



**PRECISION DISK™ 500 AND  
500T SINGLE DISK AIR DRILLS**



AGRONOMIC  DESIGN™

**CASE IH**  
AGRICULTURE





# SEEDING TECHNOLOGY THAT MAKES EVERY SEED COUNT. INDUSTRY-LEADING PRECISION DISK 500 & 500T DRILLS.



## YOU ASKED FOR IT. WE BUILT IT.

Case IH is proud to introduce the Precision Disk 500 and 500T single disk air drills, designed with input from the very start by producers, for producers.

Farmers like you told us you wanted an agronomic design to give you optimum yield potential from every seed. We listened. The Case IH Precision Disk drills feature row units with a parallel-link design that ensure accurate seed placement across a range of soil conditions, improved depth control and seed-to-soil contact for even emergence.

You asked for increased productivity to allow you to cover more acres in a day. We delivered. Precision Disk drills have quick and easy adjustments and can operate at higher speeds and require less daily maintenance.

You also wanted a drill with versatility. We responded. Growers will appreciate superior seeding in a wide spectrum of tillage practices – from conventional to no-till. Whether you are drilling soybeans, wheat, hybrid rice or other small grains, hydraulically-driven meter rolls with overlap control options give you fingertip control of your seeding rate.

Welcome to the all-new Case IH Precision Disk air drill lineup.







PRECISION DISK 500T SPECIFICATIONS	25 FT. (7.62 M)	30 FT. (9.14 M)	40 FT. (12.19 M)
<b>CONFIGURATIONS</b>			
Tank Style	Mounted Tank		
Tank Capacity (Liter)	Single 70 bu. (2467 L)		Single 100 bu. (3524 L)
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional		

PRECISION DISK 500 SPECIFICATIONS	30 FT. (9.14 M)	40 FT. (12.19 M)	50 FT. (15.24 M)	60 FT. (18.29 M)
<b>CONFIGURATIONS</b>				
Tank Style	Tow-behind or tow-between air cart			
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional			

CASE IH TANK PAIRINGS	2280	2330	3380	3430	3580*
Capacity, Bu. (Liter)	280 (9866 L)	330 (11628 L)	380 (13390 L)	430 (15153 L)	580 (20438 L)
Compartments	Two		Three		

\*3580 is only available as tow-behind





Forward-facing seed tubes direct the seed toward the scraper. This slows and allows the seed to fall vertically in the seed trench, reducing seed tumble and hop so that it stays in the trench.



A single, spring-loaded T-handle adjusts depth and can be adjusted fore and aft in 14 increments.



# MAXIMIZE YIELD POTENTIAL. CONSISTENT SEED PLACEMENT. BETTER SEED-TO-SOIL CONTACT.



You asked for more – more accuracy, more productivity and more efficiency for improved seeding results. The features you asked for are here with the new Precision Disk 500 and 500T drills. Improve your results with accurate seed populations, improved residue handling and seed depth control, uniform seed to soil contact and even emergence.

## **MORE ACCURATE SEED PLACEMENT**

The new single-disk row unit sets a higher standard for seeding. This customer-driven design cuts residue, opens a uniform seed trench, accurately delivers the seed and closes and seals the trench for improved germination and plant stand establishment.

Case IH Precision Disk drills feature a parallel-link system, consisting of an upper and lower arm to ensure even depth placement across varying soil conditions. Patent-pending variable down-pressure springs apply the right amount of pressure on individual row units to ensure better penetration across varying residue and soil conditions.

## **HANDLES TODAY'S TOUGH RESIDUE**

The row unit is designed to cut and handle the heaviest of residue. The 18-inch disks are set at a 7-degree angle to easily slice open a high-quality seed trench. A spring-loaded scraper and forward-facing seed tubes provide proper seed placement in the bottom of the trench. Additionally, this design lowers the overall draft of the entire disk drill and reduces down-pressure requirements.

## **SIMPLE DEPTH CONTROL**

A single, easy-to-reach “T”-handle selects and locks in seeding depth with one adjustment—no tools necessary. Depth settings range from zero to 3.5-inches in 14 increments. Every other increment position is labeled with a letter A–F for easy visual setting of all rows.

