Auxiliary hydraulic system

Camera/monitor system

COMDEX (extra water and tool box) 330 gal (1249 L) total capacity

Gutter broom tilt adjuster(s) (left, right, or twin)

Gutter broom variable speed Gutter broom drop-down

Hi/Low pressure washdown system

High output water system Hopper deluge system

Hopper drain system

Lateral airflow nozzle

Linear actuator - pressure bleeder w/gauge

Liquid recovery system

Magnet, light, standard, or heavy duty

Pick-up head curtain lifter

Shop air purge, dust control system

Spark resistant skids

Stainless steel options:

Hopper:

Hopper weldment

Dump door

Inspection doors

Raker plate

High capacity dust separator

Hopper screen

Blower housing

High capacity dust separator

Hopper drain

Paint color (other than TYMCO standard white)

Special options are available for your individual requirements. Contact your local dealer or ТҮМСО.

CONVENTIONAL CAB CHASSIS AVAILABLE

International 4300 Freightliner M2-106