

# Farm King

## GRAIN HANDLING

Grain Augers | TeleSwing | Grain Cleaners | Roller Mills | Hammer Mills





Farm King Grain Handling: grain augers,  
grain cleaners, roller mill and hammer mill

**ISO 9001:2015 CERTIFIED**

## FARM KING PRODUCT LINE-UP

### FARM KING PRODUCT CATEGORIES

Grain Handling

Tillage

Application Equipment

Hay Tools

Landscaping Equipment

Allied by Farm King  
Commercial Products

**FARM-KING.COM**

**FARM KING GRAIN HANDLING EQUIPMENT  
IS BACKED BY DECADES OF QUALITY  
BUILT PRODUCTS FOR JUST ABOUT EVERY  
AGRICULTURAL APPLICATION.**

Moving grain and commodities has never been easier than with the full line of Farm King grain augers, grain cleaners and unloading augers. These products are industry leaders 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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## BACKSAVER AUGER

### BACKSAVER AUGER

#### PRODUCT OVERVIEW

Manufactured for high-capacity with heavy-duty construction

Full height of up to 77'

40 to 175 hp required

#### FEATURES

Swing away auger with a self-leveling hopper

Hydraulic mechanical linkage

Scissor lift undercarriage

Working and travel light kits

#### OPTIONS

Hydraulic winch and hopper mover (std on 16" models)



# BACKSAVER AUGER

## 10", 13" AND 16" MODELS



### 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.

### 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.

### HYDRAULIC CYLINDERS

Powered by a heavy-duty hydraulic cylinder (two on model 13114, shown), 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.

### HYDRAULIC CONTROLS

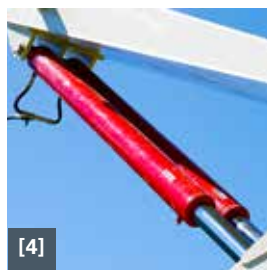
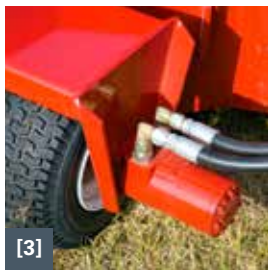
Using the auger-mounted hydraulic controls, the swing away auger can be lifted into position for transport and the hopper can be moved back and forth. This system removes most of the physical labor that was once required during grain handling.



## THE FARM KING BACKSAVER AUGER IS DESIGNED BY THE PEOPLE WHO KNOW AND UNDERSTAND YOUR GRAIN HANDLING NEEDS.

With 10", 13" and 16" tubing by up to 114' length, the operator is able to move large quantities of grain in short periods of time. Transporting the auger has never been easier with a maximum transport height of 15'.

[1] Hydraulic controls [2] Self-leveling [3] Hydraulic hopper mover [4] Hydraulic cylinders (model 13114 shown) [5] Hydraulic winch [6] Hydraulic drive wheels



### HYDRAULIC WINCH

A 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. Standard on model 16104 and optional on 10" and 13" Backsaver models.

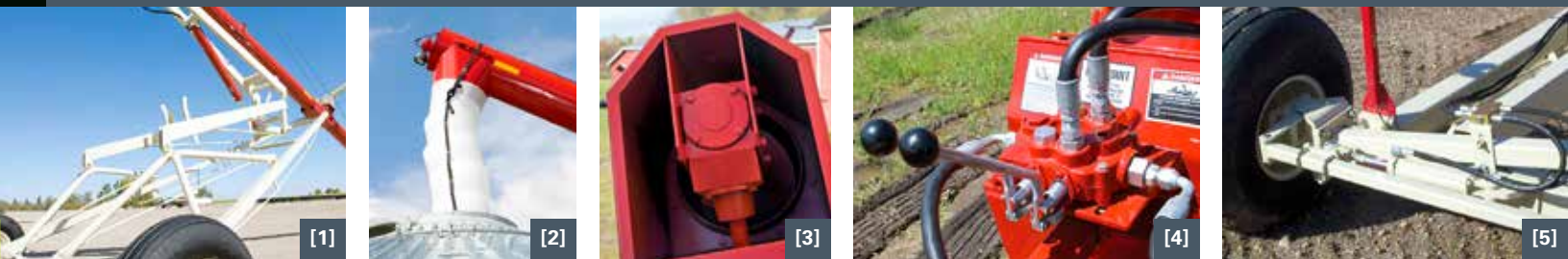
### HYDRAULIC HOPPER MOVER

The standard hydraulic hopper mover 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. Optional on 10" and 13" models.

### 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. Optional on 10" and 13" models.

BACKSAVER AUGER



[1] Undercarriage, 10" model shown [2] Adjustable light [3] Gearbox [4] Dual spool valve (option) [5] Auger steer (option)

ADJUSTABLE LIGHT

A lighting kit, available on 16" models, 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 to the auger spout. The high quality, flexible spout is standard.

GEARBOXES

These models feature two internal gearboxes for the intake auger assembly. Easy to maintain and service, these gearboxes do not restrict auger capacity.

UNDERCARRIAGE

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 transport requirements. Once

positioned, a shut-off valve on the underside of the auger tube limits the circulation of the hydraulics so the auger will maintain its height.

DUAL SPOOL VALVE

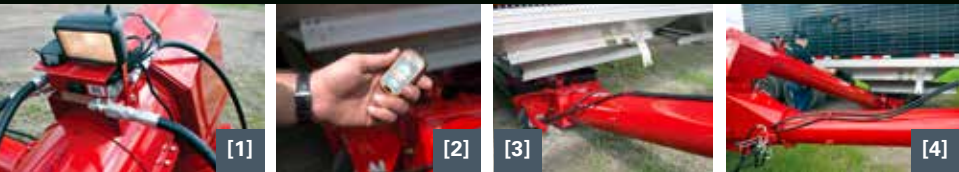
The optional two spool valve allows for hydraulic operation of the intake hopper winch and the hopper mover while only using two remote valves. The hydraulic controls eliminate the need to operate the winch and intake hopper by hand.

AUGER STEER OPTION

The auger-steer is designed to make modern augers easier to maneuver. The auger steer assembly is attached to the wheel/spindle hub assembly on the axle frame. Two hydraulic cylinders on either side of the auger frame control the side-to-side wheel motion, controlled by the hydraulic system on the tractor.



