



Miller
Since 1899

NITRO

*7000 SERIES
MILLER INTELLIGENCE*



MILLER SPRAYVIEW™: THE CAB YOU LOVE, ONLY BETTER

Designed with the operator in mind, the purpose-built SprayView cab leads the industry in comfort with a wide leather-wrapped, high-back air ride Grammar® seat that ensures every operator stays comfortable, even after an extended day of spraying.

LUXURY APPOINTMENTS INCLUDE:

- Leather-wrapped, high-back air-ride Grammar® seat
 - Heated and ventilated
 - Air-suspended
 - Adjustable height
 - Power-adjustable lumbar
- Leather instructor seat
- 12V cooler, located under the instructor seat
- Auxiliary outlets
- USB ports
- Auto-headlights
- Climate control
- Rear camera
- XGrip® phone holder



**PURPOSELY DESIGNED
FOR COMFORT & PRODUCTIVITY**

PANORAMIC VISIBILITY

With its vast glass area, the cab design offers 270° visibility, ensuring the operator always has an uninterrupted view of the surroundings.

COMFORT & SAFETY: OUR PRIORITIES

Safety is always at the forefront for Miller.

With an active carbon filter, the ISO Standard Class IV pressurised cab ensures your safety is paramount.



**MAKE CRITICAL ADJUSTMENTS
RIGHT FROM THE CONVENIENCE
OF THE CAB.**



SIDEWINDER™ ULTRA CONSOLE

- 1 Manual Fold Boom Controls
- 2 Plumbing & Boom Control
- 3 Programmable Lighting
- 4 Engine Throttle Controls
- 5 Traction Control
- 6 Boom Autofold
- 7 Headlights
- 8 Flashers/Transport Lights
- 9 Axle Width Wheel Thread Adjust
- 10 Ultra Flow
- 11 On/Off/Index Section Control
- 12 Programmable Spares
- 13 Centre Rack Raise/Lower
- 14 Boom Tilt Adjustment
- 15 Programmable Speed Presets
- 16 Cruise Speed Adjust
- 17 Master Apply
- 18 Travel Direction Control
- 19 Auto-Steer

MILLER INTELLIGENCE; DATA & CONTROL AT YOUR FINGERTIPS

THE MILLER INTELLIGENCE DIFFERENCE

Miller Intelligence ensures that you are always connected to your data and sprayer via the new SprayView12[®] screen and MY PLM.

ACCESS REALTIME DATA WITH NEW DISPLAYS

Get fingertip control of important and day-to-day operation of your sprayer, whilst providing critical machine data with the new 12.1" SprayView12[®] display. Easily access on-the-go information at a glance with the Miller Vis2[®] display.

MY PLM

View and record machine data from your home office via your My PLM account. You can also allow your dealer's service team access to any fault codes and perform remote diagnostics.

FIELD COMPUTERS

Miller Intelligence is ISOBUS (11783) compliant, allowing you the flexibility to fit a field computer that best suits your needs.

Whether the factory-fitted and supported Raven Viper 4+ with the reliable and proven Raven AutoSteer, or a third-party system, you will have a system that works for you and your operation.

Miller Vis2[®] display

Raven Viper 4+ Field Computer

Miller SprayView12[®] display



PROVEN PROPULSION SYSTEM

The Miller Nitro 7000 series features an innovative hydrostatic Danfoss pump system with electronically controlled variable displacement bent axis H1 drive motors and seamlessly integrated Fairfield final drives.

PLANETARY FINAL DRIVES

The Torque-Hub® planetary final drives deliver high torque and long life, designed to optimise the performance of the Nitro 7000 series. The class leading 7380 and 7420's final drives are up to 40% larger than its competitors.

GREATER TORQUE AT ALL SPEEDS

The drive motors provide greater torque at all speeds. From starting out at a standstill and right up to full transport speed, the wheel motors will have the benefit of full torque at all times.

INTEGRATED SPEED LIMITING

The Integrated Speed Limiting (ISL) feature allows for hydrostatic braking without over-speeding the engine, while working in concert with active wet disc service brakes in each drive hub for outstanding stopping power and operator control.



ELECTRONIC CONTROL

The Electronic Controller is fast and responsive, and communicates with the sprayer CANbus network in a seamless integration.

