EIGHT Series XL precision air carts - more capacity, more features

8630 EIGHT Series XL with quad steer.

EIGHT Series XL complete with liquid tank option.

- Tank sizes: 8,730 L (240 bu.) to 15,239 L (630 bu.) Tow between & tow behind configurations
- Overall width: 3.78 m
- Overall height: 4.6 m

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

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

Patented flat fan divider heads maintain the smooth horizontal flow of product as it leaves the primary runs to divide into the secondary runs. The abrupt directional change common to vertical divider heads is eliminated. Outlets on the Flat Fan Divider are matched with metering wheel width for superior overall metering accuracy.

All models are equipped with a 25.4 cm (10") auger for a fast fill.

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

Spiral fluted metering wheels gently roll product into the air stream, accurately metering fine to coarse seed and fertilizer.

7000 Series air carts - field proven, easy to use

2-3 Meter Controlled Traffic Air Carts

- Tank sizes: 6,550 L (180 bu) to 10,910 L (300 bu).
- Tow between & tow behind configurations.
- Loading auger: 17.8 cm (7") on 7180 models 20.3 cm (8") on 7240 & 7300 models.

Spiral fluted metering wheels move the product smoothly into the air stream.

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 ensures precise product rates at all times.

The high efficiency air system design and 13" diameter fan provide a low horsepower draw from the tractor hydraulics.

- 7000 Air Carts feature walk through tank design.
- Very accurate seed & fertilizer calibration.
- Single, double shoot capability.
- High efficiency fan.

