

Farm King

GRAIN HANDLING

Grain Augers | Utility Augers | Unloading Augers | Grain Cleaners | Grain Vac





Farm King grain handling equipment is backed by many decades of quality built products for just about every agricultural application. Transporting crops has never been easier than with the full line of Farm King grain augers, grain cleaners and grain vacs. These products are an industry leader because of their structural integrity and ease of use. Stop by your local dealer today and see how Farm King grain handling equipment can improve your bottom line.



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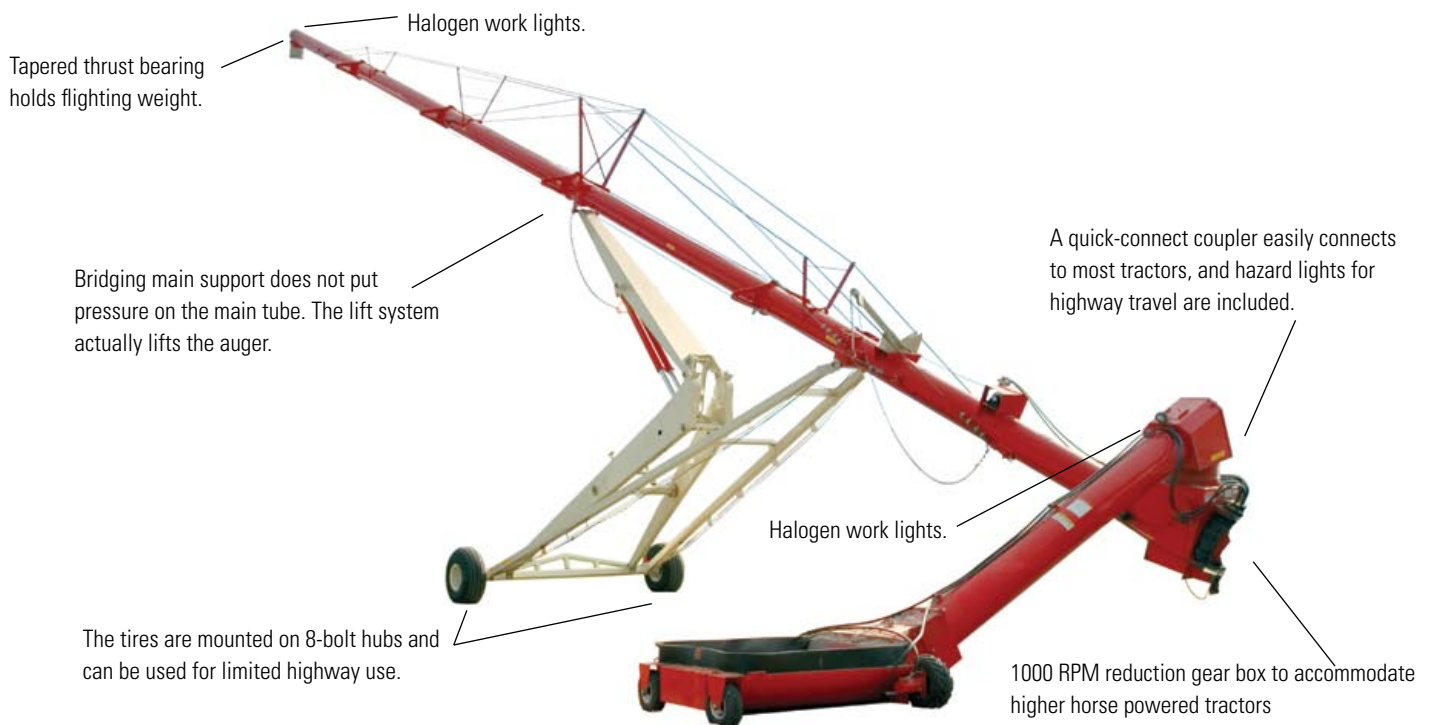
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The 16104 Farm King grain auger is designed by the people who know and understand your grain handling needs. The large 16" tubing by 104' length allow the operator to move large quantities of grain in short periods of time. Transporting the auger has never been easier with the 15' transport height. The 5" thick tubing and the 1/2" and 3/4" thick support cables ensure the auger tubing is fully supported at all times. Equipped with a 3" flighting shaft, the Farm King auger handles even the dampest crops with ease.





The dual flighting hopper and 16" tube means the 16104 backsaver auger is ideal for hopper bottom trailers. Fully lifted, the 16104 backsaver auger has a ground-to-spout height of 77', but drops to clearance height of less than 15' when in the lowered position.

PRODUCT OVERVIEW

- › Manufactured for high-capacity with heavy-duty construction
- › Full height of 77'
- › 175 hp required

FEATURES

- › Swing away auger with a self-leveling hopper
- › Hydraulic winch and hopper mover
- › Working and travel light kits
- › Square flighting connectors
- › Hydraulic mechanical linkage

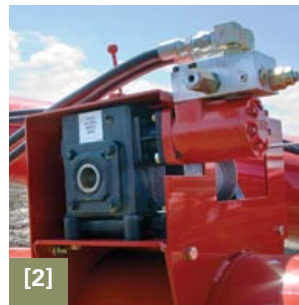
OPTIONS

- › 1 3/4" 20 spline PTO shaft



[1] The flighting on all Farm King augers is connected with square couplers.

[2, 3] Standard features on the 16104 model are the hydraulic winch [2] and the hydraulic hopper mover [3].



MODEL	16104
Size	16" x 104'
Tubing	Tubes #1 and #2: 10 gauge Tubes #3, #4, #5: 11 gauge
Flighting	1/4" on swing and main auger
Flighting shaft	3" diameter, 3/16" wall
Undercarriage	5" x 5" x 1/4" square tube
Lift arms	1/4" formed tubing
Bridging	Upper bridging - 3/4" cable Side bridging - 1/2" cable
Wheel and hubs	8 bolt hubs, 16.5 L x 16.1 x 10 ply
Hopper	Multi-flighting with hydraulic Power Mover
Hopper dimensions	48" x 60" x 13 1/2" tall
Self-leveling swing away auger	Standard
Hydraulic winch	Standard
Parking jack	Standard
Lighting	
- Working lights	Standard
- Travel safety lights	Standard

MODEL	16104
Clearance in down position	14' 10"
Below spout to ground @ maximum lift	77' 4"
Below spout to ground in down position	12' 5"
Reach - edge of wheels to center of spout, down position	57' 8"
Reach - edge of wheels to center of spout, 1/2 up position (44' 3" spt-grd)	52'
Reach - edge of wheels to center of spout, up position	36' 1"
Tube angle, up position	44°
Tube angle, down position	5°
Wheel track center to center	13' 1/2"
Wheel track outside of wheels	14' 5 1/2"
Hitch weight in down position	2,700 lb
Overall weight	13,000 lb
Tractor requirements	
- Minimum PTO horsepower (with 1000 RPM PTO)	175 hp
- Approximate hydraulic requirements for lift	1500 PSI



Self-Leveling

The self-leveling hopper on the swing-away auger will remain level regardless of auger height. The unique design allows the intake hopper to be loaded on uneven terrain. Increased flexibility relieves the hopper of unnecessary down pressure on all hopper parts.