TRACTION CONTROL

Handle the most challenging field conditions such as mud or soft ground without worry. Each drive motor's speed sensor directly communicates with the electronic controller to automatically sense slippage and prevent wheels from turning faster or spinning out. The traction control system is normally engaged all the time but the operator can limit it if they prefer.

2 PROGRAMMABLE SPEED RANGES

The infinitely variable transmission allows for two pre-programmable customised speed ranges at the click of a button. These two options allow for easy speed changes between spraying and headland turns.

GREATER TORQUE + TRACTION CONTROL

A drive system optimized for the NITRO 7000 series



CRUISE CONTROL

The NITRO 7000 series Cruise Control maintains a set speed by automatically adjusting the drive motor displacement with a simple joystick setting – no buttons to press.

ANTI-STALL FEATURE

The Electronic Control System is integrated into the Engine Control Module to automatically change the hydrostatic control system in the event of a great drop in engine rpm, returning to normal operation when the sprayer is through the problem spot.

TYRE/RIM OPTIONS

Nitro sprayers offer a range of tyre and rim options to fit your needs. The IF and VF versions offer a larger foot print, high load carrying capacities and a smoother ride at lower air pressures.

Tyre Size	Nitro 7380 / 7420
VF420/95R50	X
VF480/80RS0	X
IF520/85R42	X
650/65R42 {radial}	X

NITRO 7380 AND 7420

When you have a lot of hectares to cover in a short period of time the Nitro models 7380 and 7420 are the answer.

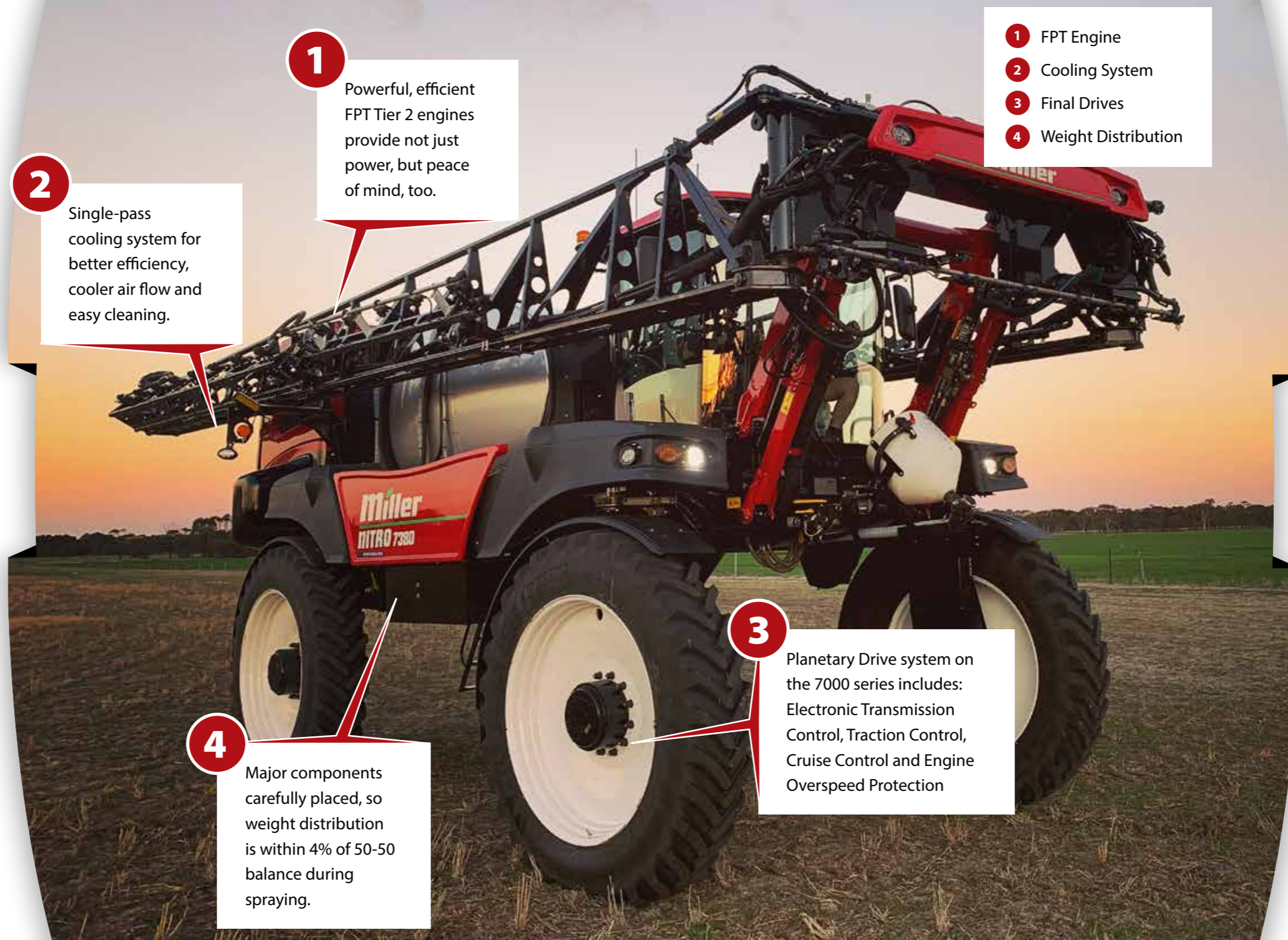
With a large tank size of 6100L, wide range of boom options and peak horsepower of either 382 or 434, hectares will fly by quickly.