Morris Concept 2000
Specifications and Options

Base Model	Ext'd Model	Working Width 12" 30.5 cm	Working Width 10" 25.4 cm	Working Width 9" 22.9 cm	Number of Shanks 12" 30.5 cm	Number of Shanks 10" 25.4 cm	Number of Shanks 9" 22.9 cm	Transport Width	Transport Height 12" 30.5 cm	Transport Height 10" 25.4 cm	Transport Height 9" 22.9 cm	Weight with 755 LH Trip 12" 30.5 cm	Weight with 755 LH Trip 10" 25.4 cm	Weight with 755 LH Trip 9" 22.9 cm
3 Section: Regular Transport														
23' 7 m		23' 7.01 m	**24' 7.31 m**	23.5' 7.16 m	23	29	31	17' 7" 5.36 m	11' 3.35 m	11' 7" 3.53 m	11' 1" 3.38 m	11,575 lb 5,261 kg	12,665 lb 5,757 kg	12,305 lb 5,593 kg
	25' 7.62 m	25' 7.62 m	**26' 7.92 m**	25' 7.62 m	25	31	33	17' 7" 5.36 m	12' 3.66 m	12' 5" 3.78 m	11' 10" 3.61 m	12,045 lb 5,475 kg	13,190 lb 5,995kg	12,775 lb 5,807kg
29' 8.8 m		29' 8.84 m	**31' 9.45 m**	29.5' 8.99 m	29	37	39	17' 6" 5.33 m	14' 4.27 m	14' 8" 4.47 m	14' 4.27 m	13,180 lb 5,991 kg	13,945 lb 6,339 kg	14,110 lb 6,414 kg
	31' 9.45 m	31' 9.45 m	**32.5' 9.91 m**	31' 9.45 m	31	39	41	17' 6" 5.33 m	14' 10" 4.52 m	15' 6" 4.72 m	14' 10" 4.52 m	13,650 lb 6,205 kg	14,470 lb 6,577 kg	14,580 lb 6,627 kg
	33' 10.06 m	33' 10.06 m	**34' 10.36 m**	32.5' 9.91 m	33	41	43	17' 6" 5.33 m	15' 10" 4.83 m	16' 4" 4.98 m	15' 7" 4.75 m	14,230 lb 6,468 kg	15,095 lb 6,861 kg	15,155 lb 6,889 kg
3 Section: Wide Transport														
32' 9.75 m		32' 9.75 m	**34' 10.36 m**	32.5' 9.91 m	32	41	43	20' 6" 6.25 m	14' 4.27 m	14' 8" 4.47 m	14' 4.27 m	14,060 lb 6,391 kg	14,910 lb 6,777 kg	15,030 lb 6,832kg
	34' 10.36 m	34' 10.36 m	**36' 10.97 m**	34' 10.36 m	34	43	45	20' 6" 6.25 m	14' 10" 4.52 m	15' 6" 4.72 m	14' 10" 4.52 m	14,530 lb 6,605 kg	15,435 lb 7,016 kg	15,500 lb 7,045kg
	36' 10.97 m	36' 10.97 m	**37.5' 11.43 m**	35.5' 10.82 m	36	45	47	20' 6" 6.25 m	15' 10" 4.83 m	16' 4" 4.98 m	15' 7" 4.75 m	15,110 lb 6,868 kg	16,060 lb 7,300 kg	16,075 lb 7,307 kg
38' 11.58 m		38' 11.58 m	**41' 12.50 m**	38.5' 11.73 m	38	49	51	20' 2" 6.15 m	17' 5.18 m	18' 1" 5.51 m	17' 5.18 m	15,190 lb 6,905 kg	16,185 lb 7,357 kg	16,335 lb 7,425 kg
	40' 12.19 m	40' 12.19 m	**42.5' 12.95 m**	40' 12.19 m	40	51	53	20' 2" 6.15 m	17' 8" 5.38 m	18' 11" 5.77 m	17' 8" 5.38 m	15,660 lb 7,118 kg	16,710 lb 7,595 kg	16,805 lb 7,639 kg
	42' 12.80 m	42' 12.80 m	**44' 13.41 m**	41.5' 12.65 m	42	53	55	20' 2" 6.15 m	18' 8" 5.69 m	19' 9" 6.02 m	18' 5" 5.61 m	16,240 lb 7,382 kg	17,335 lb 7,880 kg	17,380 lb 7,900 kg
5 Section														
50 15.24 m		50' 15.24 m	**54' 16.46 m**	50.5' 15.39 m	50	65	67	23' 3" 7.09 m	18' 8" 5.69 m	19' 5" 5.92 m	18' 5" 5.61 m	22,855 lb 10,389 kg	24,385 lb 11,084 kg	24,435 lb 11,107 kg
	52' 15.85 m	52' 15.85 m	**56' 17.07 m**	52' 15.85 m	52	67	69	23' 3" 7.09 m	18' 8" 5.69 m	19' 5" 5.92 m	18' 5" 5.61 m	23,325 lb 10,602 kg	24,910 lb 11,323 kg	24,905 lb 11,320 kg
56 17.07 m		56' 17.07 m	**61' 18.59 m**	56.5' 17.22 m	56	73	75	24' 3" 7.39 m	18' 8" 5.69 m	19' 5" 5.92 m	18' 5" 5.61 m	23,425 lb 10,648 kg	25,180 lb 11,445 kg	25,150 lb 11,432 kg
	58' 17.68 m	58' 17.68 m	**62.5 19.05 m**	58' 17.68 m	58	75	77	24' 3" 7.39 m	18' 8" 5.69 m	19' 5" 5.92 m	18' 5" 5.61 m	23,895 lb 10,861 kg	25,705 lb 11,684 kg	25,620 lb 11,645 kg
60 18.29 m		60' 18.29 m	**64' 19.51 m**	59.5' 18.14 m	60	77	79	24' 3" 7.39 m	18' 8" 5.69 m	19' 5" 5.92 m	18' 5" 5.61 m	24,475 lb 11,125 kg	26,330 lb 11,968 kg	26,195 lb 11,907 kg