REMOTE SWING-AUGER



[1] Adjustable light kit for models 10"-13" (standard equipment on 16" augers) [2] Remote control [3] Self-leveling hopper [4] Remotely swing the hopper in place in 5 seconds.

REMOTE SWING-AUGER

PRODUCT OVERVIEW

For 10", 13" and 16" models

FEATURES

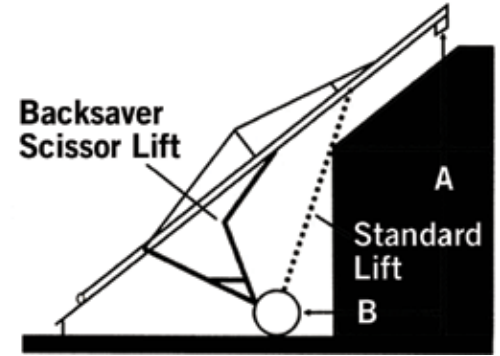
- Remote range of up to 400 ft - Picture [2]
- Remote charges using a USB plug
- The self-leveling hopper ensures proper weight and traction
- Compatible with both open and closed hydraulic systems
- Hopper moves into truck position within 5 seconds - Picture [4]

## BACKSAVER AUGER

FARM KING AUGERS FEATURE A TWO-YEAR PARTS WARRANTY.



Model 1684



### MEASUREMENTS

MODEL >>	1050	1060	1070	1080*	1370	1385	1395*	13114	1684	16104
Wheel track	9'	10'	12'	12'	12'	12'	12'	14' 6"	13' 4"	14' 6"
A, height †										
- lowest	11' 2"	11' 3"	12' 6"	13' 6"	13' 7"	13' 8"	14' 8"	10' 9"	13' 2"	14' 10"
- half way	23' 6"	27' 6"	30' 3"	34' 3"	31' 9"	36' 6"	40' 6"	42' 8"	-	-
- highest	36'	43' 8"	48'	55'	50'	59' 6"	66' 4"	78'	57'	77' 4"
B, forward reach										
- lowest	26'	30' 3"	35' 8"	45' 7"	36' 11"	45' 4"	55' 4"	63' 6"	44' 10"	57' 8"
- half way	-	-	33' 5"	41' 10"	33'	39' 8"	48' 3"	58' 2"	42'	52'
- highest	18'	22' 3"	27' 10"	34' 9"	27' 5"	31' 10"	38' 9"	47' 2"	33' 4"	36' 1"

† 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.

### SPECIFICATIONS

MODEL >>	1050	1060	1070	1080*	1370	1385	1395*	13114	1684	16104
Size	10" x 50'	10" x 60'	10" x 70'	10" x 80'	13" x 70'	13" x 85'	13" x 95'	13" x 114'	16" x 84"	16" x 104'
Tubing	12 gauge				12 gauge				1 and 2: 10 ga. 3 and 4: 11 ga.	1 and 2: 10 ga. 3, 4 and 5: 11 ga.
Flighting (Measured from centre of flighting strip)	7 gauge				1/4" flighting in swing-away and main auger				1/4" on swing and main auger	
Flighting shaft	11 gauge, 2-3/8" diameter				11 gauge, 3" diameter				11 gauge, 3.5" 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			5" x 5" x 1/4" square tube	5" x 5" x 1/4" square tube	
Lift arms	2" x 5" x 3/16" tube				1/4" formed tubing upper, 7 gauge lower				1/4" formed tubing	
Bridging	3/8" cable on 50' and 60' models, 1/2" cable on 70' and 80' models				1/2" cable			Steel tube trussing	Upper: 3/4" cable	Upper: 3/4" cable Side: 1/2" cable
Wheels and hubs	15" with 5 bolt automotive type hubs and bearings				15" with 6 bolt automotive type hubs and bearings			6 bolt hubs, 11 L x 15 x 8 ply	6 bolt hubs, 11 L x 15 x 8 ply	8 bolt hubs, 16.5 L x 16.1 x 10 ply
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"				48" 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				n/a	n/a
Multi-flighting hopper height from ground	11-3/4" at both ends				12-3/4" at both ends				13-1/2"	13-1/2"
Tractor requirements - min 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	165 hp 1700 PSI	1000 RPM/PTO 150 hp 1500 PSI	1000 RPM/PTO 175 hp 1500 PSI
Hitch weight	-	-	840 lb	-	1140 lb	1270 lb	-	2700 lb	2,200 lb	2,700 lb
Weight	2,545 lb	2,987 lb	3,354 lb	3,622 lb	5,175 lb	6,381 lb	6,683 lb	15,500 lb	11,000 lb	13,000 lb



# BACKSAVER AUGER

Models 10" and 13"



## BACKSAVER AUGER 10"/13" MODELS

### PRODUCT OVERVIEW

Manufactured for high-capacity with heavy-duty construction

Lengths of up to 114'

40 to 165 PTO hp required

### FEATURES

Swing away auger with a self-leveling hopper

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

## 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 114 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.



**[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. **[4]** Durable 11 gauge flighting is used on every 10" and 13" model. **[5]** 11' to 15' transport height and standard road lighting kit. **[6]** 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.



# BACKSAVER AUGER

## 16" Models

### BACKSAVER AUGER 16" MODELS

#### PRODUCT OVERVIEW

Manufactured for high-capacity with heavy-duty construction

Model 1684 ideal for shorter bins and smaller yards

Lengths of up to 104'

150 to 175 PTO hp required

#### FEATURES

Swing away auger with a self-leveling hopper

Scissor lift undercarriage

Hydraulic winch to lift the hopper into transport position

Hydraulic hopper mover

Load carrying tapered thrust bearing

Dual fighting low-profile hopper

### THE 16" FARM KING GRAIN AUGERS ARE DESIGNED BY THE PEOPLE WHO KNOW AND UNDERSTAND YOUR GRAIN HANDLING NEEDS.

The large 16" tubing by up to 104' length allow the operator to move large quantities of grain in short periods of time.

Equipped with a 3" fighting shaft, the Farm King auger handles even the dampest crops with ease.



[4]

**[1]** 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. **[2]** 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 up to 104' in the air, stability and precise maneuverability is paramount when positioning the auger.