POWER WHEN YOU NEED IT

The Nitro 7000 series sprayers are powered by our own proven, reliable FPT® Tier 2 turbo diesel engines.

Model	Litre	HP	Peak HP
7380	8.7	322	382
7420	8.7	373	434



1 Powerful, efficient FPT Tier 2 engines provide not just power, but peace of mind, too.

2 Single-pass cooling system for better efficiency, cooler air flow and easy cleaning.

3 Planetary Drive system on the 7000 series includes: Electronic Transmission Control, Traction Control, Cruise Control and Engine Overspeed Protection

4 Major components carefully placed, so weight distribution is within 4% of 50-50 balance during spraying.

- 1** FPT Engine
- 2** Cooling System
- 3** Final Drives
- 4** Weight Distribution

TURN ON A DIME



Steer Option	2 Wheel Steer (standard)	4 Wheel Steer (optional)	
		2WS mode	4WS mode
Turning radius	4.5m	6.4m	4.5m

4-wheel steer option — the ultimate in manoeuvrability

With the 4-wheel steer option, you'll have the tightest turning radius in the business. Minimise crop damage and headland turn with ease as front and rear wheels follow the same track.

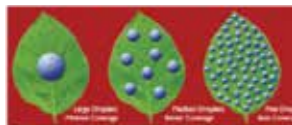




HOW IT WORKS

The patented Shear Guard™ PLUS Air Nozzles, spaced every 25cm (10") along the air boom, atomise the spray droplets using Dial-A-Drop™ technology.

This creates the optimum sized droplets, which are



not affected by speed and pressure changes, ensuring a uniform application over the

entire field. The Air Nozzle 160 kph plus air blasts the spray droplets deep into the crop canopy, ensuring complete top-to-bottom leaf surface coverage. Due to the smaller controlled droplets and directed air blast, the Air Nozzle allows for very efficient use of water, often in the range of 20-40 L/ha for herbicides and generally from 50-90 L/ha with fungicides.

FINE DROPLETS FOR COVERAGE, COARSE DROPLETS TO MANAGE DRIFT

The unique Spray-Air system puts instantaneous control of droplet size, spray pattern and the speed of the air blast at your fingertips. Depending on the situation, you can dial-in the optimum droplet size range on the go to improve coverage, reduce drift potential, or to match ASABE Droplet Classification Standards.

MAXIMISE PRODUCTIVITY

The superior plant coverage from the use of Spray-Air enables you to use only the minimum amount of herbicide required.

LOWEST WATER VOLUMES

Use the lowest possible carrier volumes for herbicide, desiccant, insecticide and, especially fungicide applications.

FUNGICIDE APPLICATIONS THAT WORK

Spray-Air technology is proven to be the best method to apply fungicides for superior disease control. Benefit from dense canopy penetration and total plant coverage.

APPLICATION VERSATILITY

Three application methods to choose from:

1. Spray-Air Air Nozzle application to maximise coverage and efficiency.
2. Conventional flat fan nozzles for higher volume applications, especially over 90 L/Ha – when coverage is less critical.
3. Use conventional nozzles plus air blast from the Air Nozzle for classic air assist, to maximise coverage in higher volume applications.