Hydraulic Cylinders

Powered by two heavy-duty hydraulic cylinders, the unique scissor lift undercarriage is capable of holding the auger at a 44° angle when fully extended. With the cylinders completely compressed, the auger angle changes to 5° in transport mode.



Transport

Transporting the 16104 has never been easier than with the 15' transport height and standard road lighting kit. The 16.5L x 16.1 tires are rated for intermittent highway usage and come with 8-bolt rim design.



Adjustable Light

A lighting kit provides light where it is needed most when unloading after hours. One light, located on the swing-away auger, provides light to the hopper and truck unloading area. Another light on the end of the auger tube directs light in the direction of the auger spout. The high quality, flexible spout is standard.



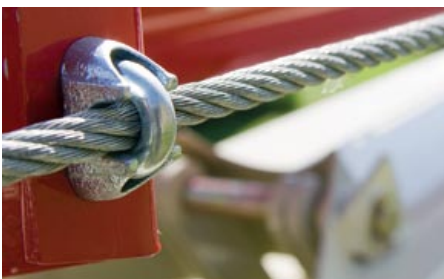
Hydraulic Controls

Using the auger-mounted hydraulic controls, the swing away auger can be lifted into position for transport and the hopper can be moved back and forth. This system removes most of the physical labor that was once required during grain handling.



Hydraulic Drive Wheels

Each 16104 Farm King auger comes standard with a hydraulically controlled intake hopper. By simply moving the hydraulic lever, the intake hopper can be moved into precise position under hopper bottom and end dump trucks.



Cables & Structural Design

The 1/2" and 3/4" cables create a bridge design to help maximize stability and even weight distribution. Cables can be tightened and loosened according to operator preference. With the auger reaching 104' in the air, stability and precise maneuverability is paramount when positioning the auger.



77' Height

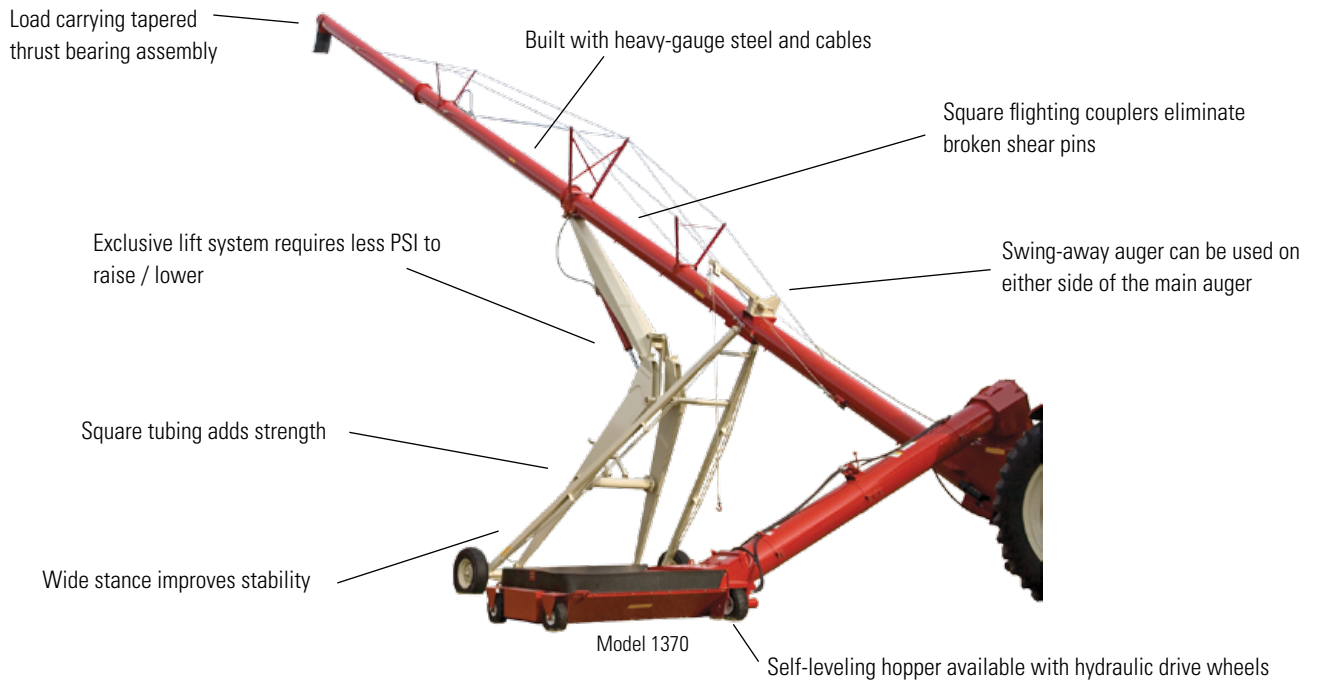
An unprecedented ground-to-spout height of 77' allows the Farm King 16104 to supply even the largest bins. With such a large reach, the 16104 is constructed with 5" x 5" thick steel tubing and a 14 1/2' outside wheel track assist in the stability and solid foundation during operation.

Backsaver Auger | 10" and 13" models



Model 1395

Farm King Backsaver Augers are practical, economical and dependable. That dependability has been a benchmark of Farm King Backsaver Augers for many decades. Auger tubing sizes are available in 10" or 13" diameters and lengths ranging from 50 to 95 feet. The 43 1/2" x 60" intake hopper invites large quantities of grain to be quickly moved up the auger and into the bin. Durable 11 gauge fighting is used on every 10" and 13" Farm King Backsaver model.





Model 1060

The scissor lift undercarriage, exclusive to Farm King Backsaver Augers, requires less hydraulic pressure to raise and lower the auger. The wide undercarriage is stable and solid while still meeting transportation requirements. When the auger is at the desired position, a shut-off valve on the underside of the tube limits the circulation of the hydraulics so the auger will maintain its height.

PRODUCT OVERVIEW

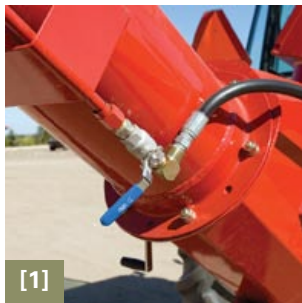
- › Manufactured for high-capacity with heavy-duty construction
- › Lengths of up to 95'
- › 40 to 100 PTO hp required

FEATURES

- › Flighting is connected with square couplers
- › Scissor lift undercarriage
- › Load carrying tapered thrust bearing

OPTIONS

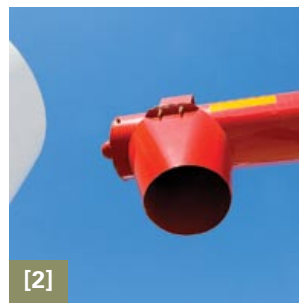
- › Hydraulic winch to lift the hopper into transport position
- › Hydraulic hopper mover
- › Dual flighting low-profile hopper



[1] Safety locking ball valve restricts hydraulic lines from losing pressure.

