

VARIABLE RATE METERING



The Morris variable rate option is quick, responsive and accurate for on-the-go rate changes. This VRT option is available with the choice of two monitor systems – Either the Eagle system or the X20 system from Topcon.



The Topcon Eagle controls up to four tanks of granular, liquid and NH3. Monitor ground speed, shaft speed, fan speed and bin levels with fingertip control.

The Topcon X20 can control up to five tanks including granular, liquid and NH3. It monitors fan speed, shaft speeds, and ground speed. Bin levels are monitored with calculated visual indication of remaining product in bins. This system is guidance ready with the addition of compatible user supplied GPS. As-applied mapping is available when using GPS. Maplink VRC allows prescription map control of up to five



TOPCON
Precision Agriculture

products. There are a variety of optional features that can be added to the Topcon X20 system. Accessories can be added to integrate the AgCam camera into the system. High quality images would be displayed on the X20 monitor visible in any light conditions. Liquid fertilizer and NH3 gas control could also be added along with Auto Section Control (ASC) of liquid fertilizer (up to five sections).

MECHANICAL DRIVE METERING



Quickly determine the product rate settings by using the easy to read seed and fertilizer charts located on the side of the air cart (use charts as a guide only). Ensure the proper application rate with a convenient stationary rate check right in your yard.



Fan speed, shaft rotation, bin levels, acres seeded and other critical data are at your finger tips with the easy to read Vansco monitoring system.

Quick-change sprockets mean simple, reliable adjustments between crops. The posi-drive transmission uses 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 all three tanks allows you to mix and match product and tanks.



The 8435, 8630 8650 EIGHT Series XL air carts feature a quad steer chassis – using larger tires on the front of the air cart allows you to reduce tire pressure and therefore reduce soil compaction.



Large offset front tires with walking axles increase stability on corners, side hills and in transport, resulting in a smoother overall ride.

EIGHT Series XL

Specifications and Options

Configuration	Tow Between	Tow Behind
Rated Fan Speed	Up to 5,000 r.p.m.	Up to 5,000 r.p.m.
Fan Impeller Diameter	17" (43 cm)	17" (43 cm)
Hydraulic Drive - piston type orbit motor (Closed Centre or Closed Centre Load Sensing systems required) Hydraulic requirements for Air Cart only at Rated Fan Speed.	16cc 21 U.S. gal./min. (80 l/min) at 2,750 p.s.i. (18,960 kpa) VRT requires an additional 5.5 U.S. gal/min (21 l/min)	16cc 21 U.S. gal./min. (80 l/min) at 2,750 p.s.i. (18,960 kpa) VRT requires an additional 5.5 U.S. gal/min (21 l/min)
High Flow Hydraulic Kit	Standard	Standard
Rear Tow Hitch	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)
Hitch Stand	N/A	Optional
Loading Auger	Standard (10" Dia x 21' Lg.) (0.25m Dia x 6.4m Lg.) Optional - Conveyor (16" x 22' Lg.) (0.41m x 6.7 m Lg.) Optional - Hydraulic Assist	
Metering	- Ground Driven - Variable Rate (VRT) - GPS Compatible VRT	
Meter Shut Off	Standard	
Number Secondary Runs - Single Shoot	Optional - Topcon Monitor Optional - Topcon Monitor	
Number Secondary Runs - Double Shoot	21 to 90	
Number Secondary Runs - Triple Shoot	42 to 180	
Primary Hose - Diameter	Subject to availability	
Secondary Hose - Diameter	2 1/2" (6.4 cm)	
Walk Through Tank	Standard - 15/16" (2.4 cm) Optional - 1 1/4" (3.2 cm)	
Easy Clean Out System	Standard	
Meter Drive Options:	Standard (Ground Drive Only)	
-Second Clutch (For spot fertilizing on the go)	Standard	
Monitor - (Shaft Motion (4), Bin Level (4), Fan Speed (2), Acre Tally, Ground Speed)	Optional Seed Flow	
Work Switch (Mounted to Seeding Machine)	Optional	
Mechanical Acre Meter	Optional (Ground Drive Only)	

