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**Miller**  
**CONDOR**

Simple. Rugged. Powerful.

CONDOR



# You'll Have Power to Spare

Whatever the terrain, the Mechanical Drive Condor tames it with ease.



## It all Starts with the Engine

To power the new Condor G Series sprayers, we knew we'd need an engine specifically tailored to meet your demanding requirements for reliability, high 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 G40	Condor G75
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 large mechanical drive fan brings fresh cool air from in front of the sprayer. The front 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 five 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
- Transmission cooler



## Condor SmartDrive® Front Wheel Assist Option

When more tractive effort is required, such as in mud or soft fields, simply engage the optional On-Demand Condor SmartDrive® hydrostatic front wheel assist drive system. Using proven Poclain front wheel motors and a hydrostatic drive pump system, Condor SmartDrive® can be engaged or disengaged on the fly. You can run Condor SmartDrive® full time, too. Available on G75 Series.





Heavy duty cast iron all-gear drop boxes



Welded box style leg construction with angle drive shafts



### Transmission

The Condor G 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. The standard equipment cruise control returns you to your desired field speed at the push of a button.

### Differential and Braking Systems

Tucked away inside the rear axle, the heavy-duty differential distributes the power to each driving wheel. With our foot-operated hydraulic differential lock, 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 G75 and optional on the G40.

### Rear Axle Drive Train Choices & Clearance

The Condor G40 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 G75 features heavy cast iron drop boxes with 48" of crop clearance.

Models	Condor G40	Condor G75
Transmission	5-speed automatic	6-speed automatic
Speed Range	Up to 40 mph	Up to 45.8 mph

Do not exceed tire manufacturers' maximum load rating and permitted speed. Speeds will vary based on tire size and field conditions.

Models	Condor G40	Condor G75
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, easy to maintain, 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. With the optional Hydraulic Adjust, 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.

Axles can be adjusted manually, with adjustable tread width bars to keep the axles securely in place.



### **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 hydraulically activated differential lock are conveniently located on the right side of the tilt/telescoping steering column.*

Enjoy a command view inside and out. The full view panoramic windows lets you see everything around you. Inside the cab, you'll find all controls are also easy to see, are well laid out, and 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 and cruise control switches
- The pressurized cab is heated and air-conditioned, and features charcoal filtration
- Instructional seat, along with an adjustable air-suspended hi-back 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





*Enhanced Rear View cab allows full view of the boom from the operator's seat.*



*Easily access and monitor the New Leader G4 dry box, including from in the cab through the standard dry box window.*

### **Superior Visibility**

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, you'll see that the Deluxe ERV (Enhanced Rear View) Cab with the wrap-around corner windows allows the operator to see both boom wings out to the tips.

The "Wasp Waist" hood gives the operator an unobstructed view of the crop and front tires, allowing you to enter rows with precision and confidence.



### **Work Lights**

14 halogen work lights provide a bright, clear view during your night work.

There are two optional lighting packages to provide even greater night vision. The first includes two HID lights that replace two original stadium lights in the roof. The second package includes two HID lights, one on each mirror bracket, plus 5 additional halogen lights on the mirrors, the rear of the cab, and a single light illuminating the rear boom, as well as 2 area lamps.

# Liquid or dry, maximize your productivity

An exceptionally efficient dry spreader alternative

## NEW LEADER



Shown with optional New Leader® G4 255 cuft Dry Spinner Box, and optional 520 tires front & 710 tires with extended fenders rear.

### Additional Performance Options:

- New Leader® G4 Dry Spinner Box
- HID Front lights (2)
- HID (2) – Halogen (5) field lights
- Chem Fill Hopper
- Electric rinse system
- Boom wet line drain kit
- Boom blow out kit
- Large Tool box
- Amber rotating beacon
- Pressure washer
- Tire fenders
- Electric Mirrors



### Dry Spinner Box Option

The Condor G40 and G75 is available with a factory installed **New Leader® G4** dry spinner box. Built of 409 stainless steel, the box is painted Miller red, is MultiApplier ready, and has a struck capacity of 255 cu ft, or 8.29 tons @ 65 lbs/cu ft. Available on a drop-box equipped G40, and on the G75 with Condor SmartDrive® as an option. When equipped with the dry box, the Condor is a dedicated dry box machine. This dry box is exclusive to Miller.