**[3]** 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. **[4]** The dual fighting 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 operator speed & efficiency

Designed to fit on BackSaver augers

Able to retrofit on 2014 & newer BackSaver augers

Available in either 540 PTO or 1000 PTO

## FEATURES

Telescopic intake tube for maximum clearance

Posi-Track dual wheel drive mover

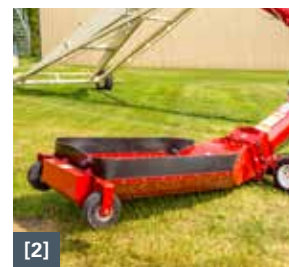
Low profile hopper : easy grain transition from hopper to intake tube



TeleSwing fully retracts for maximum clearance



## FOR MODELS 13" BACKSAVER & 16" BACKSAVER



### ACCESSIBLE OPERATOR LEVERS

The operating platform is located in an easy to reach location and is simple to operate. Visible decals provide clear instructions for a safe operation can be found in front of the main control levers. This helps keep the operator and the equipment safe.

### LOW PROFILE HOPPER

The low profile hopper (9.75"H) and easier grain transition from hopper to intake tube help maintain optimum capacity. As well, instructions on side of hopper indicate the hopper must be tilted up to enable intake tube and hopper to swing from side to side.

### POSI TRACK DRIVE WHEEL SYSTEM

The Posi-Track dual wheel drive system offers fast and efficient operation. The unit drives both wheels at the same time which distributes more power for moving the hopper into position. It also features treaded tires to help keep the unit moving in any tough yard conditions.

### HYDRAULIC CONTROLS & WINCH

The TeleSwing relies on a well routed hydraulic system to provide a constant flow and pressure to all control levers. All operational controls are easily accessible which gives the operator full control. The system features a hydraulic winch for ease of lifting hopper. Details like these help ensure the safety of both the equipment and the operator.

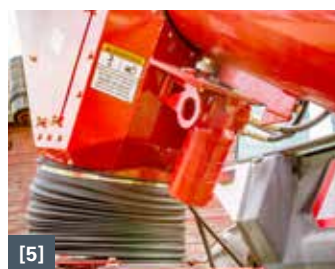


## FARM KING 13" & 16" DIAMETER TELESWING

Farm King has built a grain handling option that can accommodate our full line of 13" & 16" BackSaver augers. Enabling the operator to maximize unloading space while keeping efficiency and productivity in mind. (This option will be available on our newest BackSaver 13114 in spring of 2019).



[1] Accessible operating levers [2] Low profile hopper tilts to swing intake into position [3] Posi-Track drive system [4] Hydraulic winch [5] Mounting ring; to fit-up to BackSaver augers [6] Fully retracts



### ATTACHES TO ALL FARM KING AUGERS

The TeleSwing is a grain handling option that was designed to attach to Farm King BackSaver grain augers giving you superior grain handling performance.

### FULLY RETRACTING INTAKE TUBE & HOPPER

The unique design of the system allows the intake tube and hopper to fully retract taking up less space. The operator has the ability to swing the unit into position while adjusting the reach of the TeleSwing hopper under the truck hopper or end dump trucks.

#### SPECIFICATIONS

MODEL >>	13" TELESWING	16" TELESWING
Tubing gauge	12 gauge	12 gauge
Tubing length	17'	17'
Tube diameter	13"	16"
PTO options	540 or 1000	1000
Hopper dimensions	52" x 45" X 9.25H	52" x 45" X 9.25H
Weight	1450 lbs.	2220 lbs.
Capacity*	11000 bu/hr	18000 bu/hr

\* Capacity rating dependent on grain type, moisture, density, % FM. and elevation of main auger.



**DIMENSIONS**  
52" x 45" x 9.5"

## OPERATION

All augers may be elevated up to 45°; however, for the best operating efficiency, 35° should not be exceeded. At angles over 35° the capacity and life of the auger decreases. Use in some types of fertilizer may cause accelerated wear and corrosion as well as added stress on lift components due to additional load. Use in fertilizer can affect warranty.

Run auger partially full until flighting becomes polished.

Never operate an empty auger for over one minute, as the flighting and housing will experience excessive wear.

To position the auger, always tow or move the auger in the down position to a point as close as possible to the bin or barn.

Be sure the wheels are free to move and no one is standing close to the auger when raising or lowering. Never attempt to raise or lower the auger while it is in operation.

The intake auger swivels freely on the top of the input box. It can be positioned anywhere between the tractor and the side of the auger.

The distance between the tractor and the auger stubs should be between 36" and 38" with the tractor and auger on level ground and the auger in full down position. This distance is obtained by either adjusting the tractor hitch, the auger hitch or both.

Before engaging PTO, start tractor and idle engine. Engage PTO slowly and bring PTO rpm up to recommended speed of 500 rpm for 13" augers.

Before stopping auger (except in an emergency) let all grain empty out of the auger, idle engine then disengage PTO. Shut off tractor.

One way flow control valve (#71) can be adjusted by loosening the hex nut on the side, and turning on the screw with the machined end. Turning the screw in decreases the speed the auger lowers, while turning it out increases the speed. For the 13" x 70' auger, the approximate initial setting should be three turns out from the tight position. For the 13" x 85' auger, the approximate initial setting should be five turns out from the tight position. When set, re-tighten hex nut to set position. NOTE: Be sure that the valve is somewhat open before raising the first time or auger will not lower.

Be sure there is always some tension on the flighting by adjusting the end thrust bearing at the upper end of the auger.

Be certain to turn jack sideways when towing auger.

