

NiteHawk Osprey II Specifications

STANDARD SPECS

GENERAL

Length	19'4" (5942mm)
Width (Mirrors Folded In)	92" (2336mm)
Height	Ford 78" (1981mm) / GMC 80" (2032mm)
Sweep Path	82" (2083mm)
Sweep Path w/ 1 Broom	94" (2387mm)
Sweep Path w/ Dual Broom	102" (2591mm)
Dump Height	67" (1701mm)
Dump Angle	92 Degrees
Turning Radius	219" (5562mm)
Wheelbase	142" (3507mm)
Db Level 100% Power (in cab)	75 Db
Db Level 100% Power (50ft)	77 Db
Weight	8,072 lbs (3551kg)

ELECTRICAL

Voltage	12V
Display	16x9 Aspect, 5" (127mm) LCD
Circuit Breaker	Resettable

SAFETY / LIGHTING

Work Lights	White LED, 2000/950 lm Each
Curb Broom Lights	White LED, 2000/950 lm Each
Hopper Marker Lights	Red LED
Warning Beacon	Amber LED, High Dome, 6" (152")
Backup Alarm	Audible
Backup Camera	Automatic
Spare Tire	Full Size Spare

HYDRAULIC SYSTEM

Controls	CAN Bus Keypad
Gauges	LCD Heads Up Display
Reservoir Capacity	30 Gallons (114 L)
Main Pump	Pressure Compensated Piston
Gallons Per Minute:	6.5 GPM (24 LPM)
Fan Motor	Fixed Displacement Gear
Dump Cylinders	3"x18"/18,000lbs (76x457mm/8164 kg)
Head Cyllinders	1.5"x6"/2,000lbs (38x152mm/907 kg)
Curb Brm Cylinder	1.5"x6"/2,000lbs(38x152mm/907 kg)
Max Pressure	4,000 PSI (281 kg/cm)
Idle Pressure	295 PSI (20 kg/cm)
Filter (HP)	Replaceable Element, 10 Micron
Filter (LP)	Replaceable Element, 10 Micron
Protection	Dump Cylinder CounterBalance Valves
Hydraulic Fluid Grade	MV32
Operating Temp	120 Deg F (49 Deg C)
Fluid Gauge	External Sight and Temp Gauge

FAN

Type	8 Blade Hi Flow Radial Turbine
Material	10g A36 Side Plates
Liner	1/8 x 1/16 2 Ply Belting
Shaft	1 1/4" Stress-proof G&P (31.75 mm)
Bearings	1 1/4 2 Bolt Flane, Sealed
Fan Size	24"

HEAD

Width	86" (2185mm)
Area	1,804 Sq Inches (45821 Sq mm)
Skids	Double Row Tungsten Carbide
Suction Tube	10" (254mm)
Pressure Tube	10" (254mm)

HOPPER

Capacity	3.0 Cubic Yard (2.3 Cubic Meter)
Material	3CR12 Stainless Steel
Construction (Gauge)	12 Gauge (2.5mm)
Screen	#9 3/4 Expanded Metal
Screen Type	Non-Clogging
Exterior Coating	Commercial Grade PowderCoat
Dump Door Opening	63"x18" (1600x457mm)
Side Door Opening	22"x12" (558x309mm)
Rear Toolboxes	Dualside Access, Locking, Lighted

GUTTER BROOM

Diameter	16" (406mm)
Length	8.5" (216mm)
Material	Poly
Design	Free Floating
Type	Vertical Digger
Controls	InCab
Location	Driver Side
Tilt Adjust	Manual
Speed Adust	Manual

WATER SYSTEM

Capcity	45 Gallon (170 L)
Tank Material	Polyethylene
Pump	Electric, 2.8 GPM (10.5L)
Spray	Hollow Cone Mist
Nozzles #	5 Front, 2 Head, 1 Per Curb Broom
Filter	Cleanable, #50 Mesh
Fill Diameter	8"
Controls	InCab

OPTIONAL EQUIPMENT

CHASSIS

Alt Fuel - LPG	See Specs Below
Extended Warranty	Available
Trailer Tow Hitch	Class IV, 7pin Wiring

PERFORMANCE

Dust Suppression	See Water System
Passenger Broom	Vertical Digger
Side Blower Hose	3"
Side Suction Hose	6" Hose, 8 ft reach (152mm, 2.5M Reach)

PROTECTION

Exterior Fire Ext	10lb, A/B/C Rated
HD Front Bumper	3/16" Plate, Padded
Magnet - Front	72" Magnet Bar (1828mm)
Magnets - Rear	Dual 16" Magnet Bars (406mm)

VISIBILITY

Front/Rear Bumper Flashers	Amber LED, 120° Beam
Multi View Camera	3 Camera Sys, InCab Display
Traffic Advisor	30" LED Bar Flasher
Work Light - Front	15" LED Wide Angle LED
Work Light - Rear	15" LED Wide Angle LED
Light Bar	Amber LED, 17" (432m)

CHASSIS SPECS

FORD SUPER DUTY F-250 (Gas)

Manufacturer	Ford
Engine	6.8L V8
HP	405 HP @ 5,000 RPM
Torque	445 lb/ft @ 4,000 RPM
Transmission	Automatic, 10 Speed
Steering	Powered, Re-Circulating Ball
Front Axle - GAWR	3,800 lbs (1723 kg)
Rear Axle - GAWR	6,340 lbs (2875 kg)
Brakes	4 Wheel Vented Disc ABS
Wheels and Tires	LT245/75Rx17E
Wheelbase	142" (3851 mm)
Turning Radius	375" (9525mm)
Curb Weight Chassis Only	5,697 lbs (2584 kg)
Curb Weight w Sweeper	8,086 lbs (3667 kg)
GVWR	10,000 lbs (4535kg)
GCWR	19,500 lbs (8845kg)
Alternator	160 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 34 Gallon (128 L)
Ext Warranty	Available

CHEVROLET 2500HD (Gas)

Manufacturer	Chevrolet
Engine	6.6L L8T V8
HP	401 HP @ 5,200 RPM
Torque	464 lb/ft @ 4,000 RPM
Transmission	Automatic, 10 Speed
Steering	Smart Flow Power Steering
Front Axle - GAWR	4,400 lbs (1996kg)
Rear Axle - GAWR	6,390 lbs (2898 kg)
Brakes	Power Assist Four-Wheel Disc, ABS
Wheels and Tires	LT245/75R17
Wheelbase	141" (3581mm)
Turning Radius	295" (7493mm)
Curb Weight Chassis Only	6,074 lbs (2755 kg)
Curb Weight w Sweeper	8,463 lbs (3838kg)
GVWR	9,300 lbs (4218kg)
GCWR	14,500 lbs (6577kg)
Alternator	170 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 36 Gallon (136 L)
Ext Warranty	Available

ALTERNATIVE FUEL SPECS

LPG (Liquid Petroleum Gas)

Tank	Chassis Mounted, Steel Tank
Capacity	21 Gas Gallon Equivelent
Type	Bi-Fuel
Certification	EPA for 48 States



Call Toll-free at 1.800.448.9364
www.nitehawksweepers.com

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