[2] Load carrying tapered thrust bearing supports the weight of the flighting with auger in upright operating position.

[3] Cleanout is simplified with an optional reverse kit and an underside access panel.



MODEL	1050	1060	1070	1080*	1370	1385	1395*
Size	10" x 50'	10" x 60'	10" x 70'	10" x 80'	13" x 70'	13" x 85'	13" x 95'
Tubing	Top sections and swing-away auger - 13 gauge; center & bottom section (all lengths) - 12 gauge				All sections 12 gauge		
Flighting	1/4" flighting in standard hopper and input box 7 gauge in multi flighting, in swing-away and main auger				1/4" flighting in swing-away and main auger		
Flighting shaft	11 gauge, 2 3/8" diameter				11 gauge, 2 3/8" diameter		
Undercarriage	3" x 3" x 1/8" square tube				70' - 3 1/2" x 3 1/2" x 3/16" square tube; 85' and 95' - 4" x 4" x 1/4" square tube		
Lift arms	2" x 5" x 3/16" tube				1/4" formed tubing upper, 7 gauge lower		
Bridging	3/8" cable on 50' and 60' models, 1/2" cable on 70' and 80' models				1/2" cable		
Wheels and hubs	15" with 5 bolt automotive type hubs and bearings				15" with 6 bolt automotive type hubs and bearings		
Swing auger drive	Two internal gearboxes (PTO driven), sprocket and chain				Two internal gearboxes (PTO driven), sprocket and chain		
Hopper dimensions	43 1/2" x 60"				43 1/2" x 60"		
Standard hopper height from ground*	15 1/4" at heel end, 14 1/4" at other end				16 3/4" at heel end, 16 1/4" at other end		
Multi flighting hopper height from ground*	11 3/4" at both ends				12 3/4" at both ends		
Tractor requirements - minimum PTO hp (with 540 RPM PTO) - approx. hydraulic requirements for lift	40 hp 1000 PSI	48 hp 1000 PSI	55 hp 1000 PSI	65 hp 1000 PSI	80 hp 1200 PSI	90 hp 1200 PSI	100 hp 1200 PSI
Hitch weight	-	-	840 lb	-	1140 lb	1270 lb	-
Weight	2545 lb	2987 lb	3354 lb	3622 lb	5175 lb	6381 lb	6683 lb

*not including rubber spill guard



Model 1060



Self-Leveling

The self-leveling hopper on the swing-away auger remains level even when the main auger is elevated to its maximum height. A single flighting hopper is standard, while the optional dual flighting low-profile hopper reduces hopper height by more than 2 1/2".



Swing-Away Auger

The swing-away auger can be positioned on the right side or left side of the auger, adding flexibility for yards with limited space or restricted access. An optional power mover uses two hydraulic motors that move the swing-away auger, limiting the physical labor required.



Flighting Couplers

The flighting on all Farm King augers is connected with square couplers. Broken shear bolts on augers with round couplers can only be replaced after the auger has been manually emptied. The square coupling in a Farm King auger allows the flighting to continue turning, minimizing downtime.



Gearboxes

Farm King Backsaver Augers feature two internal gearboxes for the intake auger assembly. Easy to maintain and service, these gearboxes do not restrict auger capacity.



Dual Action Spool Valve

The optional two spool valve allows for hydraulic operation of the intake hopper winch and the hopper mover while only using two remote valves. The hydraulic controls eliminate the need to operate the winch and intake hopper by hand.



Hydraulic Winch

An optional hydraulic winch easily lifts the hopper into place for transport. The lever and hydraulic valve are mounted to the main auger tube for easy access.

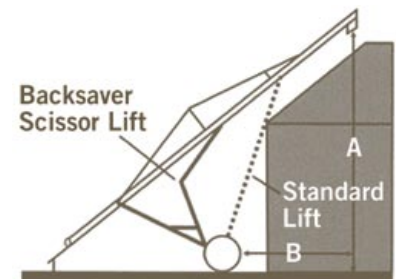


Hydraulic Hopper Mover

The hydraulic hopper mover option adds a powerful hydraulic motor to each of the inside wheels on the swing away hopper so the hopper can be positioned easily and with minimal effort. The control lever for the mover is mounted on the intake auger tube for easy access.

MODEL	1050	1060	1070	1080*	1370	1385	1395*
Wheel track	9'	10'	12'	12'	12'	12'	12'
A, height †							
- lowest	11' 2"	11' 3"	12' 6"	13' 6"	13' 7"	13' 8"	14' 8"
- half way	23' 6"	27' 6"	30' 3"	34' 3"	31' 9"	36' 6"	40' 6"
- highest	36'	43' 8"	48'	55'	50'	59' 6"	66' 4"
B, forward reach							
- lowest	26'	30' 3"	35' 8"	45' 7"	36' 11"	45' 4"	55' 4"
- half way	-	-	33' 5"	41' 10"	33'	39' 8"	48' 3"
- highest	18'	22' 3"	27' 10"	34' 9"	27' 5"	31' 10"	38' 9"

† All measurements taken with 18" hitch height. 'A' lowest is overall transport height, half way and highest are spout to ground measurements. *includes 10' extension.



Conventional Auger | 8", 10" and 13" models



Model 1041

The gearbox, featuring left- or right-side drive, is positioned to allow the auger to reach deeper into the bin. The ductile casting houses quality oil seals, ball bearings and casehardened, forged gears, meaning the auger runs smoothly and requires less power. 8", 10" and 13" models are available with an optional reverse shift gearbox. Double flighting intake has a brass bushing on all conventional auger intake guards. The narrow safety guard and removable clevis hitch improve access to bins with small auger ports. A storage bracket holds the clevis hitch when not in use.

The top drive uses #60 roller chain on most 8" models, while #80 roller chain is used on the 861, 10" and 13" models.

The top drive is housed in a sealed oil bath and features a chain-tightener.

Belt-drive engine models are equipped with a self-leveling motor mount and a self-tensioning belt system. Belt guards are included.

The wide stance of the undercarriage improves stability and is constructed using square tubes to enhance strength and durability.

Reliable safety clutch winches are included.

Several drive options are available, including direct PTO, belt-drive PTO, gas engine drive, and electric motor drive matched to a belt or direct drive.



Model 841



Model 846 w/auger mover

The sturdy lightweight assembly allows the conventional auger to be easily transported. The trailing swivel wheels can be raised hydraulically to allow for increased turning radius as well as smooth transitions over uneven terrain.

PRODUCT OVERVIEW

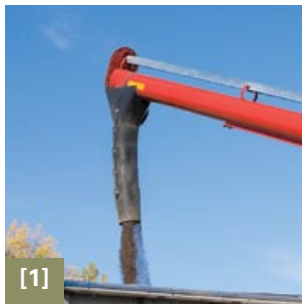
- › Manufactured for high-capacity with heavy-duty construction
- › Wide stance undercarriage
- › Lengths of up to 61'

FEATURES

- › 7 gauge flighting in 10" models
- › Heavy-duty reversible gearbox
- › Flighting is connected with square couplers

OPTIONS

- › Light kit which features a quick-connect coupler
- › Multiple drive options available
- › Poly spout and poly hopper



[1]

[1] Flexible poly spout for accurate bin filling.