Tank Capacity							
Model	Front Tank	Middle Tank	Rear Tank	Fourth Tank	Standard Two Tank Capacity	Optional Three Tank Capacity	Optional Four Tank Capacity
8300	Optional 83 bu 103 cu ft 2,938 litres	117 bu 145 cu ft 4,126 litres	186 bu 232 cu ft 6,564 litre	N/A	303 bu 377 cu ft 10,690 litres 39/61 Split	386 bu 480 cu ft 13,628 litres 22/30/48 Split	N/A
8370	Optional 83 bu 103 cu ft 2,938 litres	174 bu 218 cu ft 6,184 litres	186 bu 232 cu ft 6,537 litres	N/A	360 bu 450 cu ft 12,721 litres 48/52 Split	443 bu 553 cu ft 15,659 litres 19/39/42 Split	N/A
8435	N/A	203 bu 252 cu ft 7,154 litres	232 bu 288 cu ft 8,175 litres	N/A	540 cu ft 15,329 litres 47/53 Split	N/A	N/A
8630	190 bu 236 cu ft 6,695 litres	203 bu 252 cu ft 7,154 litres	232 bu 288 cu ft 8,175 litres	N/A	N/A	629 bu 781 cu ft 22,165 litres 31/32/37 Split	N/A
8650	190 bu 236 cu ft 6,695 litres	203 bu 252 cu ft 7,154 litres	232 bu 288 cu ft 8,175 litres	28 bu 35 cu ft 987 litres	N/A	N/A	653 bu 812 cu ft 23,011 litres 29/31/36/4 Split

Tire Specifications						
Tire	Style	Rating	Pressure			
			8240 BH 8300 BH 8336 BH	8300 BT 8336 BT 8370 8425	BH 8435 8630 8650	BT 8435 8630 8650
500/70 R24	Lug	LI 157	20 psi	25 psi	-	-
28LR26	Lug	165 A8	-	-	18 psi	-
480/70R30 Quad Steer	Lug	LI 152	26 psi	26 psi	-	-
800/65 R32	Lug	LI 172	15 psi	20 psi	-	-
800/65 R32 Dual Wheels	Lug	LI 172	-	-	-	20 psi
900/60 R32	Lug	176 A8	17 psi	17 psi	26 psi	-
520/85 R38 Dual Wheels	Lug	155 A8	-	-	20 psi	-

*BH - Tow Behind only

*BT - Tow Between only



On the tow-between 8650 model the forward axle design provides better weight distribution, lower hitch weight and a tighter turning radius. High floatation, heavy duty dual 800 tires ensures excellent carrying capacity and reduces soil compaction.

EIGHT Series XL Precision Air Carts



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The policy of MORRIS INDUSTRIES LTD. is one of continuing improvement; therefore, the company reserves the right to change any specification without notice.



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More capacity, precise metering and proven distribution – whether you are changing product or setting rates, the clean design and operation of the EIGHT Series XL Air Cart lets you get on with the task at hand.



A spacious catwalk design provides safe, convenient access to all tanks at once. Sure grip ladders on both sides fold up out of the way when not in use.

The walk-through tank design creates a firm standing platform with fill lids at waist level. You'll feel secure and not place any unnecessary strain on your back.



Larger tank openings feature screens (standard) to prevent debris getting into the tanks when filling.



Optional conveyor for 8435, 8630 and 8650 models features a fast 60 bushel per minute loading time with hydraulic remote for convenient one-person operation and requires no clean-out.



A 10" orbital drive auger is double hinged for exceptional balance and manoeuvrability. Alignment pins lock the auger for extra stability. Top auger lighting is standard.



An industrial piston-type hydraulic motor powers a 17" diameter forward curved fan that is 98% efficient. The larger hydraulic lines decrease flow restrictions for less heat build-up under higher fan speeds. A dual fan option for large width seeding tools is available.



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

EIGHT SERIES XL - PRECISION METERING AND DISTRIBUTION

As your cropping practices change, the EIGHT Series XL adapts right along with you. Patented metering system allows quick and easy change over from single to double shoot. Simply slide the rod to divert product from one air stream into another air stream.



The spiral fluted metering wheel gently rolls a constant flow of product into the air stream, accurately metering grass, canola and other fine seed right up to larger pulse crops and everything in between. This unique design eliminates the need to change wheels and reduces the chance of seed damage and uneven metering.



All-in-one seed plates save time. One quick change lets you accurately meter fine, medium or coarse product.



Slide shut-offs on all three tanks provide access to the meter components without having to empty product from the tanks.



Remove the bottom panel to allow product to flow past the collector directly into the hopper for a quick and simple clean out.



Patented Flat Fan Divider Heads maintain the smooth horizontal flow of product as it leaves the primary runs to divide into each secondary run. The abrupt directional changes, common to vertical divider head systems, are eliminated. This results in an accurate and efficient air delivery system that is exceptionally gentle on your seed. Germination, growth and vigor are protected.