PTO shear bolts (2 required) 5/16" x 1" hex bolt (grade 8)

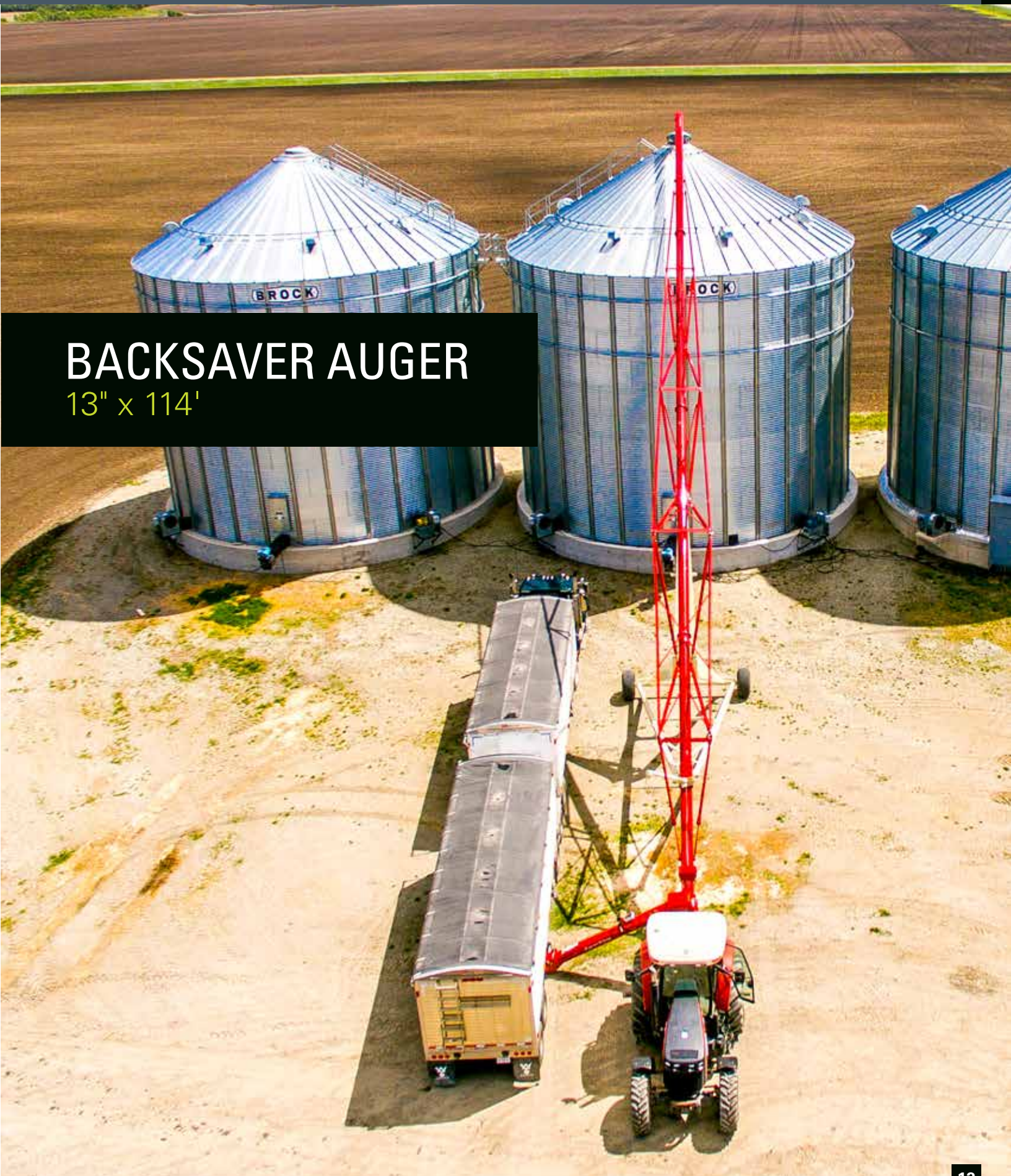
Always use a flag, or at night, a signal light when towing an auger on a road. Check your local regulations for further safety devices in this regard.

## AUGER RECOMMENDATION FOR GRAIN BINS

GRAIN BIN MODEL	DIAMETER		EAVE HEIGHT		OVERALL HEIGHT		AUGER LENGTH
	FEET	METERS	FEET	METERS	FEET	METERS	FEET
3006	29' 10"	9.10	22.2	6.76	30.5	9.31	60, 70, 80, 85, 95, 104
3008	29' 10"	9.10	29.5	8.99	37.9	11.54	70, 80, 85, 95, 104
3010	29' 10"	9.10	36.8	11.23	45.1	13.74	80, 85, 95, 104
3012	29' 10"	9.10	44.2	13.46	52.4	15.98	95, 104
4206	41' 9"	12.73	22.2	6.76	33.6	10.24	70, 80, 85, 95, 104
4208	41' 9"	12.73	29.5	8.99	40.9	12.47	80, 85, 95, 104
4210	41' 9"	12.73	36.8	11.23	48.1	14.65	95, 104
4212	41' 9"	12.73	44.2	13.46	55.4	16.89	104
4806	47' 9"	14.55	22.2	6.76	35.3	10.76	70, 80, 85, 95, 104
4808	47' 9"	14.55	29.5	8.99	42.7	13.00	85, 95, 104
4810	47' 9"	14.55	36.8	11.23	49.8	15.18	95, 104
4811	47' 9"	14.55	40.5	12.34	53.5	16.30	104

# BACKSAVER AUGER

13" x 114'



CONVENTIONAL AUGERS

CONVENTIONAL  
AUGER

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

OPTIONS

Multiple drive options available

Poly spout and poly hopper



CONVENTIONAL AUGER  
CX  SERIES - 8" AND 10" MODELS



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.

TOP DRIVE

The top drive is housed in a sealed grease 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.

TRANSPORT

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.

DRIVE OPTIONS

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.

ENGINE MOUNT

The new engine mount has no moving parts for easy set up. The engine is leveled by the belt guard system which

# THE ALL NEW CX



**THE NEW CX SERIES OF CONVENTIONAL AUGERS FROM FARM KING ARE AVAILABLE IN LENGTHS OF 41', 51' AND 61' IN BOTH 8" AND 10" DIAMETERS.**

The augers feature several enhancements to serviceability and stability and an expanded list of options. Several components have been standardized and redesigned to reduce repair and assembly time as well as to facilitate upgrades. The engine mount and leveling systems have been redesigned to ensure perfect belt tension at any auger position.

**[1]** Wide stance undercarriage **[2]** Transport (shown with optional auger hopper) **[3]** Top Drive **[4]** Intake **[5]** Poly Hopper **[6]** Poly Spout **[7]** Hardened steel square tubing frame



ensures perfect belt tension at every auger position - the separate leveling rod has been eliminated.

## POLY SPOUT AND HOPPER

Flexible poly spout for accurate bin filling is optional. Also optional is a poly hopper to minimize spillage.

