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Miller
CONDOR

Simple. Rugged. Powerful.

CONDOR



You'll Have Power to Spare

Whatever the terrain, the Condor tames it with ease.



It all Starts with the Engine

To power the new Condor Series sprayers, we knew we'd need an engine specifically tailored to meet your demanding requirements for reliability, height torque rise and good fuel economy. The Cummins QSB 6.7 Liter engine does just that through the use of a full authority electronic control, High-Pressure Common-Rail fuel system.



Models	Condor A40	Condor A75
HP	240 (power bulge to 250 hp)	275

If you've ever cleaned a radiator, you will really appreciate the "single pass" cooling system that the Condor offers.

A front-mounted, hydraulically driven fan brings fresh cool air from in front of the sprayer. The rear side of the cooling package is easily accessible for fast and easy cleaning.

The use of a "single pass" design rather than a "layered" system allows for more efficient and cooler air flow through all four cores. This means that the ambient temperature of the air is the same passing through each core, resulting in substantially better cooling.

Sections from top to bottom:

- Air to Air after cooler
- Radiator
- Oil Cooler
- Air conditioner condenser



Simple, Rugged Mechanical Drive Train Design

Simplicity is the defining characteristic of the Condor's mechanical drive. Power is transferred directly to the ground through the use of a mechanical drive system—the simple physical principle translates into the things that matter most to you:

- Better performance
- Higher productivity
- Improved fuel efficiency
- Less downtime
- Lower operating costs



Heavy duty cast iron drop boxes



Welded box style leg construction



Transmission

The Condor Series features a rugged, heavy-duty automatic Allison transmission to smoothly convert the engine torque to the drive train. Ground speed is maintained with the locking torque converter even in the toughest conditions. Time is money, and we know that every minute counts during the application season. That's why the Condor Series moves you down the road at speeds that will let you spend more time spraying and less time getting there.

Differential and Braking Systems

Tucked away inside the rear axle, the heavy-duty differential distributes the power to each wheel. With our foot-operated "On the Go" hydraulic differential locks, power is transferred to both rear wheels during adverse conditions.

For optimal safety, on the rear axle the Condor Series sprayers are equipped with dual external calipers on each rotor and are power/hydraulic and self-adjusting. Located outside the differential, they do not transfer heat to the differential oil and are very easy to maintain. Front disc brakes are standard on the A75 and optional on the A40.

Rear Axle Drive Train Choices & Clearance

The Condor A40 model is available with either a 42" or 48" crop clearance, depending on whether you've chosen a rear axle equipped with angle drive shafts or with heavy duty cast iron drop boxes.

The Condor A75 features heavy cast iron drop boxes with 48" of crop clearance.

Models	Condor A40	Condor A75
Transmission	5-speed automatic	6-speed automatic
Speed Range	Up to 40 mph	Up to 45.8 mph

Models	Condor A40	Condor A75
Angle Drive Shaft	with 42" Clearance	N/A
Drop Boxes	with 48" Clearance	with 48" Clearance

If It's Toughness You're After . . .

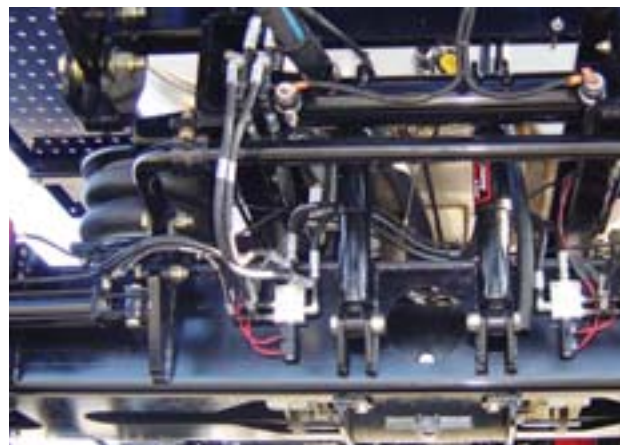
The Condor is rugged and built to last. Year after year.



Our well-designed suspension allows 9 full inches of travel on the rear axle and 11 inches on the front, making the Condor a formidable machine for rugged application work—day after day, season after season.

