



# 7000 Series <sup>®</sup>

*Precision Air Carts*





Easy to read seed and fertilizer charts are conveniently located.



Posi-Drive Transmission - using a positive lock on all drive sprockets to deliver smooth and reliable metering. The positive ground drive from the air cart wheel compensates for any changes in ground speed, ensuring precise product rates at all times.



Dual speed metering on the front tank allows you accurately meter lower rates of fine seed such as canola and grasses.



The Morris variable rate option is quick, responsive and accurate for on-the-go rate changes.

## Morris Precision 7000 Series Air Carts let you adapt to changing farming practices...

Today you might seed into summerfallow, tomorrow minimum till seed with a double-shoot boot while applying granular, liquid or anhydrous fertilizer - all in one pass.



Morris' spiral fluted metering wheels gently roll product into the airstream from fine canola seed to larger pulses and fertilizer.

Whatever the application, the Morris 7000 Series Air Cart is the right machine for the job. It can be easily configured to meet your requirements.

Morris engineers have designed the 7000 Series to perfectly fit your operation with the right combination of tank sizes, and drive options. Corrosion resistant hardware and enhanced tank surfacing will not only add to the longevity of these units, but will increase their future value.



From the Air Cart to the ground, Morris provides advantages that are unmatched by competitors. Unique spiral fluted metering wheels gently roll product into the air stream in a constant flow - providing a distinct contrast to the uneven dumping of straight fluted metering wheels.



On the MORRIS system, product does not have to be lifted and experiences no 90-degree bends or sharp turns, so only one fan is required to move product from the meter bodies to the ground. An industrial piston-type hydraulic motor powers a 13" (33 cm) diameter forward curved fan that is 98% efficient. Use of larger hydraulic lines decrease flow restrictions for less heat buildup under higher fan speeds.



The smooth horizontal flow of material is retained by Morris' patented Flat Fan Divider Head, which eliminates abrupt direction changes found in vertical divider heads. The Morris system minimizes seed damage, reducing input costs and increasing yields.

The unique shape of the divider head distributes the product evenly to each secondary hose. Individually matched with the metering wheel, the divider head provides precise distribution of the product to each run.



The walk-through tank design creates a firm standing platform with fill lids at waist level.

## 7000 Series Air Carts are designed for operator safety and convenience

Focusing on operator safety and convenience, Morris developed the innovative walk-through tank design. Providing a firm standing platform, with the air cart fill lids at waist level, the design eliminates the need for bending. Access to the platform is available from ladders on either side of the air cart.



Screens prevent debris getting into the tanks when filling.

Expanding farms and reduced manpower make tank size important. The 7000 Series Air Cart features three tank sizes - from 180 to 300 bushels. The expanded payload means less filling and more time seeding. Morris carts feature complete seed and fertilizer clean-out essential for multi-crop operations and seed growers.

Single shoot, double shoot or triple shoot in a tow behind configuration for all tank sizes. These options are also available in a tow between configuration.



The Third Tank option allows you to increase productivity. Incorporate three applications in a single pass, significantly reducing both time and expense. Consider the benefits of applying your starter fertilizer with your seed, while deep banding additional fertilizer at the same time.

The Third Tank is capable of metering the new granular innoculent used on pulse crops such as peas and beans. This allows for precision placement of the innoculent in the soil with the seed. It also eliminates unnecessary handling of product.

All three tanks utilize the same metering body for accurate blending and efficiency.



The Granular Tank option allows you to broadcast granular herbicide on the soil surface, while accurately placing seed and fertilizer at two different levels in the soil.



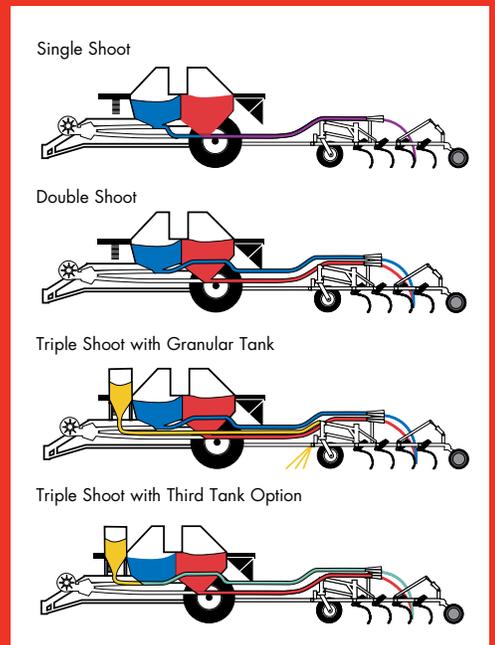
Morris' innovative design makes it convenient to switch between single and double shoot with a flip of a lever. The Diverter Valve allows the product in each tank to combine evenly into one air stream. Or, you can choose to keep the product separate.



When double shooting, a fully adjustable plenum lets you divert more air to the meter with heavier products and higher rates of application, and less with lighter or more fragile products.



The 7000 Series auger is double-hinged for exceptional balance, allowing one person to easily load and unload. The 7180 model is equipped with a 7" auger. The 7240 and 7300 models come with 8" auger.