[2] Hardened steel square tubing frame provides a solid foundation.

[3] Square flighting connector prevents undue stress on connection bolts.



[2]



[3]

MODEL	831	836	841	846	851	856	861	1031	1036	1041	1051	1061	1336
Tube width	8"							10"					13"
Tube length	31'	36'	41'	46'	51'	56'	61'	31'	36'	41'	51'	61'	36'
Wheel track	6' 0"	6' 6"	7' 6"	8' 2"	8' 2"	9' 9"	10' 2"	6' 0"	6' 6"	7' 8"	9' 9"	10' 2"	7' 5"
Belt drives	Double	Double	Double	Double	Double	N/A	N/A	Triple	Triple	Triple	Triple	N/A	Triple
Tube (gauge)													
- Top	14	14	14	14	14	14	14	14	13	13	13	13	12
- Center	-	-	-	-	-	-	14	-	-	-	-	12	-
- Bottom	-	14	14	14	14	14	14	-	12	12	12	12	12
Flighting	10 gauge							7 gauge					1/4"
Flighting shaft	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"
Drive line	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 1/2"
Gasoline hp (3450 RPM)	10 - 12	10 - 12	12 - 16	16 - 20	18 - 20	N/A	N/A	18	22	24	28	N/A	30
- Belt pulley	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	N/A	N/A	3 1/2"	3 1/2"	3 1/2"	3 1/2"	N/A	3 1/2"
Electric hp (1725 RPM)	9	10	12	14	15	15	15	15	17	18	20	20	22
- Belt pulley	6"	6"	6"	6"	6"	N/A	N/A	6"	6"	6"	6"	N/A	6"
- Direct pulley	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"



Undercarriage

The wide stance of the undercarriage improves stability and is constructed with square tubes to enhance strength and durability. In addition to being well balanced, the undercarriage features automotive-type hubs and bearings that improve ease of handling.



Intake

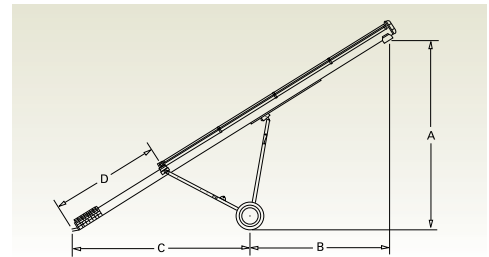
The double flighting intake increases grain flow. A narrow safety guard and removable clevis hitch improve access to bins with small auger ports.



Top Drive

The top drive is housed in a sealed oil bath and features a chain-tightener. The components in the sealed oil bath are resistant to heat, dust, debris and moisture, reducing maintenance and enhancing the longevity of the chain and sprockets.

AUGER MOVER	CONVENTIONAL AUGER SIZE
C502	8" x 46' and under
C503	8" x 51' and over
C504	10" x 41' and under
C505	10" x 51' and over
C506	13" x 36'



MODEL	831	836	841	846	851	856	861	1031	1036	1041	1051	1061	1336
A, up	16' 0"	18' 1"	28' 3"	31' 6"	35' 2"	39' 0"	42' 0"	16' 0"	16' 8"	28' 3"	35' 2"	42' 0"	19' 1"
A, down	8' 5"	10' 0"	12' 2"	13' 0"	13' 2"	13' 0"	13' 0"	8' 5"	9' 5"	10' 5"	12' 10"	13' 0"	9' 9"
B, up	11' 11"	14' 10"	13' 6"	14' 0"	15' 8"	18' 9"	21' 5"	11' 11"	13' 3"	13' 11"	16' 10"	21' 5"	13' 2"
B, down	13' 2"	14' 0"	18' 2"	20' 2"	22' 1"	26' 0"	29' 2"	13' 2"	13' 8"	18' 1"	22' 2"	29' 2"	14' 3"
C, up	14' 3"	16' 9"	15' 4"	17' 9"	20' 0"	20' 5"	23' 2"	14' 3"	17' 10"	15' 3"	19' 0"	23' 2"	16' 4"
C, down	16' 0"	19' 8"	21' 7"	23' 3"	26' 10"	28' 3"	30' 6"	16' 0"	20' 8"	21' 5"	26' 9"	30' 6"	19' 5"
D	8' 6"	12' 2"	12' 3"	12' 2"	14' 1"	5' 10"	6' 0"	8' 4"	12' 7"	11' 10"	14' 2"	6' 1"	10' 10"



Model 846

Auger Mover

The two-wheeled auger mover easily adapts to the entire line of Farm King conventional augers. The auger mover is constructed with the farmer in mind with easily accessible hydraulic controls, hydraulically adjustable auger height and sturdy frame construction.

The auger mover features two durable hydraulic motors to power the wheels, controlled by a user-friendly T-bar control.



[1] With a turn and a twist of the T-bar, the auger can be quickly moved into position. Instructions for the T-bar and levers are clearly depicted above the hand held controls for simple reference.



[2] Each drive wheel comes standard with an over center wheel locking mechanism to ensure that there is no further movement once the auger is in place. These drive wheels also include a single ring gear located on the inner rim. The hydraulic motor connects to the gear ring to avoid slippage when maneuvering the auger.



[3] Each auger mover is belt driven by the conventional auger motor. The heavy-duty motor operates the hydraulic pumps necessary to control every aspect of the mover. All mechanical parts can be easily located for quick, seamless maintenance.



[4] Each Farm King mover has a hydraulic lift to easily elevate the auger to the appropriate height. This feature eliminates the manual winch, reducing operator fatigue. The hydraulic lift design allows the auger to be placed precisely over the bin with minimal effort.