Frame/Chassis

The Condor's C-channel frame is constructed from high-strength 3" x 9" steel beams, specifically designed to provide exceptional strength. From front to rear, this frame is built tough enough to withstand the most punishing conditions and uneven terrain.



Fully Suspended Heavy Duty Axles

The Condor's axles are ready for any environment—however harsh. Made of structural steel (front) and formed steel receiver tubes (rear), the Condor Series can take what your field dishes out.

The active suspension features four air-bags with gas shock absorbers on both axles, along with trailing arms and anti-sway bars. The 3 leveling valves of the active suspension insure a constant height—and quality of the ride—regardless of the load.



Compaction & Traction

Full size front tires provide a better ride, better turning traction and less compaction.

The Condor was designed for exceptional weight distribution which provides excellent rear traction and front steering.

Optional Infinite Track Width Adjustment

Your varying application needs demand flexibility, and that's why the Condor Series offers easily-adjustable tread width. From inside the cab, the operator can set the tread width from 120" to 150" to match your row crops—and, to provide even greater flexibility, the front and rear can be set independently to limit compaction.



Exceptional Turning Radius & Maneuverability

You might expect a machine this tough to be difficult to maneuver. Think again. The Condor's compact design allows for one of the tightest turning radius around—just 15 feet.

Want Comfort and Convenience? Climb Aboard.

The Condor's ease of use will make your long days seem shorter.



The brake pedal, the foot operated accelerator and the On-the-go hydraulically activated differential lock are conveniently located on the right side of the tilt/telescoping steering column.

Climbing aboard is easy: A wide ladder next to the filling station allows easy access to the large deck and cab entrance. Once comfortably seated in the cab, you'll see that all controls are within easy reach and clearly marked. The joystick puts you in easy control of your work:

- Hand throttle
- Boom height
- Boom wing tilt
- Master boom switch
- Individual boom section switches (5)



Standard Cab Features

- An arm rest containing all spraying and boom controls, along with engine and transmission monitors
- The pressurized cab is heated and air-conditioned, and features charcoal filtration
- Instructional seat, along with an adjustable air-suspended deluxe operator seat
- AM/FM/WX with CD player, and an auxiliary power outlet for additional electronics
- Tilt and telescoping steering column.
- Windshield wiper with washer



Work Lights

Superior Visibility

The Deluxe ERV (Enhanced RearView) Cab allows the operator to see both boom wings out to the tips, while the "Wasp Waist" hood gives the operator an unobstructed view of the crop and front tires.



Work Lights

12 halogen work lights provide a bright, clear view during your night work. An optional lighting package (2 HID & 4 halogen lights) can provide even greater night vision.

The hydraulically controlled ladder, with large cast steps, folds and unfolds automatically with the parking brake switch.

You're in Charge: Precise and Flexible Control

Chemical application exactly the way you want it.



Additional Performance Options:

- Electric rinse system
- Boom wet line drain kit
- Large Tool box
- Amber rotating beacon
- Pressure washer
- Tire fenders
- HID Front lights (2)
- HID (2) – Halogen (4) field lights

The Condor Series is equipped with ACE® flanged product pumps. The high-performance centrifugal pumps are hydraulically driven to deliver optimum flow, even at engine idle. The liquid system is regulated by a Raven® rate control system and regulating valve.

Models	Condor A40	Condor A75
Tank capacity	850 or 1000 Gal.	1000 or 1200* Gal.
Tank type	Poly. or Stainless Steel	Poly. or Stainless Steel (*Stainless Steel only)



Controls and Quick-fills are reachable from the ground close to the ladder. The optional stainless steel chemical fill hopper is equipped with a jug & hopper rinse system.



The Condor's new injection foam marker system uses water from the 100-gallon rinse tank and features convenient in-cab controls.

Raven® – Have it your way.



Envizio Plus® Guidance and Mapping System.

The Envizio Plus® features a built in light bar and mapping system. The exclusive “last pass” guidance pattern enables the operator to drive to the nearest “last pass” without having to set up any points. It can be easily teamed up with nearly any Raven controller.



Raven SCS 460

The Raven 460 features an economical and simple design. Two separate application rates can be pre-programmed into the controllers and selected 'on the go' with the simple flip of a switch.

