

MORRIS



TAKE YOUR
SEEDING
TO A WHOLE NEW LEVEL

morris-industries.com



INSPIRED BY FARMERS, ENGINEERED BY MORRIS



The 9 SERIES Air Cart advancements include Input Control Technology, extensive line-up of tank models, left side access to auger/controls, transmission and quick access doors. Redesigned stairway and walkway, hydraulic calibration and front quad axle for unmatched turning capability. The bold silver metallic paint provides outstanding durability, toughness and resistance.

Easier Access



Left side auger/conveyor for easier access when filling. A 6-function wireless remote included with the hydraulic assist options reduces operator fatigue. The lanyard allows the operator to safely use two hands when necessary. New transmission covers for added operator safety on all carts. Quick-detach straps on the standard drive allow easy access to the quick-change sprockets.

Easy Fill Tanks



Filling of the tanks is made easier by designing the tank lids to be closer together. With the optional hydraulic assist the operator can use the wireless controller to position the spout on the auger/conveyor without moving the hopper from the unloading area or climbing down from the air cart. The lid design incorporates a gas cylinder to assist the operator when opening and closing the tanks. The handle

is positioned so the operator does not need to stand above the lids to open them. The lids rotate to sit along the tank panel to reduce clutter on the walkway.

Stairway



The rear stairway is accessed from the auger side. The retractable section provides a low step height when in use and slides up and locks out of the way for improved ground clearance. The sliding section has two larger gas cylinders that help lift and hold the stairs until locked in position. A spring-loaded pin reduces latch time.

Walkway



The walkway improves access to the tank lids. Handrails around the walkway platform and down the stairway provide excellent protection for a secure and safe work area. The walkway is positioned to allow the operator more room to work and avoid dust when filling the tanks.

Quick Connect

The distribution hose include quick couplers where the drill and air cart connect to make connecting and disconnecting more efficient.

High-efficient Fan



An industrial piston-type hydraulic motor powers the 17" diameter forward curved fan and large hydraulic lines decrease flow restriction for less heat build up under higher fan speeds. A dual fan option is available for large width seeding tools.

Precision Metering



The time-proven spiral fluted metering wheel is the center of the metering system. The spiral flute provides a continuous flow of product into the air stream. The meter-bodies include single person operation of the inspection and calibration left side access doors. Calibration doors speed up calibrating time because the operator does not have to pick up parts from the ground. The 9800 and 91000 metering bodies accommodate up to 10 metering wheels.

All-in-one Seed Plates



All-in-one seed plates save time, one quick change lets you accurately meter fine, medium or coarse products. The operator can quickly inspect the seed-plate in each meter-body.

Smooth Horizontal Product Flow



The patented flat fan divider heads maintain the smooth horizontal flow of product as it leaves the primary runs to the divide into each secondary run. This accurate and efficient air delivery system ensures that germination, growth and vigor are protected.

Quick and Responsive Variable Rate Metering

The variable rate option is quick and responsive for accurate on-the-go rate changes. The VRT option features:

- Designed for Topcon's X30 with an intuitive multi-view interface
- Morris factory loaded air cart profiles for initial set-up
- Variable rate control for up to eight products
- Miniview windows with drag-and-drop positioning
- Interaction keypads with expandable menus
- Dashboard readouts provide constant, convenient data
- Full-screen views available for more detailed information
- Advanced setup wizard provides simple icon based setup control



Smooth Mechanical Drive Metering

Quick-change sprockets provide simple, reliable adjustments between crops and posi-drive transmission uses a positive lock on all drive sprockets to deliver smooth and reliable metering.