ENHANCED COVERAGE, SUPERIOR CONTROL, MAXIMUM EFFICIENCY



MILLER SPRAY-AIR TECHNOLOGY

Combining the benefits of both air-assist and air-atomisation into one powerful spray nozzle system, Spray-Air is a much more powerful and versatile application tool with many advantages:

- Droplet control in all applications
- Superior application control in all conditions
- Drift control benefits

The air blast penetrates the thickest crop canopies and drives droplets deep for unsurpassed coverage.

Factory conventional truss boom options up to 41.15 metres (135 feet) are available. 48m Pommier aluminium boom also available.



STAGED SPRAY CONTROL (SSC)

Building on the proven “twin line” spray system, SSC provides operators with a cost effective tool for droplet management.

Utilising nozzle mounted air shut-off valves to switch between two different nozzle sizes, both speed and rate ranges can be extended while staying within the nozzles’ ideal pressure and droplet range.

- Cost-effective and simple to use.
- Minimal operator intervention.
- Air solenoids for rapid shut-off and on at the nozzle. No drips.
- Recirculating boom lines for priming and flushing.
- Flexibility with section widths.

APPLICATION PRODUCTIVITY



INTELLISPRAY™ II NOZZLE CONTROL SYSTEM

The next generation of advanced application technology has arrived.

IntelliSpray II™ offers the most precise nozzle control system available on the market and comes standard with individual nozzle control (field computer dependent), ensuring unmatched droplet coverage accuracy.

With IntelliSpray II® you will save time and money by optimising coverage, minimising skips and overlaps, and reducing input costs.

The IntelliSpray II® pulse width modulation system (PWM) leads the industry with a broad range of applications, high flow and pressure ratings and a greater level of accuracy.

SAVE TIME & MONEY WITH ACCURATE APPLICATIONS

- Up to 2.5 times more accurate than comparable systems
- 20Hz pulse rate (per nozzle) for better product accuracy
- Multiple modes of operation
- Turn Compensation to avoid over and under applying whilst turning and negotiating obstacles
- Individual Nozzle Control (field computer dependent) - Standard
- Available on all booms up to 48m working width and in 500mm (standard) or optional 250mm nozzle spacing



SWATHER BRACKETS

Kits to suit MacDon D series, Honey Bee combine and Honey Bee swather fronts. Spring suspension and all electrical and hydraulic components for a “standard” front. Maximum front size 12.8 metres (42 feet). Caters for up to three spray sections for spraying under the front. Sprayline not included.

QUICK ATTACH KIT

The quick attach kit enables safe removal and storage of the boom for other operations. Other operations include swathing, spreading, Weedseeker boom and Nitrogen Toolbar.

ULTRA FLOW

A dedicated hydraulic pump mounted to the front of the engine’s crankshaft provides oil flow for swathers, Spray-Air and other attachments. The 166 L/minute, 2950psi pump enables the Nitro to operate attachments efficiently. In-cab operator presence safety switch included.

FLOAT KIT

Contour following function when operating the swather and other ground engaging implements. A pre-set downward pressure on the implement’s gauge wheels is automatically maintained through undulating terrain. This is operated in-cab and is activated or deactivated by the main lift switch on the joystick. This option acts as a “return to cut” function when swathing.



NITRO 7000 SERIES OPTIONS



TELESCOPIC LIFT ARM KIT

Telescopic lower lift arms with hydraulic control valve and adjusting cylinders in lieu of the standard arms used when swathing to control the angle of the front and also assists with multi attachment fitting.

FENCE LINE NOZZLES

Fitted to both ends of the boom for fence line spraying, or if an overlap spray is required. Two motorised ball valves with hoses, harnesses and switches in the cab can operate automatically, manually as well as separately or together.

GRANNI MIX

The granni mix is a 70L rotational-moulded granular mixing tank with calibrated measuring graduations, complete with hopper rinse and drum wash included. A 2 1/2” venturi suction system delivers mixed chemical into the product tank and also has a 1” unmetred suction line for neat chemical. Mounted on a dropdown arm attached at the front of the machine and can be lowered and raised with an electric winch.