Single Person Operation

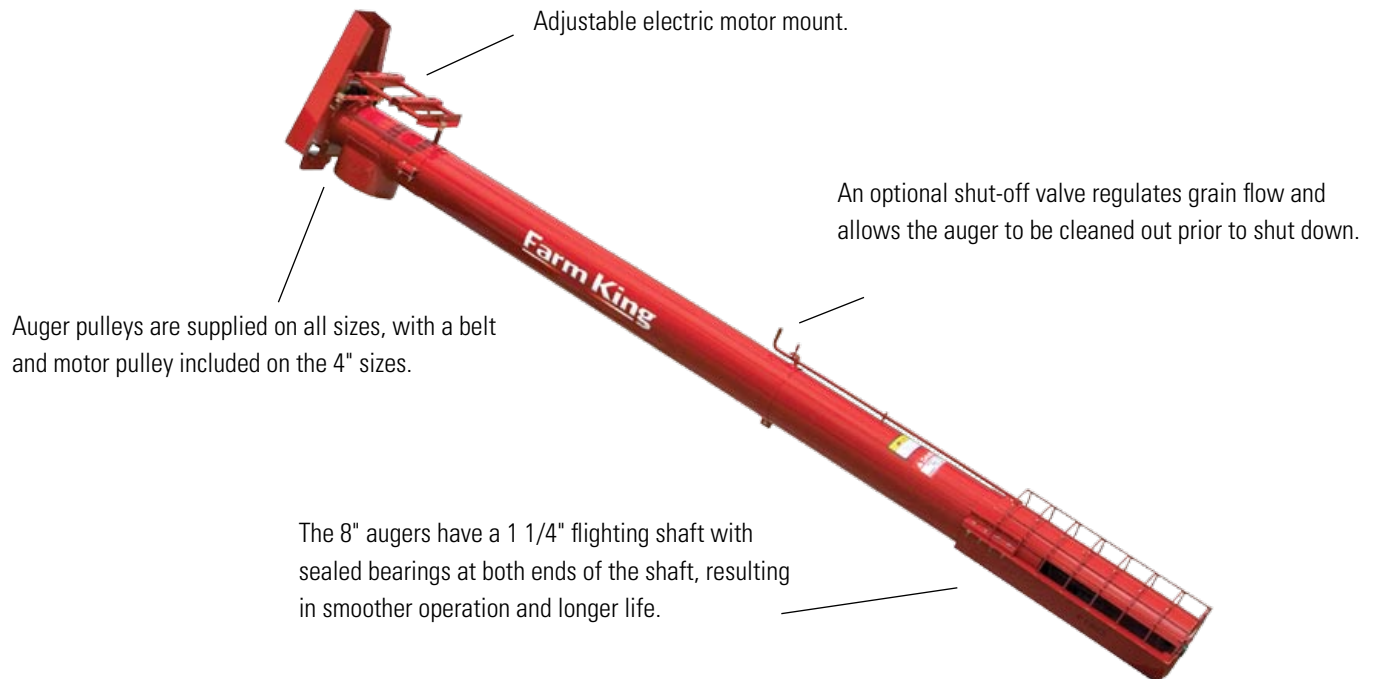
The T-bar is one of the most user-friendly auger control system on the market today. To operate the T-bar, simply, turn the handlebars in the desired direction, similar to a bicycle. Rocking the T-bar up or down, like a motorcycle throttle, powers the hydraulic motors to move the auger forward and backward. The controls are easy to use and one person can position the auger for loading or unloading, even in the snow or mud.

Two levers are conveniently positioned above the T-bar. One lever operates the hydraulic winch to adjust the height of the auger to match the height of the bin. The second lever controls the hydraulics that lift the trailing swivel wheels for transport.

Utility Auger | 4", 6" and 8"



Farm King manufactures a wide selection of utility augers, in tube widths ranging from 4" to 8", and in lengths of 11' to 23'. Various tubing lengths allow the customer to choose the exact sizing for their applications. The components are adaptable to suit various configuration and capacity requirements, and solid construction and heavy gauge tubing ensures extra durability and longevity.





A spider cage protects the intake flights and belt guards are standard on all augers.

PRODUCT OVERVIEW

- › 5' and 10' extensions
- › 10 or 12 gauge flighting
- › 3/4" or 1" sealed top bearing

FEATURES

- › Adjustable motor mounts
- › Auger pulleys are standard
- › The intake flights are protected by an intake guard

OPTIONS

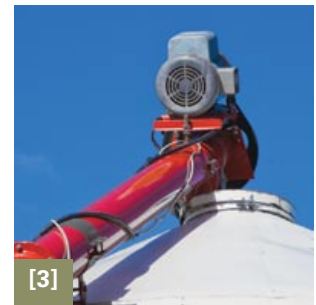
- › Poly hopper
- › Flow control



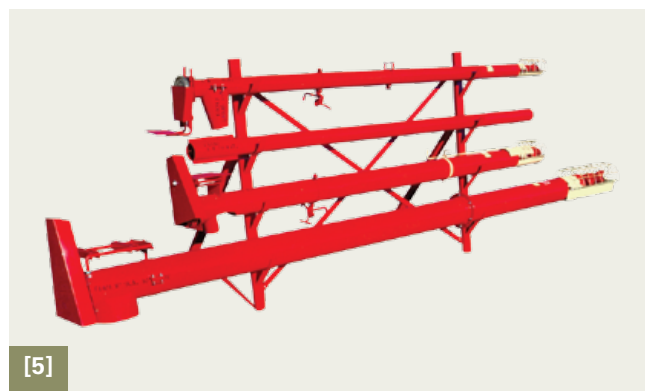
[1] The utility auger can be fastened to the grain cleaner to provide ease of transport and versatility.



[2, 3] Standard adjustable motor mounts mean that Farm King utility augers can be paired with various sizes and brands of electrical motors.



[4] The utility auger can be used for many different applications.



[5] Tube Extensions - Ten foot extensions are available on the 4" and 6" auger models. 5' or 10' extensions are available on 8" models. A heavy-duty flange and square coupler connect these tubing extensions.

AUGER SIZE	4"	6"	8"
Auger lengths	11' / 16' / 21'	11' / 16' / 21'	11'* / 16' / 23'*
Extension lengths	10'	10'	5', 10'
Power	½ - 1 hp	1 - 4 hp	3 - 10 hp
Auger tubing	16 gauge	16 gauge	14 gauge
Flighting	12 gauge	12 gauge	10 gauge

* Non-extendable



Convenient bin or truck unloading

Farm King unloading augers transfer grains and oilseeds much faster than conventional utility augers and reach where normal portable augers can't. The hopper of the unloading auger fits under hopper bottom bins and hopper trailers for fast and easy unloading.





Thorough cleaning is easy with the hinged cleanout gate in the bottom of the hopper, eliminating spoiled grain or rusting that can occur when grain is left sitting.

PRODUCT OVERVIEW

- › Transfers grain and oilseed faster
- › Handheld maneuverability
- › Reaches where normal portable augers can't

FEATURES

- › Rubber edging on hopper to minimize spillage
- › Even weight distribution

OPTIONS

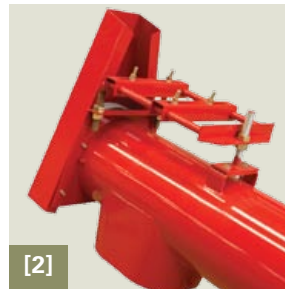
- › Hydraulic drive and electric drive available
- › Available in 8" and 10" models



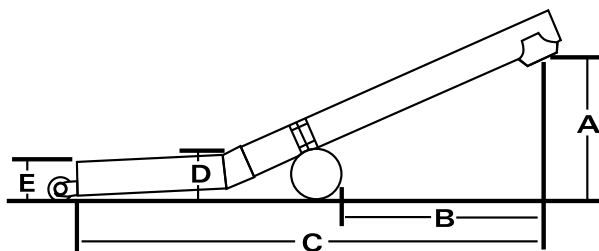
[1] Hydraulic drive with variable speed control.

[2] Motor mount for electric drive.

[3] 12" pulley for electric drive protected by safety shield.