## INTAKE

The intake end of the auger flighting is supported by a wooden, self lubricating bushing, which is highly resistant to dirt contamination and is maintenance free.

A narrow safety guard and removable clevis hitch improve access to bins with small auger ports.

## FRAME

Hardened steel square tubing frame provides a solid foundation.

## WHEEL SPINDLES

The wheel spindles are now a bolt-on style, allowing easy set up and replacement. This also helps facilitate the auger mover installation.



# CX

## NEW AND IMPROVED



## OPERATION

All augers may be elevated up to 45°: however, for best operating efficiency, 35° should not be exceeded. At angles over 35° the capacity and life of the auger decreases.

Never operate an empty auger for over one minute, as the flighting and housing will experience excessive wear.

To position the auger, always tow or move the auger in the down position to a point as close as possible to the bin or barn.

Be sure the wheels are free to move and no one is standing close to the auger when raising or lowering. Never attempt to raise or lower the auger while it is in operation.

The auger is equipped with a safety brake winch. The auger may be raised or lowered by simply turning the winch handle in the proper direction until the desired discharge height is obtained.

Never have less than three wraps of cable on the drum of the winch. The life of a motor is greatly reduced if it is run at too high or too low voltage. Also, a motor cannot develop full power if the cable is too small. The electrical supply to each motor should include an enclosed safety switch or circuit breaker of the correct size to protect the motor from being overloaded. The switch should be under a padlock to prevent the motor from being turned on by accident while working on or moving the auger. This will also prevent unauthorized people or children from operating the motor. A magnetic starter should be used to shut off the motor in case of low voltage, loss of power, or overloading the motor.

The electric motor must then be started manually.

Power take-off drives are designed for tractors with 540 PTO rpm and should not be run by tractors with 1000 PTO rpm.

To ensure a long life from a PTO tumbler shaft, operate the shaft at the least angle possible and always keep the tractor axle parallel to the side of the auger housing.

Before engaging PTO, start tractor and idle engine. Engage PTO slowly and bring up to recommended speed of 500 PTO rpm.

Before stopping auger (except in an emergency) let all grain empty out of the auger, idle engine then disengage PTO. Shut off tractor.

## WHATS NEW WITH THE CX

**The CX2 auger intake is now 24 inches allowing for greater capacity.**

**Strengthened the holding brackets for the winch making it stronger and keeps the auger centred and true.**

**Improved the engine mount: Now +/- 2 degrees when engaged.**

**Incorporated a pedestal style control panel that allows the user to walk in the direction of travel and has an arm rest.**

**Includes a battery hold down strap to secure the battery while in transport.**

**Warranty covers 1st year parts & labour and 2nd year parts only.**

**ISO 9001:2015 CERTIFIED**

### CONVENTIONAL AUGER CAPACITY RATING

Auger Diameter	Capacity Rating (bu/hr.)
4"	600
5"	1000
6"	1600
7"	2000
8"	2500
10"	3500-4500
12"	6000-8000
13"	8000-10000
14"	10000-12000
16"	18000-20000

\* Results vary based on auger age & condition, grain type, grain density, grain moisture.  
 \*\* Rated at 30 degrees using dry grain.

CONVENTIONAL AUGERS

CONVENTIONAL AUGERS

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

OPTIONS

Light kit which features a quick-connect coupler

Multiple drive options available

Poly spout and poly hopper



CONVENTIONAL AUGERS  
MODELS 8", 10" AND 13"



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.

CONVENTIONAL AUGER HORSE POWER REQUIREMENTS		
Auger Diameter	Internal Combustion Engine (hp/ft.)	Electric (hp/ft.)
8"	.42	.21
10"	.6	.3
13"	1	.5
16"	1.5	.75



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

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

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.

## IDEAL FOR ON FARM TRUCK LOADING WITH SEVERAL DRIVE OPTIONS AVAILABLE.

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 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.

**[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**



### SPECIFICATIONS

MODEL >>	831	836	1031	1036	1336
Tube width	8"		10"		13"
Tube length	31'	36'	31'	36'	36'
Wheel track	6' 0"	6' 6"	6' 0"	6' 6"	7' 5"
Belt drives	Double	Double	Tripple	Triple	Triple
Tube, gauge	14	14	14	13	12
Flighting, gauge	10	10	7	7	1/4"
Flighting shaft, dia.	1-1/4"	1-1/4"	2-3/8"	2-3/8"	2-3/8"
Flighting shaft, gauge	11	11	11	11	11
Drive line	1-1/4"	1-1/4"	1-3/8"	1-3/8"	1-1/2"
Gasoline					
- Motor pulley	3.5"	3.5"	3.5"	3.5"	3.5"
- Fuel tank capacity	7 gal	7 gal	7 gal	7 gal	7 gal
Motor pulley (tube-mount electric) <sup>1</sup>	6"	6"	6"	6"	3-3/4"
Recommended engine hp	10-12	10-12	18	22	30
Electric motor hp <sup>2</sup>	5	10	10	15	15 (1 phase) / 22 (3 phase)

<sup>1</sup>Tube mount kits are recommended to be installed on direct PTO (CX or C) models using pulley diameters shown. Use a 6" motor pulley when installing electric motors on C series engine drive models.

<sup>2</sup>Depends on the type of grain and grain density. Electric hp are estimates only.



### CONVENTIONAL AUGER MOVER



Available for the 8" and 10" CX auger lineup, the completely redesigned mover incorporates power steering, hydraulic scissor lift for the intake, sport tread tires, hydraulic winch for auger height adjustment, improved engine mount and leveling systems and longer reach on the intake tube. Many parts have been standardized across the models and the kit is designed for ease of assembly, ease of operation and high maneuverability.

#### MOVER CONTROLS

The auger mover controls are located near the engine controls, allowing for one location control. The belt guarding doubles as the engine leveling device, which keeps the belts at the same tension in any auger position.

#### CASTER WHEEL

The unique caster wheel design and independently powered drive wheels allow an extremely short turn radius. The intake end scissor lift allows a wide range of vertical motion and tucks up under the auger tube for easy transport.

#### ENGINE MOUNT

The engine mount plate has no moving parts for ease of set up. The engine drive sheave is now standard equipment. The drive belts are engaged via a newly designed lever accessible from the auger and engine control location.