Trip Mechanism	**400 Spring Cushion**	1" (2.54 cm) x 2" (5.1 cm) Shank with 1-3/4" (4.4 cm) Centres fits 47 Degree tillage tools. 27" (68.6 cm) Sweep to Frame Clearance. Trip Force 400 lb (180 kg). Available on 9" (22.9 cm) and 10" (25.4 cm) spacing.
	550 Spring Cushion	1" (2.54 cm) x 2" (5.1 cm) Shank with 1-3/4" (4.4 cm) Centres fits 47 Degree tillage tools. 27" (68.6 cm) Sweep to Frame Clearance. Trip Force 550 lb (248 kg). Available on 9" (22.9 cm), 10" (25.4 cm) and 12" (30.5 cm) spacing.
	755 LH Automatic Trip	1-1/4" (3.18 cm) x 2" (5.1 cm) Shank with 2-1/4" (5.72 cm) Centres fits 50 Degree tillage tools. 30" (76.2 cm) sweep to Frame Clearance. Trip Force 750 lb (340 kg). Available on 9" (22.9 cm), 10" (25.4 cm) and 12" (30.5 cm) spacing.
	Hydraulic Trip	1-1/4" (3.18 cm) x 2" (5.1 cm) Shank with 2-1/4" (5.72 cm) Centres fits 50 Degree tillage tools. 30" (76.2 cm) sweep to Frame Clearance. Trip Force adjustable 150 - 700 lbs (68 kg - 318 kg). Available on 9" (22.9 cm), 10" (25.4 cm) and 12" (30.5 cm) spacing.
Overall Length	26' (7.93 m) on all Models	
Frame Depth	102" (2.59 m) on all Models	
Rows	4 Rows on all Models	
Standard	Safety Lights, Safety Chain	
Options	Mud Scrapers, Mounted Packers, and Mounted Harrows	

FRAME CONFIGURATIONS

Base Model	Ext'd Model	Main Frame 12' 3.66 m	Main Frame 15' 4.57 m	Inner Wings 6' 1.83 m	Inner Wings 9' 2.74 m	Inner Wings 12' 3.66 m	Outer Wings 6' 1.83 m	Outer Wings 9' 2.74 m	Extensions 2 Shank	Extensions 4 Shank	Tires See Below
23 7 m											I
	25 7.62 m										I
29 8.8 m											II
	31 9.45 m										II
	33 10.06 m										II
32 9.75 m											II
	34 10.36 m										II
	36 10.97 m										II
38 11.58 m											II
	40 12.19 m										II
	42 12.80 m										II
50 15.24 m											III
	52 15.85 m										III
56 17.07 m											III
	58 17.68 m										III
	60 18.29 m										III

TIRE CONFIGURATIONS - OPTIONAL

Tire - I	Main Frame	(4) 9.5L x 15FI Load Range D
	Wing Frame	(2 per frame) 9.5L x 15FI Load Range D
	Main Gauge Wheel	(2) 9.5L x 15FI Load Range D
	Wing Gauge Wheel	(1 per frame) 9.5L x 15FI Load Range D
Tire - II	Main Frame	(4) 11L x 15FI Load Range D
	Wing Frame	(2 per frame) 9.5L x 15FI Load Range D
	Main Gauge Wheel	(2) 11L x 15FI Load Range D
	Wing Gauge Wheel	(1 per frame) 11L x 15FI Load Range D
Tire - III	Main Frame	(4) 11L x 15FI Load Range F
	Wing Frame	(2 per frame) 9.5L x 15FI Load Range D
	Main Gauge Wheel	(2) 11L x 15FI Load Range F
	Wing Gauge Wheel	(1 per frame) 11L x 15FI Load Range D

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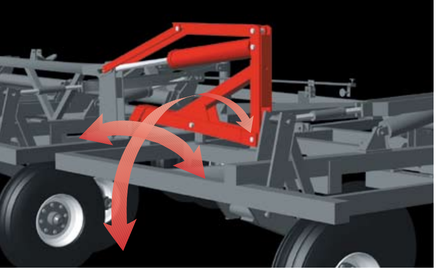
Concept 2000 ®

Air Seeding & Tillage System

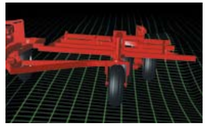


Flexibility and contourability is a trademark of Morris' floating frame design featuring independent wing sections. Floating frame sections, with a tricycle suspension and patented frame coupling assures flexibility while easing the stress on the frame member joints. This allows the frames to adjust to and follow the contours of the land. (Because of the unique floating frame design Morris does not recommend the use of mechanical end markers).