MODEL	810H	810E	1010H	1010E
Tube width	8"	8"	10"	10"
Tube length	9'	9'	9'	9'
Drive type	Hydraulic	Electric motor	Hydraulic	Electric motor
Hydraulic requirements	12 gpm, 1200-1400 PSI	-	12 gpm, 1200-1400 PSI	-
Motor requirements	-	3 to 5 hp, 1725 RPM	-	3 to 5 hp, 1725 RPM
Auger tubing	16 gauge	16 gauge	16 gauge	16 gauge
Flighting	12 gauge	12 gauge	12 gauge	12 gauge
Weight	260 lb	270 lb	310 lb	320 lb

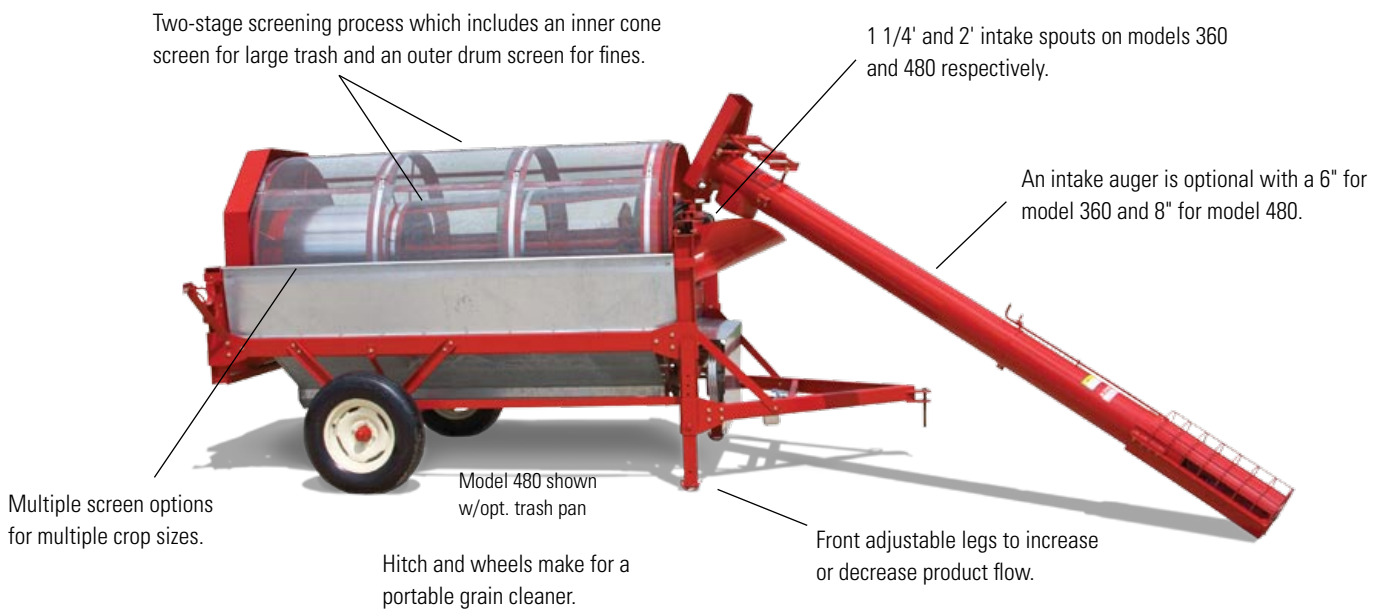


DRIVE	A (up)	A (down)	B (up)	B (down)	C (up)	C (down)	D (up)	D (down)	E
Hydraulic	44"	38"	65"	64"	149"	151"	15.5"	13.25"	12.5"
Electric motor	42"	35.5"	52"	52"	149"	151"	15.5"	13.25"	12.5"



Model 480 shown w/opt. trash pan

Farm King builds two grain cleaner models that are designed to separate the dockage from grain before it gets shipped or stored, increasing profit in a variety of ways. Dockage reduces bin storage capacity and increases shipping costs. Cleaned grain dries faster and screenings can be used as animal feed.





The cleaning process uses a two-stage screening process which includes an inner cone screen for large trash and an outer drum screen for fines. The screenings are discharged while cleaned grain is distributed through a built-in chute for convenient loading.

PRODUCT OVERVIEW

- › Separates the dockage from grain before shipping or storing
- › Powered by a 1 hp motor (model 360) or 3 hp motor (model 480)
- › Cleans up to 1000 bu/hr with the model 360 and up to 2500 bu/hr with the model 480.

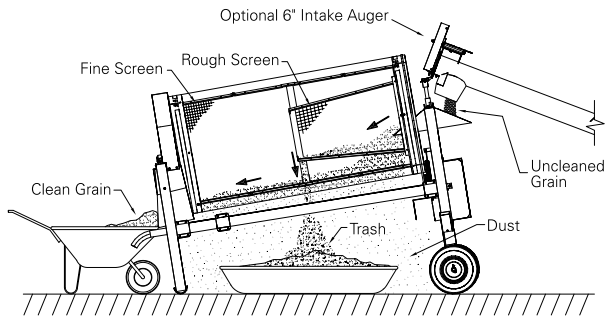
FEATURES

- › Two-stage screening process
- › Larger intake spouts for easy filling

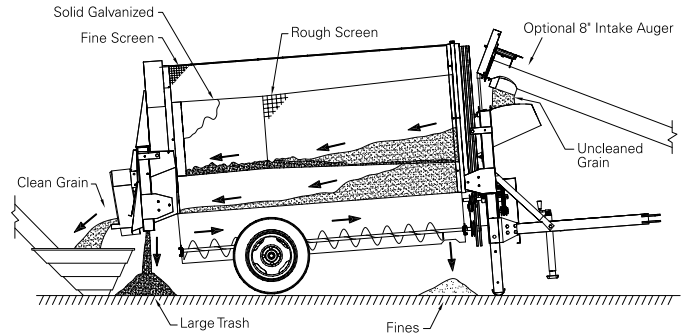
OPTIONS

- › Trash pan for collecting screenings is available on the 480
- › 6" intake auger on model 360; 8" intake auger on model 480
- › Multiple crop specific screen sizes are available

Model 360



Model 480



MODEL	360	480
Drum diameter	36"	48"
Drum length	73"	98"
Total length	97"	144"
Width (outside of tires)	55"	76"
Motor required (approx.)	1 hp	3 hp
Drive	Belt	Belt
Capacity	1000 bu/hr	2500 bu/hr
Weight	493 lb	1020 lb
Weight, w/trash pan	N/A	1253 lb
Trash pan	N/A	Optional
Intake auger (optional)	6"	8"

SCREENS*	INNER CONE	OUTSIDE DRUM
Corn	Small - 2 x 2 x 19 ga. Standard - 5/8 x 5/8 x 17 ga.	Standard - 4 x 4 x 23 ga.
Wheat	Standard - 4 x 4 x 23 ga. Large - 3 x 3 x 21 ga.	Standard - 8 x 8 x 27 ga. Large - 6 x 6 x 25 ga.
Sunflower	Standard - 2 x 2 x 19 ga. Large - 5/8 x 5/8 x 17 ga.	Small - 8 x 8 x 27 ga. Standard - 6 x 6 x 25 ga. Large - 5 x 5 x 24 ga.
Soybean	Small - 3 x 3 x 21 ga. Standard - 2 x 2 x 19 ga.	Small - 6 x 6 x 25 ga. Standard - 5 x 5 x 24 ga.
Milo	Small - 5 x 5 x 24 ga.; Standard - 4 x 4 x 23 ga. Large - 3 x 3 x 21 ga.	Standard - 8 x 8 x 27 ga. Large - 6 x 6 x 25
Flax	Small - 5 x 5 x 24 ga. Standard - 4 x 4 x 23 ga.	Standard - 10 x 10 x 29 ga.