Raven SCS 4600

This optional console is affordable and easy-to-use with its simple setup, large keypad and screen indicating ground speed, rate, volume and more. The console can record data onto a compact flash card for easy transfer to a computer.



Raven Viper Pro

This multifunctional system is designed to give you the information and help you need, when and where you want it. The operator uses the handy touch-screen display for settings and maps. The on-screen guidance option allows you to easily follow straight and contoured passes. And, you can record information in the field on the Viper Pro and download it whenever you want for easy office use and report printing.

Raven Controllers & Precision Equipment

The Condor Series can be factory equipped with a wide variety of Raven controllers and precision farming equipment to meet your application needs.

- GPS Antennas
- Light bar kits
- AutoSteer® kit
- AutoBoom® boom leveling system
- AccuBoom® section control kit

It All Comes Down to Spraying

Customize your Condor to your farm, your way.



As a grower, you know the importance of having exactly the right equipment—you don't want to make do with something that's almost what you need. That's why we offer such a broad range of booms. In a nutshell, you can customize your Condor to your operation, exactly as you see fit. **That's flexibility.**

Monobeam Style Boom

- Unique, ruggedly designed mono-rail boom
- Nitrogen shock absorbers on parallel lift arms, optional on boom wing tilt cylinders
- Center section has coil springs and shock absorbers along with rubber shock absorbing anti-yaw
- Unique trapeze-style suspension

Truss Style Boom

- The geometric structural rigidity of the triangle provides outstanding strength for large boom sizes in the toughest conditions
- Double Pendulum self-stabilizing boom suspension with coil springs and shock absorbers
- Hydra-Glide suspension featuring nitrogen shock absorbers and a patented double acting spring-loaded primary fold cylinder

- Nozzle bodies are safely tucked behind the boom for extra protection

Boom Style Models	Truss Style Boom	Spray Air™ System boom **	Monobeam Style boom
Condor A40	N/A	N/A	60'- 75'/60' – 80'/60' – 90'/60' & 27m/18 m
Condor A75	120'/65' or 36m /22m - 90'/60'* - 100'/60'* – 103'/60'*	90'/60' – 100'/60' – 103'/60'	75'/60' – 80'/60' – 90'/60' – 100'/60' & 27m/18 m – 30m/18m

* "Air-Ready" booms ** The Spray-Air boom system is installed on Truss Style boom only

Choose the technology option that's best for you.



1. Shear Guard™ PLUS

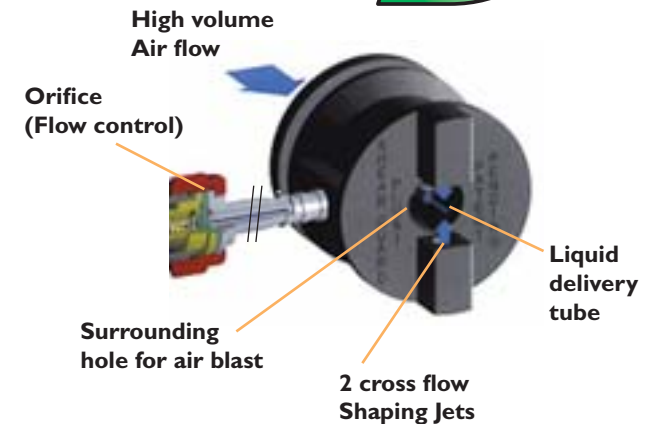
Air is the primary carrier of the chemical to the crop. The product in liquid form is pumped through the Shear Guard Plus Nozzle where it is atomized by the air blast and then delivered to the crop.

2. Classic Air Assist

The product is delivered through the conventional wet boom, and then is assisted to the crop by the powerful air curtain produced by the Shear Guard nozzle.

3. Conventional Wet Boom

Traditional boom and nozzles deliver chemical product directly to the crop.



Spray-Air™ Boom System: A 3-in-1 Boom



Droplet size set at 100/120 microns.

Shear Guard™ PLUS nozzle

Essentially a hybrid of both an Air Assist and an Air Atomizing Nozzle, the Shear Guard™ Plus has a history that predates both technologies.

This new technological advancement is viewed as a tremendous engineering accomplishment and has been named as Best In Engineering For Agriculture, Food, and Biological Systems "Outstanding Innovation" by ASAE - The Society For Engineering In Agriculture, Food, and Biological Systems.