### Liquid Spray Tank Options\*

Models	Condor G40	Condor G75
Tank capacity	1000 or 1200 Gallon	1000 or 1200 Gal.
Tank type	Poly or SS (1200 poly only)	Poly or Stainless Steel

\*1200 gallon tank on G40 requires drop box final drive option.



Control station, with remote pump switch, and quick-fills are reachable from the ground close to the ladder. The optional stainless steel chemical fill hopper (above right) is equipped with a jug & hopper rinse system.



The G Series Condor features a standard equipment toolbox built into the left side cowling. An optional second toolbox is available for the right side as well (shown).

The Condor is wired CANbus, ready for the latest Raven® Precision Equipment.



### Envizio Pro® Control Console.

The Envizio Pro® is the most complete guidance system in the industry.

- Large 6.5" color touch screen
- Built in sub-meter DGPS receiver
- Envizio "LastPass" guidance program
- Full mapping and datalogging
- Two-product control capable
- AccuBoom automatic section control
- AutoBoom boom height control
- SmarTrax assisted steering

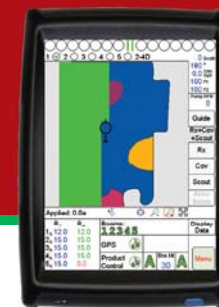


### Raven SCS 5000

This optional CANbus 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.

### ACE Product Pumps

The Condor G40 comes standard with the Ace 150F-206 pump, rated at 100 gpm at the pump, while the G75 comes standard with the Ace 200F-HYD-304 pump, rated at 160 gpm at the pump.



### 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.*

## Truss Style Boom

The Miller Truss Boom is available with or without the Spray-Air™ air boom system (shown), and is available up to a sweeping 120 feet wide on the Condor G75.

- 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

## 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 shock absorbers along with rubber shock absorbing anti-yaw

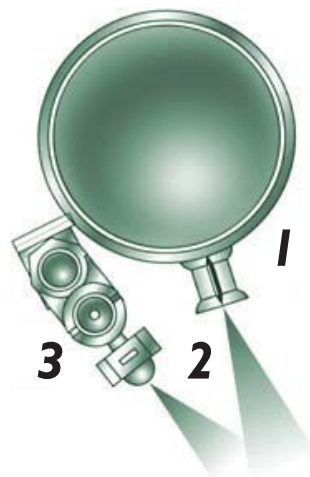


- Unique trapeze suspension
- Nozzle bodies are safely tucked behind the boom for extra protection

Boom Style Models	Truss Style Boom	Truss "Spray-Air Ready" Boom **	MonoBeam Style Boom
Condor G40	90'/60', 100'/60' 27/18 m*, 30/18 m*	90'/60' & 103'/60'	90'/60', 100'/60' & 27/18 m*, 30/18 m*
Condor G75	90'/60', 100'/60' 120'/65', & 27/18 m*, 30/18 m*, 36/22 m*	90'/60', 103'/60', & 120'/65'	90'/60', 100'/60' & 27/18 m*, 30/18 m*

\* m = Meters \*\* The Spray-Air boom system is installed on Truss "Spray-Air Ready" booms 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.

