



# NiteHawk Raptor II Specifications

## STANDARD SPECS



### GENERAL

Length	19'6" (5944mm)
Width (Mirrors Folded In)	92" (2336mm)
Height	91" (2311mm)
Sweep Path	82" (2083mm)
Sweep Path with 1/Broom	95" (2413mm)
Sweep Path w/Dual Broom	104" (2641mm)
Dump Height	67" (1701mm)
Dump Angle	92 Degrees
Turning Radius	219" (5562mm)
Wheelbase	109" (2768mm)
Db Level 100% Power (in cab)	75 Db
Db Level 100% Power (50ft)	77 Db
Weight	8,250 lbs (3742kg)

### 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 Up Camera	Automatic

### 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)

### 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

### HOPPER

Capacity	5.0 Cubic Yard (4.6 Cubic Meter)
Material	304 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	19"x65" (482x1651mm)
Side Door Opening	15"x29" (381x736mm)
Rear Toolboxes	Dualside Access, Locking, Lighted

### 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"

### GUTTER BROOM

Diameter	16" (406mm)
Length	13" (330mm)
Material	Poly or Poly/Steel Blend
Design	Free Floating
Type	Vertical Digger
Controls	InCab
Location	Driver Side
Tilt Adjust	Manual
Speed Adust	Manual

### WATER SYSTEM

Capcity	100 Gallon (378L)
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
Alt Fuel - CNG	See Specs Below
Dual Steering	Passenger side steering and controls
Extended Warranty	Available
Spare Tire	Full Size Spare
Trailer Tow Hitch	Class IV, 7pin Wiring

### PERFORMANCE

Dust Suppression	See Water System
Passenger Broom	Vertical Digger
Poly/Steel Broom(s)	75 / 25 Poly / Steel Blend
Side Blower Hose	3"
Side Suction Hose	6" Hose, 10 ft reach (152mm, 3M Reach)

### PROTECTION

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

### STORAGE

Storage Tray	8 Sq Feet (2.4 Sq M)
Storage Tray - Dual	16 Sq Feet (4.8 Sq M)
Toolbox - Low Profile	14 Cubic Feet (4.2 Cubic M)
Toolbox - XL	14 Cubic Feet (4.2 Cubic M)
Tool Rack	3 Tool Holder

### 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

### ISUZU NPR (Gas)

Manufacturer	Isuzu
Engine	GMPT L96 Vorec 6.0L
HP	297 hp @ 4,300 rpm
Torque	372 lb-ft @ 4,000 rpm
Transmission	6L90 6 Speed Auto
Steering	Integral Hydraulic
Front Axle - GAWR	4,860 lbs (2204 kg)
Rear Axle - GAWR	8,840 lbs (4010 kg)
Brakes	Vacuum/Hydraulic with ABS Disc/Drum
Wheels and Tires	215/85R 16E (10-ply)
Wheelbase	109" (2768mm)
Turning Radius	219" (5562mm)
Curb Weight Chassis Only	5,022 lbs (2278kg)
Curb Weight w Sweeper	8,250 lbs (3742kg)
GVWR	12,000 lbs (5443kg)
GCWR	18,000 lbs (8164kg)
Alternator	140 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 30 Gallon (114 L)
Ext Warranty	Available

### ISUZU NPR HD (Gas)

Manufacturer	Isuzu
Engine	GMPT L96 Vorec 6.0L
HP	297 hp @ 4,300 rpm
Torque	372 lb-ft @ 4,000 rpm
Transmission	6L90 6 Speed Auto
Steering	Integral Hydraulic
Front Axle - GAWR	6,630 lbs (3007kg)
Rear Axle - GAWR	11,020 lbs (4998kg)
Brakes	Vacuum/Hydraulic with ABS Disc/Drum
Wheels and Tires	225/70R 19.5G (14-ply)
Wheelbase	109" (2768mm)
Turning Radius	219" (5562mm)
Curb Weight Chassis Only	5,326lbs (2415kg)
Curb Weight w Sweeper	8,554 lbs (3880kg)
GVWR	14,500 lbs (6577kg)
GCWR	20,500 lbs (9299kg)
Alternator	140 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 30 Gallon (114 L)
Ext Warranty	Available

### ISUZU NPR HD (Diesel)

Manufacturer	Isuzu
Engine	4HK1-TC 5.2L
HP	215 @ 2,500 rpm
Torque	452 lb-ft @1,850 rpm
Transmission	Aisin a465 6 Speed Auto
Steering	Integral Hydraulic
Front Axle - GAWR	5360 lbs
Rear Axle - GAWR	9880 lbs
Brakes	Vacuum/Hydraulic with ABS Disc/Drum
Wheels and Tires	215/85R 16E (10-ply)
Wheelbase	109" (2768mm)
Turning Radius	219" (5562mm)
Curb Weight Chassis Only	5,964 lbs (2705kg)
Curb Weight w Sweeper	9192 (4169kg)
GVWR	14,500 lbs (6577kg)
GCWR	20,500 lbs (9299kg)
Alternator	140 Amp
Battery	Qty 2 (Maint Free 750 CCA)
Fuel Tank	In-Rail, 30 Gallon (114 L)
Ext Warranty	Available

## ALTERNATIVE FUEL SPECS

### LPG (Liquid Petroleum Gas)

Tank	Chassis Mounted, Steel Tank
Capacity	54 Gas Gallon Equivalent
Type	Bi-Fuel
Certification	EPA for 48 States

### CNG (Compressed Natural Gas)

Tank	Chassis Mounted, Dual Composite Tanks
Capacity	60 Gas Gallon Equivalent
Type	Dedicated
Certification	EPA and Carb



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