*Recommended based on kernel size



Model 480 shown w/opt. trash pan

Model 360

The 360 can clean up to 1000 bushels per hour and the two-stage screening system ensures that most of the dockage is removed. The screenings are discharged onto the ground while cleaned grain is distributed through a built-in chute for convenient loading. The pulleys and adjustable mounts on the 360 are designed to fit most 1-horsepower motors. Lightweight and compact, the 360 is available with an optional 6" intake auger for easy loading.

Model 480

The higher capacity model 480 cleans up to 2500 bushels per hour, depending on moisture content and the amount of dockage. The two-stage screening process and large 48" diameter drum ensures the trash and fines are thoroughly removed from grain. Powered by a 3-horsepower motor, the 480 includes an optional removable intake auger and a hand-operated jack for in-field operation. Fines are separated from larger screenings and are unloaded from separate chutes. An optional trash pan is available for collecting screenings. 15" wheels and a full frame transport are included.



Precise Placement

The utility auger slide bar allows the auger to be placed in transport mode or positioned directly over the intake spout. Simply lift the pin and slide the auger into position then release the pin and the auger remains in fixed position.



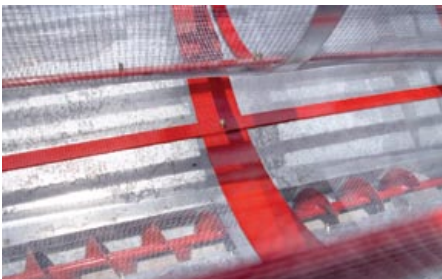
Intake Auger

An intake auger is optional on all models. A 6" utility auger is available for model 360 in lengths of 11', 16' and 21' with bolt-on spout and flow control. Model 480 has an 8" x 11' utility auger and comes with a weld on spout, 12" double pulley, intake guard and flow control.



Unloading Clean Grain

A large unloading chute located at the back of the grain cleaner transports the cleaned seed out of the drums and into the auger hopper. The unique design allows the large seed trash to fall to the ground.



Move Trash

An optional trash pan can be added to model 480 which collects the fines and with a built-in auger, moves the trash to one end of the cleaner. It is then loaded into a trash pan for easy cleanup.



Transport

The intake auger can be swiveled around to the side of the cleaner and securely attached for transport.

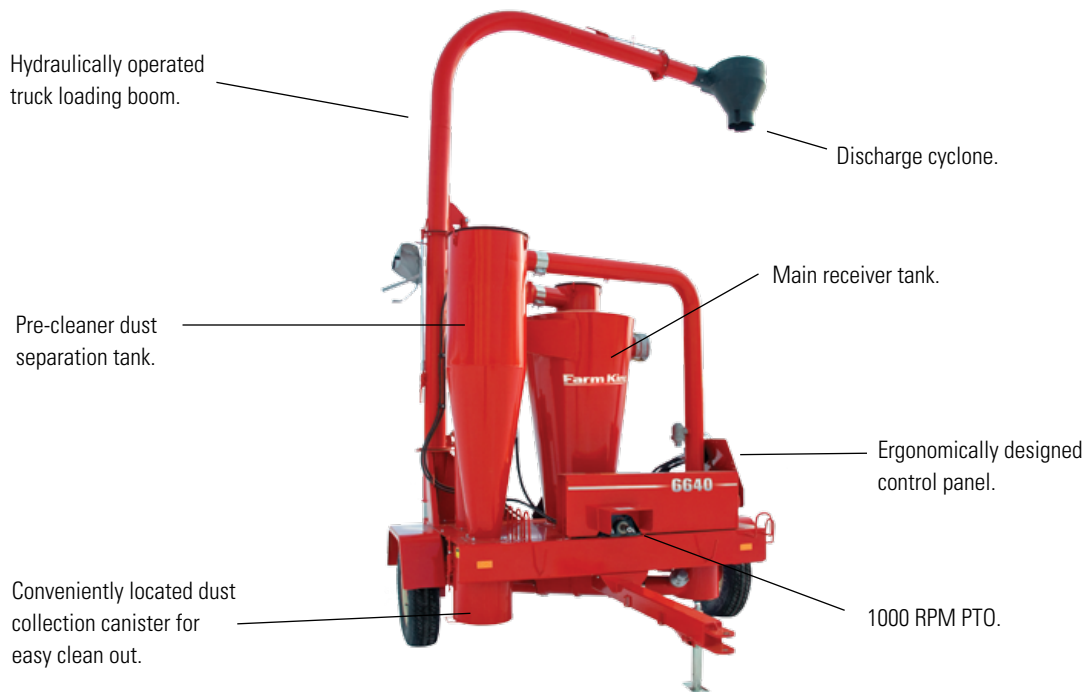


Jack

The jack is used both to hook up the cleaner for transport and to adjust the slope of the cleaner when in use.



The Farm King Grain Vac is an efficient way to transport grain from bin to truck, bin to bin, storage shed to truck and basic bin cleanup. The high vacuum suction carries the crop on a pillow of air and aids in cleaning out trash particles as the crop goes through the grain vac. The versatility of the grain vac hoses and cleanup wands allow the operator to access hard-to-reach areas for superior cleaning. The optional self-contained hydraulics allow the grain vac to be fully operational without using the hydraulic ports of the tractor.





Standard hose kit, suctions, nozzles and hydraulic boom all store on the unit for transport, making it easy for the operator to setup and begin using the machine.

MODEL	6640
Suction	6" (15.24 cm)
Discharge	6" (15.24 cm)
Length	99" (252 cm)
Width	93" (236 cm)
Transport height (standard boom)	98" (249 cm)
Boom discharge height (standard)*	12' (3.7 m)
PTO speed	1000 RPM
Recommended hp	110 hp
CAPACITIES †	
Soybeans	2800 - 3600 bu/hr
Wheat	3000 - 3800 bu/hr
Canola	3000 - 3700 bu/hr
Barley/Corn	3200 - 4000 bu/hr

* Tall boom available.

† Capacities are based on standard truck discharge height and standard intake hose length and size, using dry clean products. Can vary with conditions.