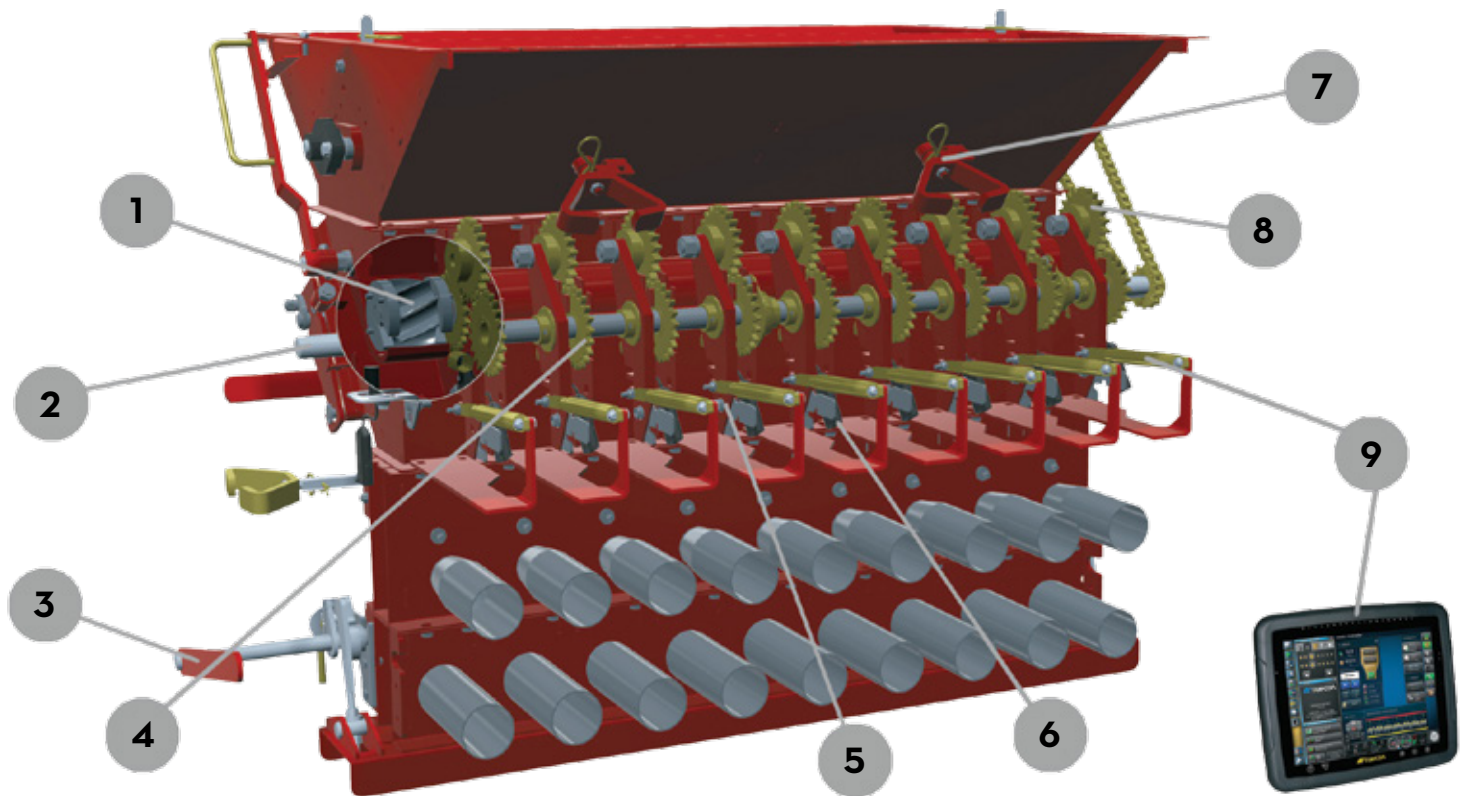
Seed and fertilizer rate charts have been added to the tanks to allow for a quick reference when starting calibrations of different products. This reduces the time to select the proper rate sprocket by providing a generic start point. Proper calibrations are required to ensure proper selection of the rate sprockets for your machine before seeding is started. Optional hydraulic calibration is available to automate and speed up stationary meter calibrating.

Fan speed, shaft rotation, bin levels, acres seeded and other critical data are available with the standard Vansco monitoring system.



Input Control Technology (ICT)

Engineered for
Instant Overlap Control



1. The meter wheels for each section are always full of seed and fertilizer, which reduces the time required to charge the system when beginning the next pass.
2. The ICT system uses a unique hydraulic drive system to engage or disengage the individual metering-wheels that stop the product in each tank from flowing instantly.
3. Single-handle clean out door continues from the standard metering system.
4. The simple sprocket-driven system is visible to the operator when inspecting the tanks, and it's function is intuitive.
5. The simple on and off set-up gives the operator a much more cost effective and less complicated way to conserve crop inputs.
6. Electric sensors to verify the system is working and displayed on the monitor.
7. Gates can be closed to inspect meter wheels.
8. With the simple Sprocket-driven system, the metering-wheel is either engaged and turning, or is stopped.
9. The electric GPS system is transmitted to the Topcon X30 controller. The controller then signals the hydraulic valve, which engages or disengages the gear drive system, for the metering wheels.

GPS Options

Morris offers the Topcon AGI-4 as the primary receiver for ICT. It allows use of the Omni-STAR subscription service that can decode differential correction signals (DGPS), which corrects any map drift and more accurate GPS signal.