The tricycle suspension is created through three support points on each frame. A dual castor centered between the walking beam axles give the tricycle suspension for the mainframe. Similarly, the centered gauge wheel, walking beam axle and ball joint pivots maintain the three point support on the wing frames.

Independent hitch trusses are used to pull the frames. Stress induced by the trips is evenly distributed across the hitching, greatly extending the service life of the machine.

Universal Ball Joint



Floating frame design features independent wing sections.

The Concept 2000 dual purpose system proves invaluable to farming operations worldwide. *Whether you require a heavy duty chisel plow to till soil, cut through residue, and leave an exceptional field finish or the accuracy of a precision air seeding system, the Concept 2000 offers the best of both worlds.*

A standard feature of the Concept 2000 is the hydraulic and mechanical depth control system for seeding and tillage operations.

This feature makes it easy to set machine depth with a convenient single point adjustment. The Hydraulic depth stop valves ensure consistent working depth by isolating the implement's hydraulics from the tractor in tillage operations. It is recommended that the mechanical depth stops are used when seeding.

The Concept 2000's parallel lift depth control system keeps the machine level from front to back, providing superior contouring for consistent seed depth. The system provides excellent ground transport.

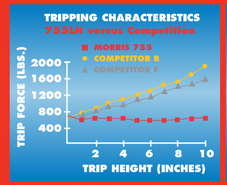
A unique lifting linkage raises the front tire on the wing walking axles when turning on headlands.

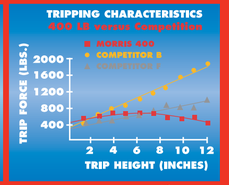
Lifting linkage prevents gouging and ridging for a smoother field finish.

The Concept 2000 keeps you at work in the most demanding trash conditions. The four row Z trip pattern allows trash to flow freely through the machine. To improve trash clearance capabilities, the spacing between ranks increases from 68.6 cm (27") between the first and second rows to 78.7 cm (31") between the second and third, and to 101.6 cm (40") between the third and fourth. In combination with the short contour length of the machine and the extra high ground clearance provided by the trip assembly, the increase in distance between ranks from front to back provides superior performance in heavy trash conditions.

The Concept 2000 features three trip assembly options
- the 755LH 340 kg (750 lb) trip, 250 kg (550 lb) and the 186 kg (400 lb) trip. All Morris trips accept a variety of Morris seed and fertilizer boots, as well as other standard sweeps and spikes.

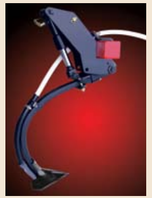
The 755LH trip combines the best features of spring cushion and over center trip assemblies. The trip is maintenance-free, requiring no greasing. The shank is held rigid in its home position. Rotational movement of the pivot points is limited, resulting in minimal wear on the bushings.





The unique tripping characteristic reduces stress on the trip components and frame members.

The new Morris 250 kg (550 lb) trip features a 2.54 cm (1") shank for extra durability.



Hydraulic tyne option –
Trip out pressure can be increased or decreased on the go.

Adjustable trip out force – during hard pulling, trip out can be set higher to avoid unnecessary tripping. In rocky or obstacle laden fields, trip out force can be reduced in order to clear large solid obstacles.

Higher durability – recoil is much softer with the hydraulic trip.

Hydraulic pressure control – to clear obstacles in the field, the farmer can operate the tractor remote to decrease the system pressure, and then increase the pressure back to the pre-set operating pressure once the obstacles have been cleared. A ball valve can be used to isolate the accumulator circuit once the pressure has been set. In this configuration trip out force remains set at one point, and can not be changed from the tractor.