PRODUCT OVERVIEW

- › A simpler, safer and healthier way to move grain
- › 110 hp required

FEATURES

- › Quick connect couplers
- › Silencer
- › High capacity airlock and blower

OPTIONS

- › Self-contained hydraulics
- › Dual inlet receiver tank



[1]

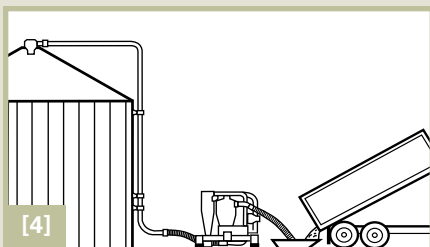


[2]



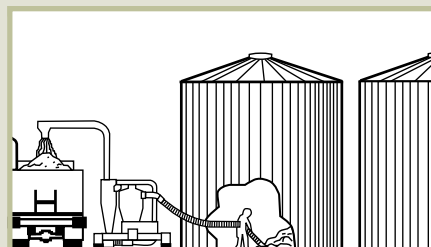
[3]

[1] Ease of operation - The self-storing boom is hydraulically put into position, eliminating the need for boom assembly. **[2]** The Farm King grain vac virtually eliminates dust in the air caused from moving grain making it a healthier, safer option. The low-profile cleanup wand is designed to reduce operator strain. **[3]** Move grain fast with capacities ranging from 2800 bushels per hour to 4000 bushels per hour depending upon grain. **[4]** Examples of how a grain vac can be used.

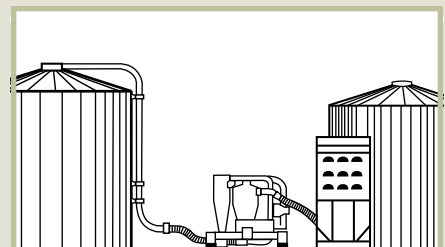


[4]

Truck to bin



Bin to truck



Bin to bin

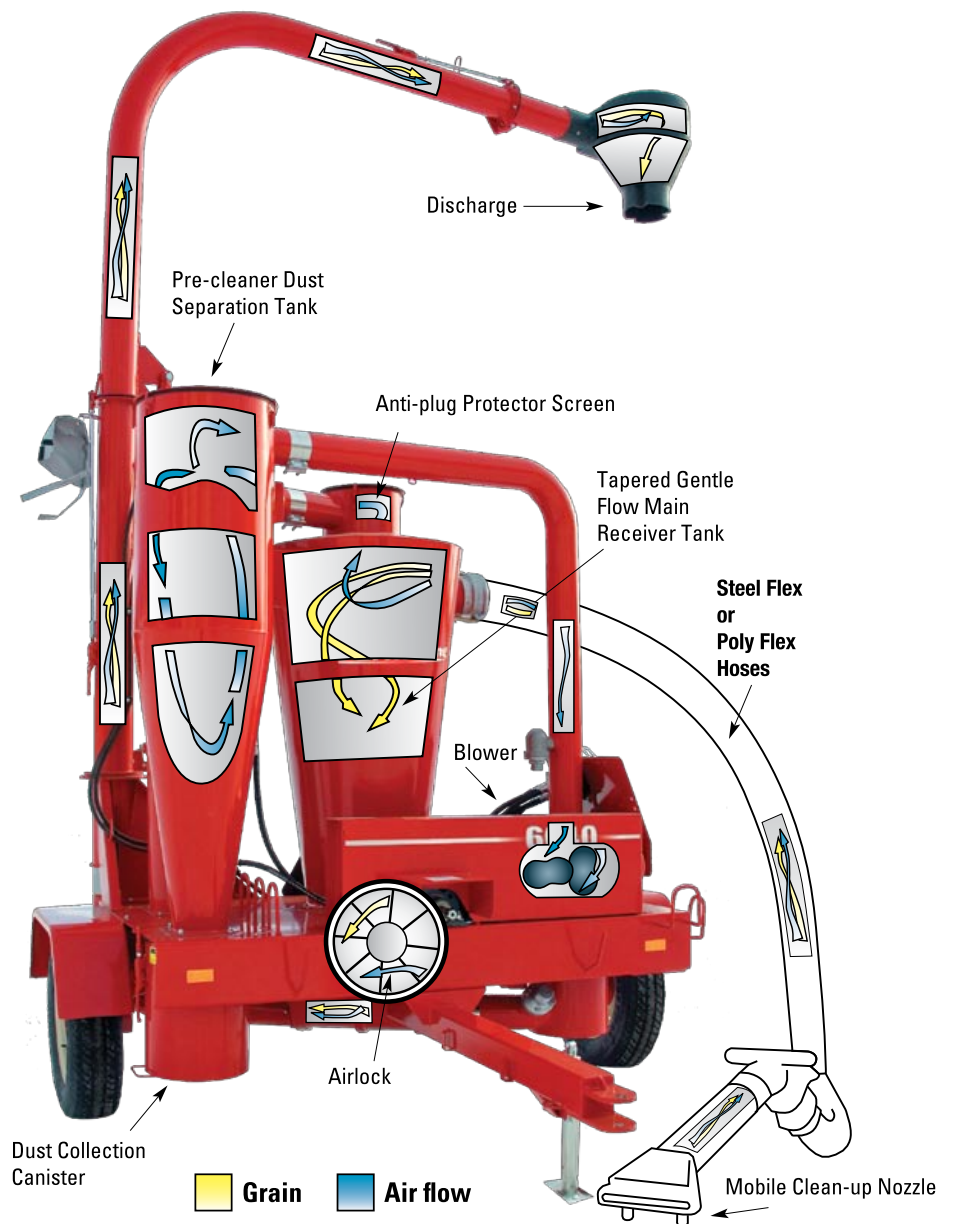
Grain is carried on a cushion of air

Grain is sucked into the grain vac and enters the main cyclone. Here the grain is separated from the air and deposited into the airlock. The air from the large cyclone then moves to the second cyclone removing dust similar to the grain being separated from the air in the large cyclone. The cleaner air then moves up and out of the cyclone and goes through the blower. The pressure from the bottom of the blower pushes through the airlock moving the grain out to your truck or bin.

Options

Available hoses and wands

- 6" x 10' Steel flex with couplers
- 6" x 3' Full bin nozzle with coupler
- 5" x 3' cleanup wand with coupler
- 5" x 14.5' Poly cleanup hose with couplers
- 6" x 3.5' Short stainless lined flex with couplers
- 5" x 14.5' Steel cleanup flex with couplers
- 5" x 2' New floor cleanup wand with coupler
- 6" x 5'-8' Telescope tube with couplers
- 6" x 10' Aluminum tube with couplers
- 6" x 20' Aluminum tube with couplers





Blower

The field proven Heavy-Duty 5.3 Positive Displacement Blower is the heart of the system. Castings are machined to strict tolerances to assure maximum efficiency that allows you to move grain a greater distance without using one or more expensive booster type systems.



Airlock

To achieve and maintain best performance, the airlock components are precision machined. The steel rotors are fitted with adjustable steel tips to allow the operator to keep the airlock working at peak performance at all times. The rotor is driven by a reversible, pressure protected, hydraulic motor.



Silencer

The high efficiency silencing system reduces noise intensity by over 50% with absolutely no reduction in machine capacity. Our unique silencing design provides greater operator comfort for years of satisfaction.



Dust Separation

Pre-Cleaner Dust Separation Tank - The heavy-duty positive displacement blower is protected from dust that is removed in the pre-cleaner tank, thereby, giving the blower years of trouble free performance.



Camlock Couplers

The quick connect couplers provide a tight fit to assure that maximum vacuum and pressure is maintained. The quick connect feature makes it easy to add or remove extensions when filling tall silos or long distance grain movement is required.

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