Adding up the benefits of Spray-Air™ Technologies

- Low water volume consumption: from 2 to 12 gallons per acre
- Many farmers have reduced chemical use by 25% to 50% (farmer surveys available)
- Can be used with all pesticides and liquid fertilizers
- Superior plant canopy penetration and coverage
- Chemical drift minimized with innovative Dial-A-Drop™ Technology
- Droplet size management and consistency help you manage a wide range of application types and conditions
- Environmental Stewardship
- Return on Investment (operator surveys show \$6 to \$10 Per Acre application cost savings)



Your Productivity is Our Business

The business of farming is all about change. Better. Smarter. Faster. More productive.

At Miller, we've served growers for more than a century, and we've not only kept up with the changes you've faced over the years, we've worked hard to anticipate them. We started small in 1899, and we were an early dealer of McCormick-Deering equipment (we were the first to sell a horseless tractor in Wisconsin, too).

Generations later, when we turned to manufacturing in the 1980's, we knew that keeping your trust—and staying close to your needs—would help us nurture and grow a real partnership with you. In a nutshell, this is what drives us: We are driven by *your* productivity, *your* profitability.

Today, Miller offers a comprehensive line of sprayers that have earned a reputation for quality, innovation and long-lasting durability. Miller customers have high expectations of our equipment, and our job is to exceed them, year in and year out. In fact, it's safe to say that our customers are knowledgeable and tough and very demanding. We wouldn't want it any other way.

Our products, like the Miller Condor featured on these pages, deliver on our promise of higher productivity. And that's a promise we don't take lightly.



Miller
Since 1899

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Condor Specifications	CONDOR A40	CONDOR A75
Engine	Cummins QSB 6.7 Liter	Cummins QSB 6.7 Liter
Horsepower	240 - Power Bulge 250	275
Cab	90 Series - ERV	
Frame	3/8 in. 110,000 PSI steel C-channel	
Suspension	Automatically adjusted air bag with sway control	
Transmission	Allison 5-Speed with locking torque converter	Allison 6-Speed with locking torque converter
Differential	JCB - on the go diff. lock	
Final Drives	Angled drive w/ planetary hubs or drop box	Drop box
Tires	380/90R46 Field or highway lug	
Ground Speed in mph (km/h) – approx.	1st: 8.6 (13.9) – 2nd: 15.8 (25.5) – 3rd: 20.9 (33.7) – 4th: 30 (48) – 5th: 40 (64.5)	1st: 8.8 (14.2) – 2nd: 16.3 (26.3) – 3rd: 21.8 (35.2) – 4th: 30.5 (49.2) – 5th: 40 (64.5) – 6th: 45.8 (73.9)
Hydraulic System	Pressure compensated	
Service Brakes	Rear wheel hydraulic disc brakes - opt. HD front wheel disc brakes	4 wheel hydraulic brakes
Parking Brake	Spring applied hydraulic release	
Product Tank	850 or 1000 Gallon (3130 or 3785 L) poly or stainless steel	1000 Gallon (3785 L) poly or SS 1200 Gallon (4540 L) SS
Rinse Tank	100 gallon poly (378 L)	
Product Pump	Ace 150 F Series	Ace 200 F Series
Monobeam Style Boom Options	60' – 75/60' – 80/60' – 90/60'	
	n/a	100/60' – 27m/18m – 30m/18m
Truss Style Boom Options *Spray-Air™ ready boom	n/a	90'/60"* – 100'/60"* – 103'/60"* 120/65' – 36m/22m
Spray-Air™ boom system options	n/a	90'/60' – 100'/60' – 103'/60' & 120/65'
Wheel Base	14' (4270 mm)	
Length	23' (7015 mm)	
Crop Clearance	42" (106 cm) w/angle drives or 48" (122 cm) w/drop boxes	48" (122 cm) w/drop boxes
Axle Width	120" to 150" (305 to 381 cm)	
Fuel Capacity	120 Gallon (454 L)	
Turning Radius	15' (4575 mm)	

Product descriptions or specifications are subject to change without notice. Some feature listed or shown may be optional. Patents pending. Copyright 2007 Miller-St. Nazianz Inc.