Hydraulic down pressure across the full width of the disk drill can be adjusted manually or via in-cab display option. Three convenient presets help maintain ideal row unit down pressure for changing field conditions.



When it's time to seed, your equipment has to be ready. The 500 and 500T designs let you move quickly and easily from field to field, giving you the flexibility you need to speed up seeding while maintaining seed placement accuracy, whatever the weather; and requires less daily maintenance so your time is spent in the field, not in the farm shop.

#### **YOUR CROPS, YOUR TILLAGE SYSTEMS**

Designed for multiple crops and conditions, Case IH Precision Disk drills have rugged, reliable frames that will hold up to changing field conditions – going from no-till to conventional till with few time-robbing adjustments. The row unit is proven to penetrate and place seed in most any soil or residue condition with low-disturbance seeding. Whether you seed soybeans, wheat, hybrid rice, milo, or other small grains these disk drills help you get more done in a day.

#### **SEED MORE ACRES IN A DAY**

Experience higher productivity with higher operating speeds—from 5 to 8 mph—coupled with large tank capacities on the 500T model. The Precision Disk 500 drill uses an external seed supply air cart, making it popular for operations looking for higher capacity as well as the ability to apply a dry fertilizer product down with the seed. Suggested Case IH Air Carts are the Precision Air 2280, 2330, 3380, 3430 or 3580.

#### **TRANSPORT WITH EASE**

Precision Disk drills feature some of the industry's narrowest transport widths plus excellent stability to allow you to maneuver around buildings and shops, and travel across narrow roads, bridges and field approaches with confidence.





# INCREASE PRODUCTIVITY. UNMATCHED VERSATILITY. FASTER GROUND SPEEDS. LOWER MAINTENANCE.

## ROBUST DESIGN MEANS LESS DOWNTIME

Case IH engineers designed the all-new frame with more welded-frame connections for increased durability. Annual maintenance keeps you in the field longer.

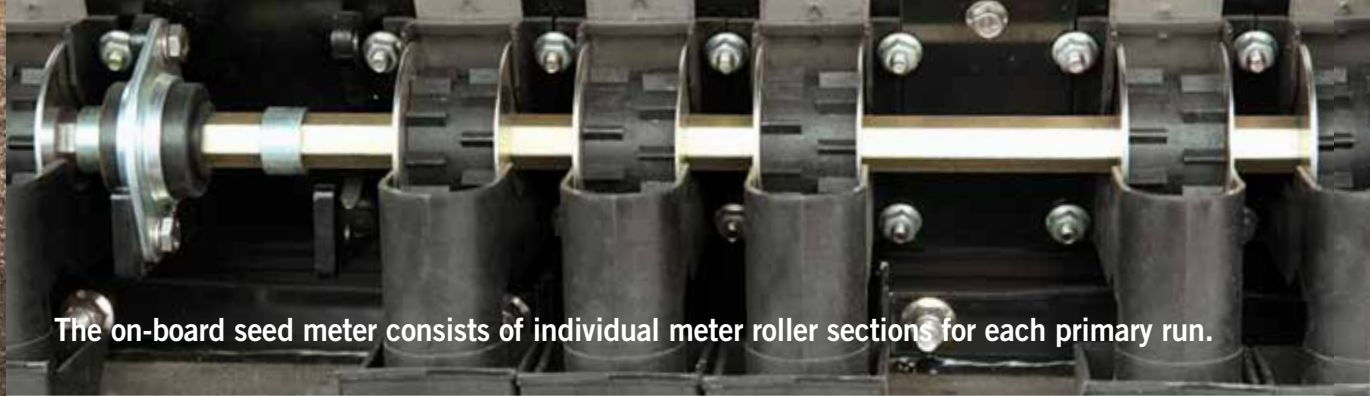
The center structural steel tubing of the Precision Disk 500 and 500T drill is configured in a V-shape to distribute the weight of the main frame. This orientation provides exceptional weight distribution, especially in softer soils, and adds additional support and stability during transport.

When in field position, the Precision Disk drills provide the best wing flex in the industry (15 degrees up and 10 degrees down) for consistent and even seeding on terraces and other rough terrain.

