PRECISION DISK 550 SERIES AIR DRILLS

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AIR DRILLS

AGRONOMIC DESIGN™

CASE IH

ACCURATE. VERSATILE. PRODUCTIVE

The Precision Disk™ 550 series parallel-link row unit is built on Agronomic Design™ principles.

INDUSTRY-LEADING PARALLEL-LINK DESIGN

- Generates consistent coulter depth and seed placement, along with closing wheel pressure for improved stand establishment. Exclusive variable downpressure spring design holds row unit to the ground in hard or soft conditions.
  - Forward-facing speed tube design leads to low momentum seed drop
  - Seed flap design optimizes locking seed in and dry dirt out
  - Sealed self lubricating bushing in all linages and heavy-duty sealed roller bearing on the coulter hub

IN-CAB HYDRAULIC DOWN PRESSURE CONTROL

- Standard in-cab downpressure
- Adjust to changing field conditions on the go with ease, right from the tractor seat with customizable presets.

NEW GAUGE WHEEL OPTIONS

- A range of widths and options, including an open-spoke design, accommodates various field conditions.
  - 4.5-inch option matches conventional tillage conditions
  - 3-inch option is built to handle tougher, no-till conditions

NEW CLOSING SYSTEM

- Built-in, indexable angle adjustments provide effective seed trench closing, no matter the conditions—from conventional to no-till.
- Angle adjustments are simple, with indexed settings from zero to 13 degrees to match your fields.

NEXT LEVEL ACCURACY AND EASE OF USE

AFS Furrow Command™ downforce automation is designed to take the down-pressure setting of the Precision Disk air drill to the next level. This function automates downforce settings of air drill row units, ensuring consistent seed placement depth in changing field conditions by varying the hydraulic pressure to maintain contact between the gauge wheel and the ground. Operators receive instant feedback from AFS Furrow Command, which simplifies adjustment of downpressure settings, right from the tractor seat.

SEED PLACEMENT ACCURACY

- AFS Furrow Command technology allows operators to maintain seed depth regardless of terrain, for superior agronomic performance and higher yield potential.

INCREASED PRODUCTIVITY

- In-cab feedback, like downforce monitoring and mapping, makes setting row unit depth easier and improve productivity by removing guesswork.

UNMATCHED VERSATILITY

- AFS Furrow Command enables automated downforce setting of air drill row units for consistent seed placement depth in variable ground conditions.

BENEFITS

- **Simplify operation:** The operator does not have to change settings for different conditions to achieve seed depth consistency.
- **Improved depth control:** Section downforce option adjusts the hydraulic pressure for each frame section independently.
- **Reduce component wear:** Feedback from the system will allow operators to minimize the force required to maintain gauge wheel contact with the ground.

AFS FURROW COMMAND

AGRONOMIC DESIGN™

GET MORE DONE IN YOUR CONDITIONS

When it comes to seeding, you need to make every moment in the field count. You need a versatile seeding tool that will flex to fit your fields. That's why Precision Disk 550 series air drills are built with versatility in mind to deliver agronomic performance — even at higher speeds.

MATCH YOUR CONDITIONS

- The standard closing system is adjustable for both down pressure and closing wheel angle to achieve effective seeding in a range of conditions — from conventional to no-till.
- Angle adjustments are simple, with indexed settings from zero to 13 degrees to match your fields.

GREATER CAPACITY

- The Precision Disk 550T features product tanks with up to 140-bushel capacity to maximize tendering and seeding productivity.
- High-flotation tire options accommodate greater tank capacities and help reduce compaction.

EXCEPTIONAL ACCURACY

- Easy-to-use, enhanced auto calibration check software verifies settings by using scale feedback and ensures accuracy.
- A stationary calibration package comes standard, so you can perform checks without needing to operate the unit in the field.
- An exclusive in-tank camera helps you keep tabs on tank fill levels and uniformity.
- A rear-view camera provides added safety while roading.


