







MODEL HSP® REGENERATIVE AIR SWEEPER® FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE	
Engine John Deere 4045 turbo, 4 d	cyl.
(Final Tier 4)	-
Displacement275 in ³ (4.5	L)
Power 99 HP @ 2200 RPM (74 k)	W)
Net torque315 lb-ft @ 1600 RPM (427 N	m)
Air cleaner Heavy duty, w/pre-cleaner a	nd
scavenge vacuum hose	
Remote oil filterSpin on, full fle	
Auxiliary engine fuel tank shared with chassi	S
Diesel fuel tank capacity51 gal (193	L)
DEF tankDedicate	ed
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

	volume, open face turbine
Purpose	.Creates blast and suction
Bearings(2) seale	d lifetime lube, anti-friction
Bolt-on housing	Abrasion resistant,
replaceable liner	
Drive	Heavy duty power band

DUST SEPARATOR, HIGH CAPACITY

TypeCyclonic, multipa	SS,
centrifugal separation	
Size20 x 61	in
cylindrical area (508 x 1549 mm)	
Located adjacent to blower within hopper	
Particulate removal achieved through 61 in	
(1549 mm) skimmer slot into skimmer hood	
Hinged inspection door opened from hopper	
exterior	
Abrasion resistant housing w/replaceable wear	

HOPPER

resistant liner

HOFFER	
Capacity (volumetric)	7.3 yd3 (5.6 m3)
Capacity (useable)	6 yd³ (4.6 m³
Construction	Welded steel plate
with integral stiffeners	
Floor angle	22°
Dump door opening	84 x 44 ir
(2134 x 1118 mm)	
Dumping methodHy	draulic with raker ba
Dumping height	36 in (914 mm)

DICK-IID HEAD HED Detented

PICK-UP HEAD, HSP, F	Patented
Type	Dual chamber
Function Delivers	air blast and suction
Width (inside dimension)	
Pick-up head area	2784 in² (1.79 m²)
Suspension 4	springs, 2 drag links
SkidsDUO SKI	D®, long-life carbide
Suction hose diameter	14 in (356 mm)
Pressure hose diameter	10 in (254 mm)
Pressure bleeder	Integral for
leaf/light material pickup	-

GUTTER BROOM, TWIN, Patented

Standard equipment includes floodlights and
parabolic mirrors
DriveConstant speed
non-reversible hydraulic motor
Adjustment Adjustable for
down pressure, pattern and wear
Down pressureAutomatically
adjusts to requirement
FlexibilityAll directions integral
anti-damage "swing away" relief valve
Broom
steel wire, vertical digger

HYDRAULIC SYSTEM

Operates gutter broom	i(s), dump and pick-up
head	
Drive Gear driv	en from auxiliary engine
Capacity	8 GPM (30.3 LPM)
Reservoir 25 gal (94	.6 L) w/80 mesh suction
strainer, sight/temper	rature gauge, cooler
	3 micron in-line
Temperature shutdown	n system

DUST CONTROL SYSTEM

CONTROLS

Inside cab (lighted)

Pick-up head, gutter broom(s), ignition and tachometer (auxiliary engine), voltmeter, low water warning system (for dust control system), all safety lights, hour meter, pressure bleeder, auxiliary fuse panel

BlueLogic® Display

High resolution, color LCD multi-function touchscreen display that provides the operator feedback on the status of the sweeper and auxiliary engine. The display provides information for all safety equipment, as well as lifetime and trip hours for sweeper equipment such as the gutter brooms, pick-up head, pick-up head broom, and blower. The display also provides service hours for the auxiliary engine and hydraulic system fluids and filters. Additionally, the sweeper odometer records lifetime and trip curb miles swept.

BlueLogic® Control System

Multiplexed electrical control system which provides intelligent safety features and assists in sweeper troubleshooting with on board diagnostics (OBD).

Outside cabDump

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 w/overspeed interrupt 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

Hose reel, 50 ft (15.24 m) retractable

Lateral airflow nozzle

Linear actuator - pressure bleeder w/gauge

Liquid recovery system

Magnet, light, standard, or heavy duty

Pick-up head curtain lifter

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 TYMCO.

CONVENTIONAL CAB CHASSIS AVAILABLE

International 4300 Freightliner M2-106