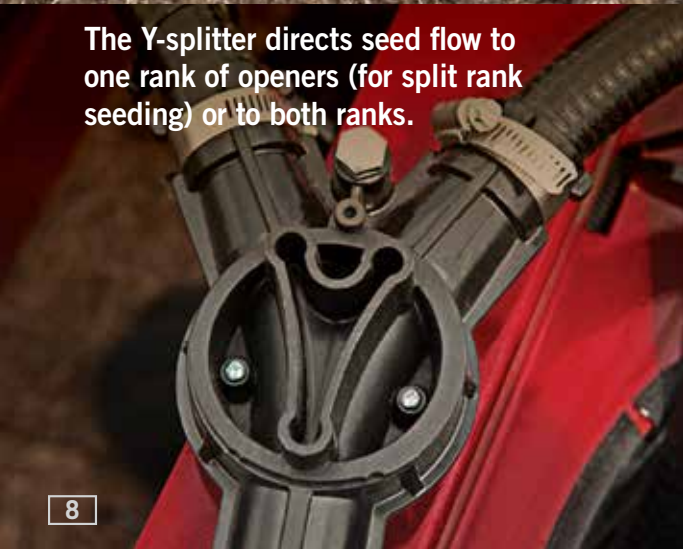
The only greaseable point on the row unit is on the gauge wheel adjustment spindle—requiring greasing every 50 hours or once per season, whichever comes first.