CASE IH

PRECISION DISK 550T SPECIFICATIONS

MODEL	30 FT. (9.14M)	40 FT. (12.19M)
CONFIGURATION		
Tank Style	Mounted tank	
Tank Capacity	Single 110 bu.	Single 140 bu.
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) or 15 in. (38.1 cm) optional	
FRAME		
Weight (Empty) Est.	7.5 in. - 22,890 lb. (10380 kg.) / 10 in. - 20,890 lb. (9475 kg.) / 15 in. - 17,790 lb. (8070 kg.)	7.5 in. - 28,360 lb. (12860 kg.) / 10 in. - 25,660 lb. (11640 kg.) / 15 in. - 22,380 lb. (10150 kg.)
Fold Type	Single fold	
Wing Flex	3 section flex (10 degrees down & 15 degrees up)	
Hitch	Floating	
Transport Height	13 ft. 1 in. (3.99 m)	13 ft. 10 in. (4.23 m)
Transport Width	12 ft. 5in. (3.79 m)	18 ft. 8in. (5.69 m)
Drill Length	27 ft. 8 in. (8.42 m)	29 ft. 10 in. (9.09 m)
FLOTATION		
Tire Packages - Base	**Quantity:** 16 total wheels - Stubble resistant tires all locations / **Front and rear of each wing:** 340/60R15 dual wheels walking beam axles (front on castor) / **Front of mainframe:** 380/55R16.5 dual wheels on castoring walking beam axles / **Rear of mainframe:** 380/55R16.5 dual wheels on walking beam axles	
Tire Package - High Flotation	**Quantity:** 16 total wheels - Stubble resistant tires all locations / **Front and rear of each wing:** 340/60R15 dual wheels walking beam axles (front on castor) / **Front of mainframe:** 380/55R16.5 dual wheels on castoring walking beam axles / **Rear of mainframe:** 500/40R16.5 dual wheels on walking beam axles	
METERING / MONITORING		
Meter Drive System	Variable rate hydraulic drive (three pre-set settings on display)	
Meter Roller Options	Course, Fine, Extra fine	
Display System	AFS Pro 1200, AFS Pro 700 or ISO11783 compliant display	
Weigh Scale	Tank mounted with rear platform display, in-cab display and auto re-calibration check feature	
Flow Monitor	Standard all-run system	
Section Control (Standard / Optional)	Four section manual / AFS controlled four sections	
Distribution Lines	1 in. (25 mm) or 1.25 in. (38 mm) (ID depends on location) – UV resistant hose	
ROW UNIT / OPENER		
Minimum Drawbar HP Requirements	10 in. - 145 hp* / 7.5 in. - 195 hp* / 15 in - 100 hp*	10 in. - 195 hp* / 7.5 in. - 260 hp* / 15 in - 150 hp*
Minimum Hydraulic Requirements	30 GPM hydraulic flow / 2,400 psi hydraulic pressure / 3 hydraulic control valves	
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 lb. (73 kg – 181 kg)	
Rank Down Pressure Adjustment (Standard / Optional)	In-cab hydraulic 200 – 1,400 psi / AFS Furrow Command	
Opening Disk	18 in. (45.72 cm) single bevel at 7 degrees	
Closing System	Double edge, single press wheel	
Closing System Press Wheel Angles	4 settings: 0, 6, 9, 13 degrees	
Closing System Pressure @ 1.5 in. (38 mm)	3 spring settings: 59, 71, 84 lb. (27, 32, 38 kg)	

*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.

PRECISION DISK 550 SPECIFICATIONS

MODEL	30 FT. (9.14M)	40 FT. (12.19M)	50 FT. (15.24M)	60 FT. (18.29M)
CONFIGURATION				
Tank Style	Tow-behind or tow-between air cart			
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm)			
FRAME				
Weight (Empty) Est.	7.5 in. - 19,600 lb. (8 900 kg) 10 in. - 17,500 lb. (7 900 kg)	7.5 in. - 24,800 lb. (11 250 kg) 10 in. - 22,100 lb. (10 000 kg)	7.5 in. - 40,000 lb. (18 143 kg) 10 in. - 36,600 lb. (16 601 kg)	7.5 in. - 45,500 lb. (20 639 kg) 10 in. - 41,500 lb. (18 824 kg)
Fold Type	Single fold		Double fold	
Wing Flex	3 section flex (10 degrees down & 15 degrees up)		5 section flex (10 degrees down & 15 degrees up)	
Hitch	Floating			
Transport Height	13 ft. 1 in. (3.99 m)	13 ft. 8 in. (4.17 m)	13 ft. 2 in. (4.02 m)	14.9 ft. (4.54 m)
Transport Width	12 ft. 5 in. (3.79 m)	18 ft. 8 in. (5.69 m)		
FLOTATION				
Tire Packages - Base	**Quantity:** 16 total wheels - Stubble resistant tires all locations **Front of mainframe:** 380/55R16.5 dual wheels on castoring walking beam axles **Front and rear of each wing:** 340/60R15 dual wheels walking beam axles (front on castor) **Rear of mainframe:** 380/55R16.5 dual wheels on walking beam axles		**Quantity:** 24 total wheels - Stubble resistant tires all locations **Front of mainframe:** 16.5 × 16.1 E ply rating dual wheels on castoring walking beam axles **Front and rear of each wing:** 340/60R15 dual wheels walking beam axles (front on castor) **Rear of mainframe:** 16.5 × 16.1 E ply rating dual wheels on walking beam axles	
METERING / MONITORING				
Display System	AFS Pro 1200, AFS Pro 700 or ISO11783 compliant display			
Flow Monitor	Optional all run blockage / relative flow monitoring			
Air Distribution	Tow between & tow behind air pack in standard or optional extended wear air pack			
ROW UNIT / OPENER				
Minimum Drawbar HP Requirements	10 in. - 145 hp** / 7.5 in. – 195 hp**	10 in. - 195 hp** / 7.5 in. – 260 hp**	10 in. - 228 hp** / 7.5 in. – 304 hp**	10 in. - 274 hp** / 7.5 in. – 365 hp**
Minimum Hydraulic Requirements	15 GPM hydraulic flow / 2,400 psi hydraulic pressure / 2 hydraulic control valves*		30 GPM hydraulic flow / 2,400 psi hydraulic pressure / 2 hydraulic control valves*	
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 lb. (73 kg – 181 kg)			
Rank Down Pressure Adjustment (Standard / Optional)	In-cab hydraulic 200 – 1,400 psi / AFS Furrow Command			
Opening Disk	18 in. (45.72 cm) single bevel at 7 degrees			
Closing System	Double edge, single press wheel			
Closing System Press Wheel Angles	4 settings: 0, 6, 9, 13 degrees			
Closing System Pressure @ 1.5 in. (38 mm)	3 spring settings: 59, 71, 84 lb. (27, 32, 38 kg)			

*More hydraulic flow and hydraulic controls values will be needed for air cart operation.

**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.

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