

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 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

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 Flane, 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*

Capacity	100 Gallon (378L) or 200 Gallon (756L)
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

* Water system is an optional component

OPTIONAL EQUIPMENT

CHASSIS

Alternative Fuel - LPG	See Specs Below
Extended Warranty	Available

PROTECTION

Exterior Fire Ext	10lb, A/B/C Rated
HD Front Bumper	3/16" Plate, Padded
HD Seat Covers	All Weather Vinyl
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)

PERFORMANCE

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

STORAGE

Storage Tray - Dual	16 Sq Feet (4.8 Sq M)
Toolbox - XL	14 Cubic Feet (4.2 Cubic M)

CHASSIS SPECS

ISUZU NPR (Gas)

Manufacturer	Isuzu
Engine	GMPT 6.6L-V8/400 CID
HP	350 HP @ 4,500 RPM
Torque	425 lb-ft @ 3,800 RPM
Transmission	8L90 Hydra-Matic 8-Speed
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
Wheels and Tires	215/85R 16E (10-pr)
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	170 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 38.6 Gallon (146.1 L)
Ext Warranty	Available

ISUZU NPR HD (Gas)

Manufacturer	Isuzu
Engine	GMPT 6.6L-V8/400 CID
HP	350 HP @ 4,500 RPM
Torque	425 lb-ft @ 3,800 RPM
Transmission	8L90 Hydra-Matic 8-Speed
Steering	Integral Hydraulic
Front Axle - GAWR	6,630 lbs (3007kg)
Rear Axle - GAWR	11,020 lbs (4998kg)
Brakes	Vacuum/Hydraulic with ABS Disc
Wheels and Tires	225/70R 19.5F/G (12/14-pr) stnrd)
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	170 Amps
Battery	Qty 1 (Maint Free 750 CCA)
Fuel Tank	In-rail, 38.6 Gallon (146.1 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 (2431 kg)
Rear Axle - GAWR	9,880 lbs (4481 kg)
Brakes	Vacuum/Hydraulic with ABS Disc
Wheels and Tires	215/85R 16E (10-ply)
Wheelbase	141.55" (3595mm)
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 Equivelent
Type	Bi-Fuel
Certification	EPA for 48 States



Call Toll-free at 1.800.448.9364
www.nitehawksweepers.com

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