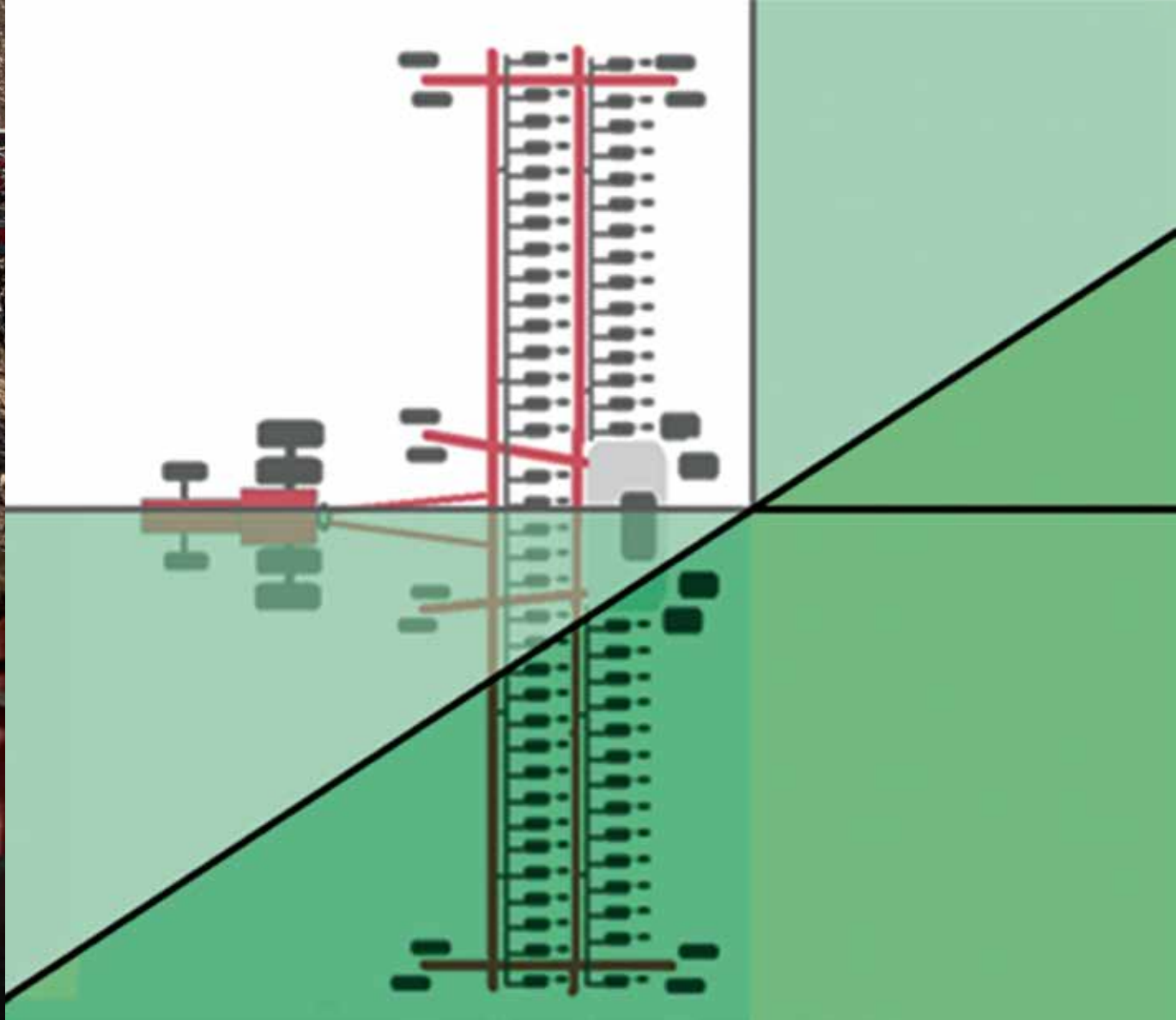




The on-board seed meter consists of individual meter roller sections for each primary run.

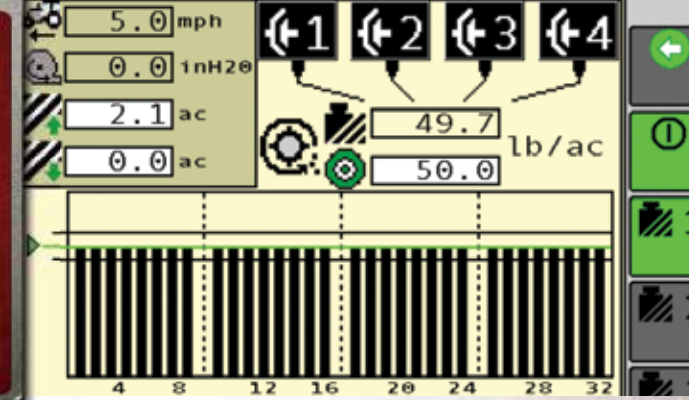


The Y-splitter directs seed flow to one rank of openers (for split rank seeding) or to both ranks.





# MORE EFFICIENT PRODUCT HANDLING. INCREASED MANEUVERABILITY. ACCURATE SEED METERING. REDUCED SEEDING COST.



These drills are designed to reduce seeding cost, expand capacity and increase your productivity. Seed metering and section control options (500T) allow you to make every seed count by eliminating overseeding.

## THE 500T DRILL WITH MOUNTED TANK FOR MANEUVERABILITY

The on-board tank of the 500T drill brings a whole new level of productivity to the Case IH disk drill lineup. The integrated tank provides 70 or 100 bushels of capacity, depending on configuration. The close-coupled design allows you to work in small, irregularly-shaped fields, transport with ease and, when ready to store, easily back into the machine shed.

## SEEDING SUCCESS ON BOARD

Reduce input costs and increase yield by eliminating overlap on turn rows and in odd-shaped fields with a touch of the button, or automatically with GPS, on the Precision Disk 500T drill. Two-section manual shutoff is standard, and a four-section GPS control is optional.

The seed meter on the model 500T provides accurate seed metering across a broad range of seed types. The system features easy cleanout and serviceability and the ability to change meters for added versatility. Seed rate is easily controlled through the AFS Pro 700 control center. The Precision Disk 500 with a Case IH Precision Air cart offers optional variable-rate hydraulic seed metering and optional half-width section control.

## MONITOR YOUR PROGRESS

All Precision Disk 500T drill features can be managed with the AFS Pro 700 control center. Its convenient, one-page seeding display keeps all the necessary information close at hand. New flow sensors provide accurate population estimates for larger seeded crops. A bar graph shows target rates and seeding flow. GPS or radar speed inputs provide accurate seeding-rate information.