CHEMICAL TRANSFER PUMP

Used to transfer liquid chemical product from enviros or shuttles into the granni mix tank for measured product delivery. The chemical pump is a Sotera 55 L/min electric transfer pump and comes with a 3 pin micromatic coupler with a 1” Camlock and drum probe. A micromatic flusher is connected to the fresh water tank.

TOOLBOX

Large, conveniently located toolbox has two doors and can be mounted with the doors opening outside or to the underside of the machine. The toolbox can be installed on either the left or right side of the machine.

BANJO FRESH WATER FILL PUMP

An optional hydraulically-driven self-priming poly Banjo fresh water fill pump can be mounted behind the main tank, allowing the unit to be self-contained for filling.

SPECIFICATIONS

Models		
Specs	7380	7420
SprayView Cab	<ul style="list-style-type: none"> Ultra-Quiet, variable speed pressurization, charcoal filtration, recirculation filter AM/FM/WX w/cd radio, 4 speakers and remote controls 2 way tilt/telescoping steering column, sun visor and auto temperature controls Leather air ride seat and instructional seat Air ride cab suspension Leather wrapped steering wheel 	<ul style="list-style-type: none"> Grammer Evolution leather trimmed seat, heated and vented, self-adjusting air ride suspension leather trimmed instructional seat X-Grip for phone Rear view camera Auto on/off head lights, integrated self-charging flash light 110 volt power outlet 12 volt cooler under the instructional seat
FPT Engine	8.7 Litre Cursor 9	
Horsepower / Peak	322 / 382	373 / 434
Fuel Tank	568 L	
Cooling System	Efficient single pass "stacked bottom to top" (not layered front to back) hydraulically driven variable speed fan with reversing option.	
Alternator / Batteries	330 amp /2 heavy duty – 1000 cca batteries	
Transmission	Torq-Trac Hydrostatic Drive / Single Danfoss 210cc H1 drive pump	Torq-Trac Hydrostatic Drive /Single Danfoss 250cc H1 drive pump
Final Drives	Danfoss H1 Series 110 cc Bi-Directional Drive Motors / Fairfield CO 26 Torque Hubs	
Travel Speeds	0 – 51 kph	
Steering	Hydraulic with 2 steering cylinders. No tie rods.	
2 – Wheel Steering	4.5 m Turning Radius	
Optional 4 – Wheel Steering	2 Wheel Steer Mode - 6.4 m / 4 Wheel Steer Mode - 4.5 m	
Tread Width	Based on 380 tyres	
Fixed Axle	Not Available	
Adjustable Axle (Hydraulic)	305 to 406 cm	
HydraLink™ Suspension	4 wheel independent, full suspension travel of 51 cm, hydraulic leveling/shock absorbers, auto leveling for each leg.	
Crop Clearance	188 to 200cm depending upon tyre size	
Product Tank Options / Stainless Steel	6100 L	
Rinse system	568 L poly tank with 5.08 cm quick fill. Electric standard / Auto Rinse optional	
Product Pump Standard	Hypro 9306C – 210 gpm @ 80 psi (795 L/min @ 5.5 bar) capacity at pump	
MonoBeam Boom Options	24/18m (80/60'), 27/18m (90/60'), 30/18m (100/60'), 36/18m (120/70')	
Truss Boom Options	36/22 (120/73'), 41.15/22m (135/73')	
Pommier Boom Options	27/48m	
Spray-Air™ Boom Options	36/22m (120/73')	
Boom Travel - MonoBeam	56 to 300 cm	
Boom Travel - Truss	76 to 320 cm	
IntelliSpray II	Optional – available in 10", 250mm, 20" or 500mm Nozzle Spacing	
Field Computer Options	Raven Viper 4+ and No Controller Option for use with Ag Leader, TopCon, John Deere, Trimble ISObus Platform	
Wheel Base	450 cm	
Dimensions (Shipping) - Dimensions can vary depending upon options	Height: 3.68 m / MonoBeam W: 3.69 m MonoBeam L: 10.05 m / Truss W: 4.42 m / Truss L: 10.54 m	

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Miller

When you see the Miller name, it's our promise that we're providing the very best product we can. From our factory team to field support and

down to our Miller dealers, that commitment of excellence stretches through our entire organisation and touches every product.

We are Miller – trusted since 1899.



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