The new Hydraulic tyne can be locked up for both storage & and spacing. For example, lock out every second tyne for summer cropping practices (allows farmers with 38 cm (15") spacing to summer crop on 76 cm (30") spacing).

The Concept has one of the shortest contour lengths in the industry - only 2.4 m (96") and a true floating hitch to maintain consistent seeding or tilling depth over sharp knolls, hills and draws.

The walking beam axles, placed near the rear of the frame, add another advantage. Even in the most challenging conditions, the machine follows the terrain maintaining uniform depth across the entire machine. Optional mud scrapers are available for the inner tires to aid in wetter conditions.

Single point safety latch.

A 30.5 cm (12") sweep to ground clearance in transport makes it easier to travel over high crowned roads. This clearance also provides access when changing openers.

Weight is transferred to the front of the machine in transport position. This provides greater stability, even with the mounted packer or harrow option.

Precision seeding system doubles as heavy duty chisel plow

Dual Purpose Concept 2000 Seeding & Tillage System

Paired Row S25962 "C" Shank
Paired Row Dual Shoot Opener fits shanks with a 4.4 cm (1 3/4") or 5.7 cm (2 1/4") hole spacing. Replaceable chrome tip, with an optional carbide point is adjustable for wear and fertilizer placement. The fertilizer depth is adjustable to 2, 3.8, or 5.7 cm (3/4", 1 1/2", 2 1/4") below the seed rows ensuring separation. Seed is placed in two rows 7.6 cm (3") apart. Seed spread is approximately 2.5 cm (1"). Use in all soil conditions and with 8.9 cm (3 1/2") mounted packer wheels.

N20886 - 22.8 cm (9") spacing
N20885 - 30.5 cm (12") spacing
Cast boot adaptable to 22.8 cm (9") or 30.5 cm (12") spacing simply by exchanging a splitter that mounts behind the boot. General broadcast pattern. Seed spread is approximately 10.2 cm to 12.7 cm (4-5").

N10572
Seeding/banding boot can be used on all spacings offered. Excellent for banding fertilizer as the spread is very small approximately 5 cm (2") to 7.6 cm (3"), reducing nitrogen losses.

N10988
For 30.5 cm (12") spacing but can be used on 22.8 cm (9") and 25.4 cm (10") spacing if 30.5 cm (12") sweeps are installed. The seed is placed in a broadcast pattern with little row definition for excellent swath support. Seed spread is approximately 10.2 cm to 12.7 cm (4-5").

N22816
Can be used on all spacings offered and can be used for seeding or banding. Provides approximately 11.4 cm (4 1/2") seed spread directly behind the shank.

N41575
Can be used on all spacings offered and can be used for seeding or banding. Provides approximately 7.6 cm (3") to 10.2 cm (4") seed spread directly behind the shank. Features an upper steel tube for better durability.

Carbide Point Option The Carbide Point is designed to enhance the Morris Gumbo Boot Kits (S25962). The Carbide Point's durability will increase the number of acres between point replacement, resulting in less down time and increased productivity during the critical seeding season. Less wear also ensures consistency of depth control.
Anhydrous Option The application of anhydrous or liquid fertilizer is available with Morris double shoot openers. On conventional "C" shank openers the 1.27 cm (1/2") poly tube inserts down the standard fertilizer tube providing a positive seal. Safe levels of actual nitrogen will vary with soil conditions at the time of application. Consult your local agronomist for recommended levels in your area.

Note: For optimum placement and minimum soil disturbance, seeding speed should not exceed 5 m.p.h. Soil moisture levels and soil types may affect opener operation.

A mounted harrow option provides extra soil levelling for a smoother field finish.

Universal Arm with quick detach pin for changing packers and harrows.

A Mounted packer option for on-row packing ensures excellent seed to soil contact.