Optical sensors that monitor product flow through the delivery system are an option with the Precision Disk 500. The sensors alert you of product flow concerns so they can be resolved quickly to reduce skips.

## FACTORY-INTEGRATED TECHNOLOGY

Case IH Precision Disk drills deliver an integrated, less complex precision farming solution with Advanced Farming Systems (AFS). Built on open architecture, AFS can interface with your existing equipment no matter what color it is. And our specialists in the field, AFS Support Center engineers and AFS Academy trainers are here to help you maximize your operations' potential and keep you rolling 24/7/365. Go to [caseih.com/AFS](http://caseih.com/AFS) to learn more.







PRECISION DISK 500T SPECIFICATIONS	25 FT. (7.62 M)	30 FT. (9.14 M)	40 FT. (12.19 M)
<b>CONFIGURATIONS</b>			
Tank Style	Mounted tank		
Tank Capacity (Liter)	Single 70 bu. (2467 L)		Single 100 bu. (3524 L)
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional		
<b>FRAME</b>			
Weight (Empty) Est.	7.5 in.–18,800 lbs. (8500 kg)/10 in.–17,000 lbs. (7700 kg)	7.5 in.–21,000 lbs. (9600 kg) 10 in.–19,200 lbs. (8700 kg)	7.5 in.–26,500 lbs. (12000 kg) 10 in.–23,800 lbs. (10800 kg)
Fold Type	Single fold		
Wing Flex	3 section flex (10° Down & 15° Up)		
Hitch	Floating		
Transport Height	12 ft. (3.65 m)	13 ft. (3.96 m)	13.8 ft. (4.2 m)
Transport Width	12 ft. (3.65 m)		18.5 ft. (5.63 m)
Tire Package–Standard	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5L×15 single wheel (front on castor) Rear of mainframe – 12.5L×15 dual wheels on rigid axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring walking beam axles Front and rear of each wing – 12.5L×15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18L×16.1 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring walking beam axles Front and rear of each wing – 12.5L×15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18L×16.1 dual wheels on walking beam axles
Tire Package–High Flotation (Optional)	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5L×15 dual on castoring walking beam axles Front and rear of each wing – 12.5L×15 single wheel (front on castor) Rear of mainframe – 12.5L×15 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring walking beam axles Front and rear of each wing – 12.5L×15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18L×16.1 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring walking beam axles Front and rear of each wing – 12.5L×15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18L×16.1 dual wheels on walking beam axles
<b>METERING/MONITORING</b>			
Meter Drive System	Variable rate hydraulic drive		
Meter Roller Options	Extra fine, fine, coarse		
Display System	AFS Pro 700 or ISO11783 compliant display		
Flow Monitor	Standard all-run system		
Section Control	Two section (std.) and AFS controlled four sections (opt.)		
Distribution Lines	1 in. (25 mm) or 1.25 in. (38 mm) (ID depends on location) – UV resistant hose		
<b>ROW UNIT/OPENER</b>			
Minimum PTO HP Requirement	10 in. spacing: 120 HP* 7.5 in. spacing: 160 HP*	10 in. spacing: 145 HP* 7.5 in. spacing: 195 HP*	10 in. spacing: 195 HP* 7.5 in. spacing: 260 HP*
Operating Speed	5–8 mph (8–12.7 kph)		
Depth Adjustment	Per opener 0–3.5 in. (0–8.9 cm) 14 increments with single “T” handle		
Row Unit Vertical Travel (from surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)		
Road-To-Opener Clearance	8.5 in. (21.6 cm)		
Row Unit Spring Down Pressure per Row	160–400 lbs. (73 kg–181 kg)		
Rank Down Pressure Adjustment	Single point hydraulic adjustment (optional in-cab): 200–1,400 psi (three pre-set settings on display)		
Opening Disk	18 in. (45.72 cm) single bevel at 7°		
Closing System	Double edge, single wheel		
Closing System Pressure @ 1.5 in. (38 mm)	3 settings: 60, 75, 85 lbs. (27, 34, 39 kg)		