## 7000 Series Precision Air Carts Specifications and Options

Model	7180		7240		7300	
	Tow Behind	Tow Between	Tow Behind	Tow Between	Tow Behind	Tow Between
<b>Configuration</b>						
<b>Capacity</b> - Total	180 bu (6,550 l)		240 bu (8,730 l)		300 bu (10,910 l)	
- Tanks	2		2		2	
- Splits	71/109 bu (2,580/3,970 l)		95/145 bu (3,460/5,270 l)		120/180 bu (4,360/6,550 l)	
<b>Dimensions</b> - Width	11' 10" (3.61 m)	11' 10" (3.61 m)	12' (3.66 m)	12' (3.66 m)	12' (3.66 m)	12' (3.66 m)
- Length with auger	22' 5" (6.83 m)	25' 3" (7.70 m)	25' 8" (7.82 m)	26' 10" (8.18 m)	25' 8" (7.82 m)	26' 10" (8.18 m)
- Height	10' 9" (3.28 m)	10' 9" (3.28 m)	11' 4" (3.45 m)	11' 4" (3.45 m)	12' (3.66 m)	12' (3.66 m)
- Weight with auger	5,720 lbs (2,574 kg)	5,420 lbs (2,439 kg)	7,315 lbs (3,292 kg)	6,825 lbs (3,071 kg)	7,770 lbs (3,479 kg)	7,325 lbs (3,296 kg)
<b>Tires</b> - Standard (Front)	(1) 21.5 x 16.1 - 6 ply rating	N/A	(2) 21.5 x 16.1 - 6 ply rating	N/A	(2) 21.5 x 16.1 - 10 ply rating	N/A
- Standard (Rear)	(2) 21.5 x 16.1 - 6 ply rating	(2) 21.5 x 16.1 - 6 ply rating	(2) 23.1 x 26 - 12 ply rating	(2) 23.1 x 26 - 12 ply rating	(2) 23.1 x 26 - 12 ply rating	(2) 23.1 x 26 - 12 ply rating
- Optional (Front)	(1) 21.5 x 16.1 Rice - 8 ply rating	N/A	(2) 21.5 x 16.1 Rice - 12 ply rating	N/A	(2) 21.5 x 16.1 Rice - 12 ply rating	N/A
- Optional (Rear)	(2) 21.5 x 16.1 Rice - 8 ply rating	(2) 21.5 x 16.1 Rice - 8 ply rating	(2) 23.1 x 26 Rice - 10 ply rating	(2) 23.1 x 26 Rice - 10 ply rating	(2) 23.1 x 26 Rice - 10 ply rating	(2) 23.1 x 26 Rice - 10 ply rating
- Three Point Hitch	N/A	(2) 18.4 x 26 - 10 ply rating	N/A	(2) 23.1 x 26 - 12 ply rating	N/A	N/A
<b>Loading Auger</b> - Standard	7" Diameter x 18.5' Long) (0.18 m x 5.64 m)		(8" Diameter x 20' Long) (0.2 m x 6.1 m)		(8" Diameter x 20' Long) (0.2 m x 6.1 m)	
<b>Fan</b> - Impeller	13" (33 cm) Diameter					
- Operating rpm	Up to 5,000 rpm					
- Hydraulic Drive	Closed Centre or Closed Centre Load Sensing systems required. 12cc piston type orbit motor (Maximum 15.5 U.S. gal./min.) (59 l/min) (Minimum 2100 p.s.i.) (14,469 kPa) VRT requires an additional 5.5 U.S. gal/min (21 l/min)					
<b>Metering System</b>	Easy Clean Out System, 8 primaries, single shoot 21 - 80 runs, double shoot 42 - 160 runs, Primary hose dia. - 2 1/2" (6.4 cm), Secondary hose dia. - 15/16" (2.4 cm)					
- Meter Drive	Standard - Ground drive mechanism with electric clutch controlled from cab. Optional - Second clutch for individual meter shaft control. Optional - Variable Rate (VRT)					
<b>Monitor</b>	Standard - (Shaft Motion (3), Bin Level (3), Fan Speed, Acre Tally, Ground Speed) Optional - (Seed Flow)					
<b>Safety Lights / Safety Chain</b>	Standard					
<b>Options</b> - Tow Between models	Tank Access Screens, Mechanical Acre Meter (Mech. Drive), Three Point Hitch for 7180 & 7240 only (Categories II, III, III-N)					
- Tow Behind models	Tank Access Screens, Mechanical Acre Meter (Mech. Drive), Trailing Hitch, Hitch Stand, and (Front Wheel Scraper for 7180 Front Wheel Only)					
- Third Tank	Optional (40 cu. ft.) (1,129 l)		Optional (40 cu. ft.) (1,129 l) (N/A on 7300 Tow Between)			
- Granular Applicator	N/A		Optional (40 cu. ft.) (1,129 l) (N/A on 7300 Tow Between)			

### Accurate Information Monitoring

Accuracy has never been easier. The 7000 Series Air Cart places all critical data at your fingertips. This includes; fan speed, ground speed, meter shaft rotation, bin level, field acres seeded, total acres seeded and calibration seeding rate per acre. It's as easy to check basic operation as it is to program advanced functions. And, moisture proof connections on the system's SMART SENSORS ensure reliable operation.



Critical data is at your fingertips with the easy to read Morris monitoring system.



**CORPORATE OFFICE & TRAINING CENTRE** - 2131 Airport Drive, Saskatoon, SK Canada S7L 7E1  
Tel: (306) 933-8585 Fax: (306) 933-8626  
[www.morris-industries.com](http://www.morris-industries.com) Questions? email: [info@morris-industries.com](mailto:info@morris-industries.com)