

**VICTORY
SWEEPERS INC.**

WINNING TOGETHER

victorysweepers.com

LIBERTYDX

TM



Specifications



*4.35 Cubic Yard
High Dump
Recirculating Air
Pavement Cleaner*

DEBRIS HOPPER

Capacity.....	4.35 cubic yards/3.32 cubic meters
Construction.....	Steel
Exterior Finish.....	Powder Coated
Interior Finish.....	Powder Coated
Suction Tube Diameter.....	10"
Suction Tube Material.....	Replaceable, Polyethylene
Engine Shroud (optional).....	Steel
Inspection Doors.....	1 on each side
Inspection Door Opening.....	13.7" x 26"
Dump Type.....	Hydraulic
Dump Cylinders.....	2 @ 4 x 16 <i>(counterbalance safety valves standard)</i>
Dump Height.....	70"/1,778mm <i>(measured from ground to hopper opening)</i>
Dump Controls.....	Electric in-cab
Separator Screen Construction.....	Removable 2 pc
Separator Screen Maintenance.....	Hydraulic assist access door

AUXILIARY ENGINE

Type/fuel.....	4 Cycle/diesel
Model.....	3024CT Caterpillar
Servicing Dealer Network.....	Caterpillar
Number of Cylinders.....	4
Displacement.....	2.2L Turbo Charged
Bore.....	84mm
Stroke.....	100mm
Brake Horsepower.....	45.5KW/61 BHP
Oil Filter.....	Spin on
Air Filter.....	2 pc / Dry type w/ safety element
Safety Shutdown.....	Temperature and oil pressure

IMPELLER

Diameter.....	30"/762mm
Type.....	10 blade/backward inclined/high pressure
Maximum Speed.....	3050 RPM
Drive.....	5 Groove banded belt
Construction.....	2 Abrasion resisting grades of keyed welded steel
Mounting.....	2 Sealed & relubable ball bearings
Housing Construction.....	Welded steel
Housing Type.....	Unobstructed for open flow
Liner.....	Replaceable corded rubber
Liner Bolts.....	Coated for increased abrasion resistance

HYDRAULIC SYSTEM

Pump Type.....	Fixed displacement gear
Drive.....	Direct from auxiliary engine
Pump Capacity.....	5 GPM
System Filter.....	.6 micron
Reservoir Capacity.....	13 gallons (49 L)

Back-up: (optional)

Pump Type.....	12 volt DC
Controls.....	In cab
Purpose.....	Power ALL hydraulic functions without auxiliary engine

DUST SUPPRESSION

Water capacity.....	105 Gallons/397 L
Tank construction.....	Polyethylene
Pump type.....	12 volt, Diaphragm
Controls.....	In cab

CURB BROOM

Controls.....	Electric in-cab
Diameter.....	39"/991mm
Drive.....	Direct - Hydraulic motor
Tilt.....	Electric in-cab
Suspension.....	Spring
Bristle Type.....	Vertical digger
Bristle Material.....	Oil tempered wire
Bristle Length.....	20 or 26"

SWEEPING HOOD

Type.....	Blast - Suction / Right to Left
Towing Type.....	2 Trailing arms
Suspension.....	4 Springs
Up Storage.....	Rubber stops
Type.....	2 piece
Material.....	Welded steel
Pressure Tube.....	10" Diameter AR steel
Suction Tube.....	10" Diameter AR steel
Hood Widths.....	Standard 82"
Optional.....	.90"
Flaps.....	3 Total
Front.....	1/4" x 6.5" non-corded
Middle.....	3/8" x 6" non-corded
Rear.....	1/2" x 6" non-corded
Skids.....	Single Row
Skid Material.....	Steel with virgin Tungsten Carbide
"Hoods - UP" (Anti-plowing).....	Independent hydraulics
"Hoods - UP" Controls.....	Electric in-cab

CONTROLS

Type.....	Electric
Location.....	In Cab
Circuit Breakers.....	Individually resettable
Switches.....	Rocker

Monitoring Gages:

- Coolant temperature (opt)
- Oil pressure (opt)
- Hour meter (std)
- Voltage (opt)
- Tachometer (opt)

STANDARD CHASSIS

Capacity GVWR.....	12,000 lbs/5,454 kgs
Make.....	Isuzu/GMC
Model.....	NPRW3500

PROPULSION ENGINE

Type/Fuel.....	4 Cycle / Diesel
Model.....	Isuzu - 4 HK-TC
Cylinders.....	4
Displacement.....	5.19 L / 317 cid
Horsepower.....	190 hp @ 2600 RPM
Starter.....	12 v / 3kw
Alternator.....	12 v/110 amp
Battery.....	2 @ 12 v - 750 CCA each
Oil Filter.....	Spin on
Air Filter.....	2 piece - Dry type w/ safety element

TRANSMISSION

Make.....	Isuzu
Type.....	Automatic
Speeds.....	4 Forward, 1 Reverse

TIRES AND WHEELS

Configuration.....	4 Rear, 2 Front
Tire Type.....	Tubeless / Steel belted radials
Tire Size.....	215/85R 16E
Wheels.....	Steel/one piece

BRAKES

Type.....	Front disc/Rear drum
Power.....	Hydraulic dual circuit w/ load sense valve
Parking.....	Mechanical/Trans mounted
Exhaust.....	Vacuum assist

CAB

Type.....	Cab over Engine
Engine Access.....	Manual tilt
Construction.....	Steel
Air Conditioning.....	Standard
Radio.....	Standard
Windows.....	Electric
Steering.....	Integral Power
Color.....	White

WEIGHTS AND DIMENSIONS

Total Empty Weight.....	9,900 lbs / 4,500 kgs
Chassis only Curb Weight.....	5,315 lbs / 2,415 kgs
Wheel Base.....	109" / 2,769mm
Turning Diameter (curb-to-curb).....	33' 6" / 10,21m
Overall Length.....	214" / 5,435mm
Overall Height.....	92" / 2,337mm
Overall Width.....	92" / 2,337mm
Sweeping Width (hood only).....	82" / 2,083mm
Sweeping Width (hood and left broom).....	101" / 2,565mm
Sweeping Width (hood and dual brooms).....	116" / 2,946mm

OPTIONAL EQUIPMENT

- Engine Shroud
- Dual Brooms
- LED Hood lights
- Spray Bar
- Spare Tire & Wheel
- Hand Hose 6"
- LED Bar light
- 12 Volt Backup
- Back-up Alarm
- Big Bumper
- Dump Assist Shaker
- Tool Boxes
- Tool Box Trays
- Package Trays

STANDARD 12 MONTH LIMITED WARRANTY

12 Month, 1200 Hour Warranty

(whichever occurs first)

1. Chassis – Limited 36 mo or unlimited mileage
2. Perkins & Caterpillar Auxiliary Engines – Limited 12 mo or 1200 hrs
3. Sweeper Unit – Limited 12 mo or 1200 hrs
4. Hydraulics – Limited 12 mo or 1200 hrs
5. Electrical Controls & Components – Limited 12 mo or 1200 hrs
6. LED Lighting – Limited 12 mo or 1200 hrs
7. Carbide Skid Shoes – Limited 12 mo or 1200 hrs
8. Fan – Limited 12 mo or 1200 hrs

**Please read actual warranty for details and limitations
Combination of options may require heavier GVW Chassis



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Model shown with optional equipment • Specifications subject to change without notice