### INTAKE HOPPER



The self-leveling Conventional Auger Hopper adds versatility and convenience to your Farm King auger by giving you a powered intake hopper. The hopper is powered by the rotation of the existing auger core - no new drive mechanisms are needed. With a total reach now extended to approximately 108", this hopper allows you to cleanly collect the discharge of gravity wagons, grain carts, hopper bottom bins, grain trucks, highway grain trailers and more with no spillage, and no need to wrestle with removable hoppers.

#### HAND-CRANK & CASTER JACK

An optional hand-crank caster jack allows you to lift the intake hopper with ease, and maneuver the auger intake into position with minimal effort.

#### TRANSPORT

The hopper has a transport stabilizing bar and hitch for quick transport setup without the need to remove the hopper itself. A rubber skirt helps reduce grain spillage.

#### CONTINUOUS VELOCITY JOINT

A continuous velocity joint connects the hopper flighting to the main auger flighting, allowing the hopper to be powered with no new power source or hydraulic systems.

## AUGER MOVERS AND HOPPERS

### INTAKE HOPPER

MODEL >>	8"	10"	13"
Hopper dimensions	32" x 36"	32" x 36"	32" x 36"
Height, to top of steel	10"	10"	10"
Height, to top of rubber	14"	14"	14"
Caster jack lift capacity	2000 lb	2000 lb	2000 lb
Reach, approx. <sup>1</sup>	108"	108"	108"
Capacity <sup>2</sup>	3500 bu/hr	5500 bu/hr	-
Weight	200 lb	200 lb	200 lb

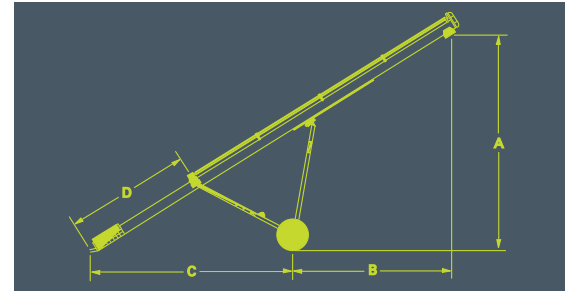
<sup>1</sup>Reach is measured from the end of intake hopper to first obstruction on the auger tube

<sup>2</sup>Capacity will vary by grain conditions and by elevation of the main auger - tested on a 10" auger at 31.6° elevation, using dry #2 Corn (<13% moisture)

### AUGER MOVER

MODEL >>	CX AUGER SIZE	FEATURES
CXM841	8" x 41' and under	<ul style="list-style-type: none"> <li>- Power Steering</li> <li>- Fuel Tank Capacity - 6.5 US Gal<sup>3</sup></li> <li>- Central Control Location</li> <li>- Mover Mounts to Undercarriage only</li> <li>- Rear Wheel(s) Lift for Transport</li> </ul>
CXM851	8" x 51' and over	
CXM1041	10" x 41' and under	
CXM1051	10" x 51' and over	
CXM1061	10" x 61' and over	
C506	13" x 36'	

<sup>3</sup>Fuel tanks are supplied with engine configuration only.



### MEASUREMENTS

MODEL >>	CX2-841	CX2-851	CX2-861	CX2-1041	CX2-1051	CX2-1061	1336
A, up	27' 9"	35' 2"	42' 8"	28' 3"	32' 8"	39' 3"	19' 1"
A, down	10' 8"	9' 11"	12' 5"	10' 5"	9' 6"	11' 11"	9' 9"
B, up	12' 5"	17' 3"	20' 3"	13' 3"	16' 9"	20' 4"	13' 2"
B, down	18' 8"	23' 10"	28' 9"	18' 3"	23' 5"	28' 6"	14' 3"
D, direct drive	6' 5"	6' 7"	6' 9"	6' 4"	6' 6"	6' 8"	6' 7"
D, electric & PTO drives	10' 11"	14'	-	10' 11"	14'	16' 1"	10' 10"

### SPECIFICATIONS

MODEL >>	CX2-841	CX2-851	CX2-861	CX2-1041	CX2-1051	CX2-1061	1336
Tube width	8"			10"			13"
Tube length	41'	51'	61'	41'	51'	61'	36'
Wheel track	8' 9"	10' 1"	10' 1"	8' 9"	10' 1"	10' 1"	7' 5"
Belt drives	Double	Double	N/A	Triple	Triple	Triple	Triple
Tube, gauge	14	14	14	12	12	12	12
Flighting, gauge	10	10	10	7	7	7	1/4"
Flighting shaft, dia.	1-1/4"	1-1/4"	1-1/4"	2-3/8"	2-3/8"	2-3/8"	2-3/8"
Flighting shaft, gauge	11 gauge	11 gauge	11 gauge	11 gauge	11 gauge	11 gauge	11 gauge
Drive line	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-1/2"
Gasoline							
- Motor pulley	3-1/2"	3-1/2"	N/A	3-1/2"	3-1/2"	4"	3-1/2"
- Fuel tank capacity	6.5	6.5	N/A	6.5	6.5	6.5	N/A
Motor pulley (tube-mount electric) <sup>4</sup>	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"
Recommended engine hp	16 hp	20 hp	24 hp	28 hp	32 hp	38 hp	30 hp
Electric motor hp <sup>5</sup>	8 hp	10 hp	15 hp	10 hp	15 hp	20 hp	22 hp

<sup>4</sup>Tube mount kits are recommended to be installed on direct PTO (CX or C) models using pulley diameters shown. Use a 6" motor pulley when installing electric motors on C series engine drive models.

<sup>5</sup>Depends on the type of grain and grain density. Electric hp are estimates only.



ROLLERMILL

ROLLERMILL

PRODUCT OVERVIEW

Machine-grooved rollers are available in steel or chrome

Manual feed gate determines the thickness of finished grain

FEATURES

Capable of processing up to 300 bushels per hour

Available in three sizes

Double leaf springs ensure constant, even roller pressure

OPTIONS

Optional magnet removes nails and other metal objects from the grain

15" wheels and a 12' hydraulic discharge auger

ROLLERMILLS ARE DESIGNED TO MAXIMIZE THE NUTRITIONAL VALUE OF FEED.

Available in three sizes, Farm King roller mills are capable of processing up to 300 bushels per hour. A manual feed gate sets the flow into the roller mill and the adjustable tensioner determines the thickness of finished grain. Double leaf springs ensure constant, even roller pressure.