PRECISION DISK 500 SPECIFICATIONS	30 FT. (9.14 M)	40 FT. (12.19 M)	50 FT. (15.24 M)	60 FT. (18.29 M)
<b>CONFIGURATIONS</b>				
Tank Style	Tow-behind or tow-between air cart			
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional			
<b>FRAME</b>				
Weight (Empty) Est.	7.5 in.–19,600 lbs. (8900 kg) 10 in.–17,500 lbs. (7900 kg)	7.5 in.–24,800 lbs. (11 250 kg) 10 in.–22,100 lbs. (10000 kg)	7.5 in.–40,000 lbs. (18 143 kg) 10 in.–36,600 lbs. (16601 kg)	7.5 in.–45,500 lbs. (20639 kg) 10 in.–41,500 lbs. (18824 kg)
Fold Type	Single fold		Double fold	
Wing Flex	3 section flex (10° down & 15° up)		5 section flex (10° down & 15° up)	
Hitch	Floating			
Transport Height	11.9 ft. (3.63 m)	13.8 ft. (4.2 m)	13.2 ft. (4.02 m)	14.8 ft. (4.5 m)
Transport Width	12 ft. (3.65 m)	18.5 ft. (5.63 m)	18.7 ft. (5.7 m)	
Tire Package–Standard	Stubble resistant tires all locations. Quantity: 12 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5L×15 single wheel (front on castor) Rear of mainframe – 18L×16.1 dual wheels on rigid axles		Stubble resistant tires all locations. Quantity: 20 total wheels Single 12.5L – 15 D ply rating tires on outer wings Fixed tandem 12.5L – 15 D ply rating tires on inner wings Walking tandem 16.5×16.1 E ply rating tires on center section	
Tire Package–High Flotation (Optional)	Stubble resistant tires all locations. Quantity: 16 total wheels Front of mainframe – 12.5L×15 dual wheels on castoring walking beam axles Front and rear of each wing – 12.5L×15 dual wheels on walking beam axles (front on castor) Rear of mainframe – 18L×16.1 dual wheels on walking beam axles		Stubble resistant tires all locations. Quantity: 24 total wheels Walking tandem 12.5L – 15 D ply rating tires on inner and outer wings Walking tandem 16.5×16.1 E ply rating tires on center section	
<b>METERING/MONITORING</b>				
Meter Drive System	Air cart dependent (mech or hyd drive)			
Display System	AFS Pro 700 or ISO11783 compliant display			
Flow Monitor	Optional primary run monitoring or optional secondary run monitoring			
Section Control	Optional 1/2 width section control on Precision Air 2280, 2330, 3380, 3430 and 3580 carts			
Extended Wear Distribution	Optional			
<b>ROW UNIT/ OPENER</b>				
Minimum PTO HP Requirement	10 in. spacing: 145 HP** 7.5 in. spacing: 195 HP**	10 in. spacing: 195 HP** 7.5 in. spacing: 260 HP**	10 in. spacing: 228 HP** 7.5 in. spacing: 304 HP**	10 in. spacing: 274 HP** 7.5 in. spacing: 365 HP**
Operating Speed	5–8 mph (8–12.7 kph)			
Depth Adjustment	Per opener 0–3.5 in. (0–8.9 cm) 14 increments with single “T” handle			
Row Unit Vertical Travel (from surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)			
Road-To-Opener Clearance	8.5 in. up (21.6 cm)			
Row Unit Spring Down Pressure	160–400 lbs. (73 kg–181 kg)			
Rank Down Pressure Adjustment per Row	Single point hydraulic adjustment (optional in-cab): 200 – 1,400 psi			
Opening Disk	18 in. (45.72 cm) single bevel at 7°			
Closing System	Double edge, single wheel			
Closing System Pressure	3 settings: 59, 71, and 84 lbs. (27, 32, 38 kg)			

\*\* Additional horsepower is required to tow and operate the air cart. Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.





SAFETY NEVER HURTS!<sup>™</sup> Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

©2013 CNH America LLC. All rights reserved. Case IH is a registered trademark of CNH America LLC. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH America LLC, are the property of those respective companies. Printed in U.S.A. [www.caseih.com](http://www.caseih.com)

CIH11141301 Replaces CIH12071201