9 SERIES AIR CART

Specifications and Options

Configuration	Tow-Between	Tow-Behind
Rear Tow Hitch - 9365 and 9450	Standard (Max 26,000 lb Draft Load) (Max 11,818 kg Draft Load)	Optional (Max 15,000 lb Draft Load) (Max 6,818 kg Draft Load)
Rear Tow Hitch - 9445, 9550, 9650, 9800 and 91000	Standard (Max 26,000 lb Draft Load) (Max 11,818 kg Draft Load)	Standard (Max 26,000 lb Draft Load) (Max 11,818 kg Draft Load)
Hitch Stand	N/A	Optional
Fan Impeller Diameter	17" (43 cm) - Up to 5,000 r.p.m.	
Hydraulic Fan Drive (Closed Centre or Closed Centre Load Sensing systems required) Hydraulic requirements for Air Cart only at Rated Fan Speed.	16cc - piston type orbit motor 21 U.S. gal./min. (80 l/min) at 2,750 p.s.i. (18,960 kpa) Dual Fans require 42 U.S. gal./min. (160 l/min) VRT requires an additional 5.5 U.S. gal./min (21 l/min)	
High Flow Hydraulic Kit	Standard	
Loading Auger	Standard (10" Dia) (25.4 cm Dia) 9365 to 9650 Standard (12" Dia) (30.5 cm Dia) 9800 and 91000 Optional - Conveyor(16") (40.6 cm) Optional - Hydraulic Assist	
Metering - Ground Driven - Variable Rate (VRT) - GPS Compatible VRT - ICT (Input Control Technology)	Standard Optional - Topcon Monitor Optional - Topcon Monitor Optional with VRT	
Meter Shut Off	Electric	
Number Secondary Runs - Single-Shoot	21 to 99 (9800 - 91000 will do up to 110)	
Number Secondary Runs - Double-Shoot	42 to 198 (9800 - 91000 will do up to 220)	
Primary Hose - Diameter	2 1/2" (6.4 cm)	
Secondary Hose - Diameter	Standard - 15/16" (2.4 cm) Optional - 1 1/4" (3.2 cm)	
Easy Clean Out System	Standard	
Meter Drive Option -Second Clutch (For spot fertilizing on the go)	Standard (Ground Drive Only)	
Monitor - (Shaft Motion (4), Bin Level (4), Fan Speed (2), Acre Tally, Ground Speed)	Standard Optional Seed Flow	
Work Switch (Mounted to Seeding Machine)	Optional	

Tank Capacity							
Model	Front Tank	Mid 1 Tank	Mid 2 Tank	Rear Tank	Total	Weight Tow -Behind	Weight Tow -Between
9365	182 bu 226.5 cu ft 6414 litres	N/A	N/A	182 bu 226.5 cu ft 6414 litres	364 bu 12828 litres 50/50 Split	10900 lbs 4944 kg	14100 lbs 6396 kg
9450	182 bu 226.5 cu ft 6414 litres	86 bu 107 cu ft 3030 litres	N/A	182 bu 226.5 cu ft 6414 litres	450 bu 15858 litres 40/19/40 Split	11900 lbs 5398 kg	15100 lbs 6849 kg
9535	182 bu 226.5 cu ft 6414 litres	86 bu 107 cu ft 3030 litres	86 bu 107 cu ft 3030 litres	182 bu 226.5 cu ft 6414 litres	536 bu 18888 litres 34/16/16/34	13000 lbs 5897 kg	N/A
9445	221 bu 275 cu ft 7788 litres	N/A	N/A	221 bu 275 cu ft 7788 litres	442 bu 15576 litres 50/50 Split	17300 lbs 7847 kg	20000 lbs 9072 kg
9550	221 bu 275 cu ft 7788 litres	107 bu 133 cu ft 3772 litres	N/A	221 bu 275 cu ft 7788 litres	549 bu 19348 litres 40/19/40 Split	18000 lbs 8165 kg	20700 lbs 9389 kg
9650	221 bu 275 cu ft 7788 litres	107 bu 133 cu ft 3772 litres	107 bu 133 cu ft 3772 litres	221 bu 275 cu ft 7788 litres	656 bu 23120 litres 34/16/16/34	18700 lbs 8482 kg	21400 lbs 9707 kg
9800	265 bu 330 cu ft 9339 litres	133 bu 166 cu ft 4700 litres	133 bu 166 cu ft 4700 litres	284 bu 353 cu ft 10008 litres	815 bu 28747 litres 33/16/16/35	30240 lbs 13720 kg	29740 lbs 13490 kg
91000	331 bu 412 cu ft 11664 litres	162 bu 202 cu ft 5709 litres	162 bu 202 cu ft 5709 litres	349 bu 434 cu ft 12298 litres	1004 bu 35380 litres 33/16/16/35	31240 lbs 14170 kg	N/A

Tire Specifications										
Tire	Style	Rating	Pressure							
			BT 9365 9450	BH 9365 9450	BH 9535	BT 9445 9550 9650	BH 9445 9550 9650	BT 9800	BH 9800 91000	
500/70 R24 Front Castor	Lug	LI 157	-	25 psi STD	-	-	-	-	-	
28LR26 Quad Steer	Lug	165 A8	-	18 psi STD	18 psi STD	-	18 psi STD	-	-	
800/65R32	Lug	LI 172	20 psi STD	20 psi STD	-	-	-	-	20 psi Front Axle	
800/65R32 Dual Wheels	Lug	LI 172	20 psi	20 psi	20 psi	20 psi STD	20 psi	-	-	
800/70R38 Dual Wheels	Lug	LI 172	-	-	-	-	-	20 psi STD	20 psi STD	
850/80R38 Dual Wheels	Lug	LI 172	-	-	-	-	-	15 psi	15 psi	
900/60R32	Lug	176 A8	17 psi	17 psi	26 psi STD	-	26 psi STD	-	-	
520/85R38 Dual Wheels	Lug	155 A8	-	20 psi	-	-	-	-	-	

*BH - Tow-Behind only

*BT - Tow-Between only

STD - Standard