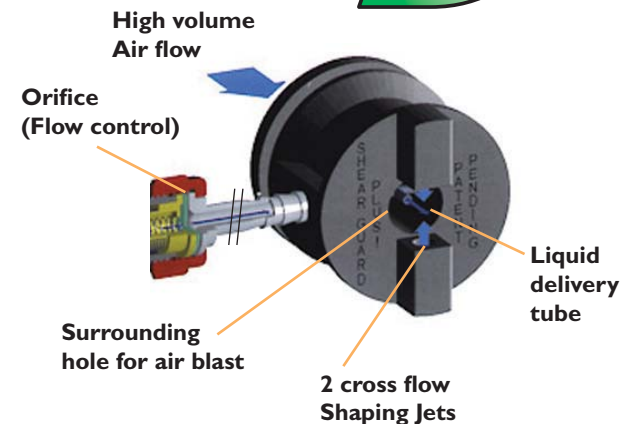
### 2. Classic Air Assist

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.

Learn more at  
[www.sprayair.com](http://www.sprayair.com)



## 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 volumes applied: from 2 to 10 gallons per acre
- Many farmers have reduced chemical use by 25% to 50% by applying the lowest rates possible (surveys available)
- Can be used with all pesticides and liquid fertilizers
- Superior plant canopy penetration and coverage
- Chemical drift is controlled 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 G40	CONDOR G75
<b>Engine</b>	Cummins QSB 6.7 Liter	Cummins QSB 6.7 Liter
<b>Horsepower</b>	240 - Power Bulge 250	275
<b>Cab</b>	90 Series - w/ Enhanced Rear View and Deluxe Hi-Back Seat	
<b>Frame</b>	3/8 in. 110,000 PSI steel C-channel	
<b>Suspension</b>	Automatically adjusted air bag with sway control	
<b>Transmission</b>	Allison 5-Speed with locking torque converter & cruise control	Allison 6-Speed with locking torque converter & cruise control
<b>Differential</b>	Heavy Duty Differential - foot activated diff. lock	
<b>Final Drives</b>	Angled Drive or Drop Box Option	Drop Box
<b>Tire Options Angle Drive</b>	380/90R46 Field or Highway Lug 520/85D38 Flotation	n/a
<b>Tire Options Drop Box</b>	380/90R46 Field or Highway Lug, 520/85D38 Flotation, 710/70R38 Flotation 380/90R46 Duals, 320/90R50 Duals	
<b>Ground Speed in mph (km/h) – approx.</b>	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)
<b>Hydraulic System</b>	Pressure compensated	
<b>Condor SmartDrive®</b>	n/a	SmartDrive® Front Wheel Assist Option
<b>Service Brakes</b>	Rear wheel hydraulic disc brakes - opt. HD front wheel disc brakes	4 wheel hydraulic brakes
<b>Parking Brake</b>	Spring applied hydraulic release	
<b>Product Tank</b>	1000 Gallon (3785 L) poly or SS 1200 Gallon (4540) poly, only w/drop box	1000 Gallon (3785 L) poly or SS 1200 Gallon (4540 L) poly or SS
<b>Rinse Tank</b>	100 gallon poly (378 L)	
<b>Dry Spinner Box Option</b>	New Leader G4 255 cu ft (requires drop boxes)	New Leader G4 255 cu ft
<b>MonoBeam Boom Options</b>	90'/60', 100'/60', 27/18m, 30/18m	
<b>Truss Style Boom Options</b>	90'/60', 100'/60' 27/18m, 30/18m	90'/60', 100'/60', 120'/65' 27/18m, 30/18m, 36/22m
<b>Truss "Spray-Air® Ready" Boom Options</b>	90'/60', 103'/60'	90'/60', 103'/60', 120'/65'
<b>Wheel Base</b>	14' (4270 mm)	
<b>Length</b>	27' 2" (8280 mm) with booms unfolded	
<b>Crop Clearance</b>	42" (106 cm) w/angle drives or 48" (122 cm) w/drop boxes	48" (122 cm) w/drop boxes
<b>Axle Width</b>	Adjustable 120" to 150" (305 to 381 cm) Fixed 120" (305cm) option available	
<b>Fuel Capacity</b>	120 Gallon (454 L)	
<b>Turning Radius</b>	15' (4575 mm)	

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