Machine-grooved rollers are available in steel or chrome and can be inexpensively re-machined up to three times if damaged or worn. An optional magnet removes nails and other metal objects from the grain and prevents them from damaging the rollers. An electric motor or PTO drives the 85 and 100. The 180 is PTO driven and can be equipped with a transport with 15" wheels and a 12' hydraulic discharge auger that swings a full 180 degrees.

ROLLERMILL	85	100	180
Size	7" x 8"	10" x 10"	18" x 10"
Roll diameter	8"	10"	10"
Grooves per inch	8 (6 corn)	8 (6 corn)	8 (6 corn)
Roll pressure	Double leaf spring		
Capacity (approx.)	50-100 bu/hr	100-150 bu/hr	200-300 bu/hr
Magnet	Optional	Optional	Optional
Drive required	PTO or 3-5 hp electric	PTO or 5-7.5 hp electric	40-60 PTO hp
Discharge auger	Not available	Not available	Optional
Tires	Not available	Not available	Optional
Stationary stand	Optional	Optional	Optional
Weight	225 lb	317 lb	540 lb
Scrapers	Optional	Optional	Standard



# HAMMERMILL

## HAMMERMILL

### PRODUCT OVERVIEW

Manufactured with high quality carbon steel

Grinds as much as 75 bushels per hour

Sliding feed gate controls the amount of grain entering the mill

### FEATURES

Can be reversed for use in four different positions

Grinds as much as 75 bushels per hour

Adjustable motor mount fits most 5 to 7.5 horsepower electric motors

### OPTIONS

Discharge hopper makes it easy to move processed grain

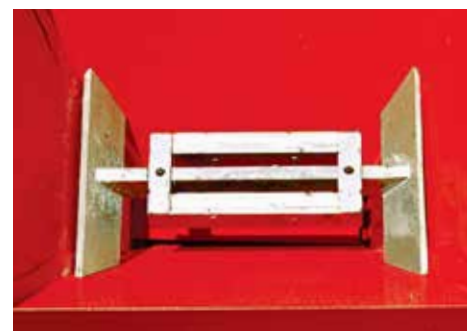
Optional magnet removes nails and other metal objects from the grain

## HAMMERMILLS DELIVER TOP-QUALITY PROCESSED GRAIN WITH MINIMUM MAINTENANCE AND LOW OPERATING COSTS.

Grinding grain fresh every day means animals get the most nutritional value. A Farm King hammermill does the job quickly and economically, grinding as much as 75 bushels per hour. An adjustable motor mount fits most 5 to 7.5 horsepower electric motors. The sliding feed gate controls the amount of grain entering the mill and an optional magnet removes nails and other metal objects from grain and prevents damage to the hammermill. An optional discharge hopper makes it easy to move processed grain.

The hammers are made from high quality carbon steel for extra-long life. They can be reversed for use in four different positions for even longer wear.

HAMMERMILL	60
Working width	6"
Drive	Double-V pulley
Motor required (approx.)	5 - 7.5 hp, 3450 rpm motor (not included)
Capacity (approx.)	75 bu/hr
Hammers	18, C1045 carbon steel
Rows	6
Screen size	6" wide x 14" round
Height	36" (including hopper)
Width	24"
Depth	19"
Weight	145 lb



The optional magnet removes nails and metal debris from grain.



**[1]** Undercarriage, 10" model shown **[2]** Gearbox  
**[3]** Adjustable light



# UTILITY AUGER

## 4", 6" AND 8" MODELS

### UTILITY AUGER

#### 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 flighting is protected by an intake guard

#### OPTIONS

- Poly hopper / Flow control

**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 are available for a variety of applications. The components are adaptable to suit various configuration and capacity requirements, and solid construction and heavy gauge tubing ensures extra durability and longevity.

### CAGE

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

### GRAIN CLEANER

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

#### SPECIFICATIONS

MODEL >>	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

**Motor Mounts** - Standard adjustable motor mounts mean that Farm King utility augers can be paired with various sizes and brands of electrical motors.

**Extensions** - Heavy-duty flange and square coupler connect these tubing extensions.



# UNLOADING AUGER

## 8" AND 10" MODELS



**[1]** Hopper **[2]** Hydraulic drive with variable speed control  
**[3]** Electric-drive models have an adjustable motor mount



### UNLOADING AUGER

#### 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

### 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. The weight is evenly distributed at the pivot wheels for optimum stability and balance; one person can easily move the unloading auger into position.

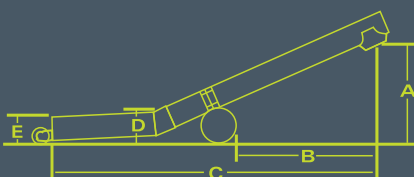
**CLEANOUT** - hinged cleanout gate in the bottom of the hopper.

**ELECTRIC DRIVE** - 12" pulley for electric drive protected by safety shield.

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"

#### SPECIFICATIONS

MODEL >>	810H	810E	1010H	1010E
Tube width	8"	8"	10"	10"
Tube length	9'	9'	9'	9'
Drive type	Hydraulic	Electric	Hydraulic	Electric
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 (Measured from centre of strip)	12 gauge	12 gauge	12 gauge	12 gauge
Weight	260 lb	270 lb	310 lb	320 lb



