



# NiteHawk Osprey II Specifications

## STANDARD SPECS



### GENERAL

Length	19'4" (5942mm)
Width (Mirrors Folded In)	92" (2336mm)
Height	Ford 75" (1905mm) / GMC 78" (1981mm)
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 Cylinders	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	AW46
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 Flange, 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

Capacity	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
Interior - Powdercoat	
Interior - RhinoLining	
Magnet - Front	72" Magnet Bar (1828mm)
Magnets - Rear	Dual 16" Magnet Bars (406mm)

### STORAGE

Storage Tray	6 Sq Feet (.55 Sq M)
--------------	----------------------

### 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	6.2L SOHC Flex Fuel V8
HP	385 hp @ 5,750 rpm
Torque	430 lb-ft @ 3,800 rpm
Transmission	TorqShift HD 6 Speed Auto
Steering	Power Hydraulic
Front Axle - GAWR	3,950 lbs (1791 kg)
Rear Axle - GAWR	6,340 lbs (2875 kg)
Brakes	4 Wheel Vented Disc ABS
Wheels and Tires	LT245/75R17E
Wheelbase	141" (3581mm)
Turning Radius	375" (9525mm)
Curb Weight Chassis Only	5,683 lbs (2578kg)
Curb Weight w Sweeper	8,072 lbs (3661kg)
GVWR	10,000 lbs (4535kg)
GCWR	19,500 lbs (8845kg)
Alternator	157 Amps
Battery	Qty 1 (Maint Free 650 CCA)
Fuel Tank	In-rail, 34 Gallon (128 L)
Ext Warranty	Available

### GMC 2500HD (Gas)

Manufacturer	GMC
Engine	GMPT L96 Vorec 6.0L
HP	360 hp @ 5,400 rpm
Torque	380 lb-ft @ 4,200 rpm
Transmission	6L90 6 Speed Auto
Steering	Smart Flow Power Steering
Front Axle - GAWR	4,400 lbs (1996kg)
Rear Axle - GAWR	11,020 lbs (2812kg)
Brakes	Power Assist Four-Wheel Disc, ABS
Wheels and Tires	LT235/80R17
Wheelbase	133" (3393mm)
Turning Radius	295" (7493mm)
Curb Weight Chassis Only	5,741lbs (2604kg)
Curb Weight w Sweeper	8,130 lbs (3687kg)
GVWR	9,300 lbs (4218kg)
GCWR	14,500 lbs (6577kg)
Alternator	150 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 Equivalent
Type	Bi-Fuel
Certification	EPA for 48 States