## GRAIN CLEANER

### GRAIN CLEANER

#### PRODUCT OVERVIEW

Separates the dockage from grain before shipping / storing

Cleans up to 700 bu/hr with the model 362 and up to 1900 bu/hr with model 482

#### FEATURES

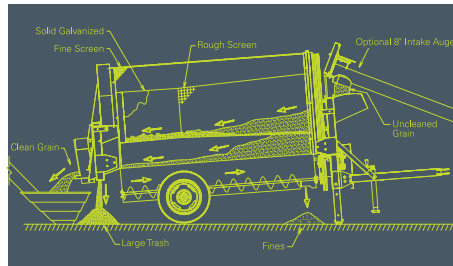
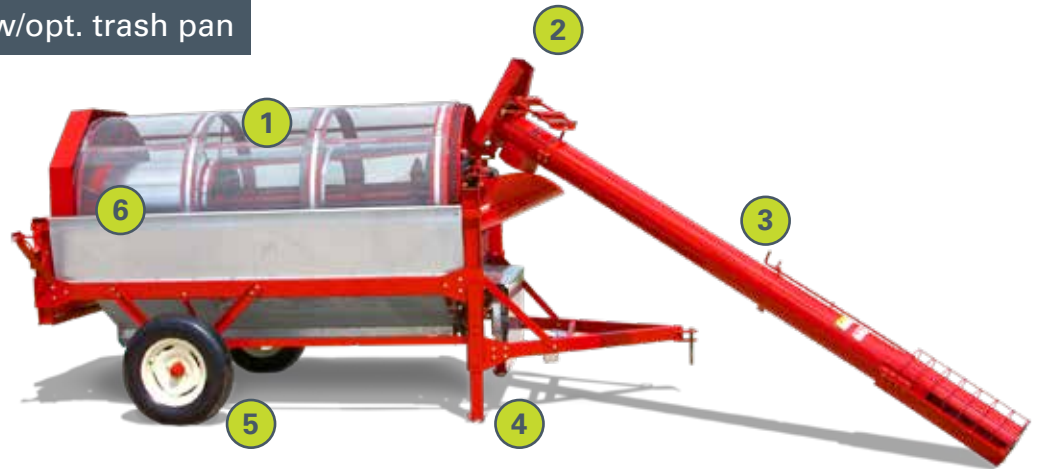
Two-stage screening process

Larger intake spouts for easy filling

#### OPTIONS

Trash pan for collecting screenings (model 482)

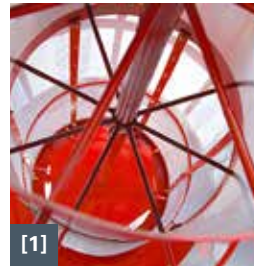
Model 482  
w/opt. trash pan



1. Two-stage screening process which includes an inner cone screen for large trash and an outer drum screen for fines.
2. 1-1/4' and 2' intake spouts on models 362 and 482 respectively.
3. An 8" intake utility auger is optional with model 482.
4. Front adjustable legs to increase or decrease product flow.
5. Hitch and wheels make for a portable grain cleaner.
6. Multiple screen options for multiple crop sizes.

# GRAIN CLEANER

## MODELS 362 AND 482



[1] Cleaning Process [2] Move Trash [3] Transport [4] Unload Clean Grain [5] Precise Placement Utility Auger On Both Models

### CLEANING PROCESS

A two-stage screening process includes an inner cone screen for large trash and an outer drum screen for fines. Cleaned grain is emptied through a built-in chute.

### MOVE TRASH

An optional trash pan can be added to model 482 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.

### PRECISE PLACEMENT

The utility auger slide bar allows the auger to be placed in transport mode or positioned directly over the intake spout.

### UNLOAD 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.

### TRANSPORT

The intake auger can be swiveled around to the side of the cleaner and securely attached for transport. 15" wheels and a full frame transport are included.

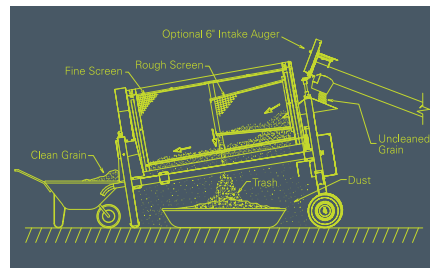
### INTAKE AUGER

An intake auger is optional on all models. A 6" utility auger is available for model 362 in lengths of 11', 16' and 21'. Model 482 has an 8" x 11' utility auger.

**FARM KING BUILDS TWO GRAIN CLEANER MODELS THAT ARE DESIGNED TO SEPARATE THE DOCKAGE FROM GRAIN WITH A TWO-STAGE SCREENING SYSTEM BEFORE IT GETS SHIPPED OR STORED, INCREASING PROFIT.**

- ✓ **Dockage reduces bin storage capacity and increase shipping costs.**
- ✓ **Cleaned grain dries faster.**
- ✓ **Screenings can be used as animal feed.**

## Model 362



1. Optional swing arm assembly to accommodate 6" x 11' utility auger on model 362.
2. Optional 6" x 11' utility auger.



**The Model 362** can clean up to 700 bushels per hour. 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 and are designed to fit most 1 hp motors. An optional 6" intake auger for easy loading.

**The Model 482** cleans up to 1900 bushels per hour, depending on moisture content and the amount of dockage. Trash and fines are thoroughly removed from the grain, with the fines being separated from larger screenings and are unloaded from separate chutes. An optional trash pan is available for collecting screenings.

### SPECIFICATIONS

MODEL >>	362	482
Drum diameter / length	36" / 73"	48" / 98"
Total length	97"	144"
Width (outside of tires)	55"	76"
Motor required (approx.)	1 hp	3 hp
Drive	Belt	Belt
Capacity	700 bu/hr	1900 bu/hr
Weight	493 lb	1,020 lb
Weight, w/opt. trash pan	n/a	1,253 lb
Intake auger (optional)	6"	8"

SCREENS >>	INNER CONE (standard)	INNER CONE (large/small)	OUTSIDE DRUM (standard)	OUTSIDE DRUM (large/small)
Corn	5/8 x 5/8 x 17 ga.	Small - 2 x 2 x 19 ga.	4 x 4 x 23 ga.	-
Wheat	4 x 4 x 23 ga.	Large - 3 x 3 x 21 ga.	8 x 8 x 27 ga.	Large - 6 x 6 x 25 ga.
Sunflower	2 x 2 x 19 ga.	Large - 5/8 x 5/8 x 17 ga.	6 x 6 x 25 ga.	Small - 8 x 8 x 27 ga. Large - 5 x 5 x 24 ga.
Soybean	2 x 2 x 19 ga.	Small - 3 x 3 x 21 ga.	5 x 5 x 24 ga.	Small - 6 x 6 x 25 ga.
Milo	4 x 4 x 23 ga.	Small - 5 x 5 x 24 ga. Large - 3 x 3 x 21 ga.	8 x 8 x 27 ga.	Large - 6 x 6 x 25
Flax	4 x 4 x 23 ga.	Small - 5 x 5 x 24 ga.	10 x 10 x 29 ga.	-

[farm-king.com](http://farm-king.com)



# Farm King

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