Prices: Prices in effect at time of shipment will apply. Prices are subject to change without notice. All prices are F.O.B. Clay Center, Kansas. Orders shipped from locations other than Clay Center, Kansas will be subject to additional charges, such as back freight and/or additional freight.

Service Charge: A service charge will be assessed for all past due balances as permitted by state law not to exceed 1-1/2% per month.

Minimum Order: Processing and handling costs necessitate a minimum charge of $15.00 net on all orders.

Back Orders: Back orders will be shipped as they become available. Contact Hutchinson, Mayrath Customer Service for alternative shipping options or if cancellation is desired.

Damaged Goods: It is the consignee’s responsibility to check all shipments thoroughly upon receipt of goods. If any damage is discovered, it must be noted on the freight bill of lading before signing. The consignee must make necessary claims against the respective freight line. All damage claims must be submitted within 30 days of delivery receipt.

Shortages: All shortages must be noted at time of delivery. Shortages must be noted on the freight bill of lading before signing. Hutchinson, Mayrath must be advised of all concealed shortages upon discovery. Once notified of concealed shortages Hutchinson, Mayrath will advise corrective action to be taken.

Return of Goods: All returns must be approved by Hutchinson, Mayrath prior to shipment. All return requests will be issued a return authorization number. NO RETURNS WILL BE ACCEPTED WITHOUT A RETURN AUTHORIZATION NUMBER AND PRIOR AUTHORIZATION FROM THE FACTORY. All returns must be shipped prepaid. A 15% restocking charge will be applied to all returned merchandise. Custom Products may not be returned for credit. Only current products in new and salable condition may be returned. No safety devices may be returned for credit.

Modifications: It is the policy of Hutchinson, Mayrath to improve its product whenever possible and practical to do so. We reserve the right to make changes, improvements and modifications at any time without incurring the obligation to make such changes, improvements and modifications on any equipment sold previously.

Limited Warranty: (a) For a period of (1) year after receipt of goods by the original consumer buyer, Hutchinson, Mayrath will supply free of charge replacement parts for parts that prove defective in workmanship or material. Defective parts must be returned freight prepaid to a specified Hutchinson, Mayrath location. Only Hutchinson, Mayrath original repair parts may be used for warranty repairs.
(b) This limited warranty does not extend to parts designed to wear in normal operation and be replaced periodically; or to damage caused by negligence, accident, abuse or improper installation or operation.
(c) GOODS NOT MANUFACTURED BY HUTCHINSON, MAYRATH CARRY ONLY THE MANUFACTURER’S WARRANTY.
(d) THIS UNDERTAKING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

FAILURE TO FOLLOW THE INSTRUCTIONS CONTAINED IN THE OWNER’S & OPERATOR’S MANUALS AND THE ITEMS LISTED BELOW WILL RESULT IN THE VOIDING OF THIS LIMITED WARRANTY.
(1) Improper assembly, including failure to properly install all safety equipment.
(2) Improper installation.
(3) Unauthorized alternations of goods.
(4) Goods operated when obviously in need of repair.
(5) Use of unauthorized repair parts.
(6) Irresponsible operation.
(7) Used to handle materials other than free flowing, nonabrasive and dry materials, as intended.
(8) Damaged through abusive use or accident.

Limitation of Liability: BUYER AGREES THAT IN NO EVENT SHALL HUTCHINSON, MAYRATH HAVE LIABILITY FOR DIRECT DAMAGES IN EXCESS OF THE CONTRACT PRICE OF THE GOODS IN RESPECT OF WHICH CLAIM IS MADE. BUYER FURTHER AGREES THAT IN NO EVENT SHALL HUTCHINSON, MAYRATH ON ANY CLAIM OF ANY KIND HAVE LIABILITY FOR LOSS OF USE, LOSS OF PROFITS, OR FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.
GENERAL SAFETY STATEMENT

This manual was written with the safety of the operator and others who work with the equipment as our prime concern. The instructions presented will help the reader learn SAFE day to day work practices. We want you as our partner in safety.

It is your responsibility as an owner, operator or supervisor to know what specific safety requirements and precautions exist and to make these known to all other personnel working with the equipment or in the area, so that they too may safely perform their duties and avoid any potentially hazardous situations.

Please remember safety equipment provides important protection for persons around a grain handling system that is in operation. Be sure that ALL safety shields and protection devices are installed and properly maintained. If any shields or guards are damaged or missing, contact your dealer to obtain the correct items.

Avoid any alterations of the equipment. Such alterations may create a dangerous situation where serious injury or death may occur.

SAFETY ALERT SYMBOL

The symbol shown below is used to call your attention to instructions concerning your personal safety. Watch this symbol - it points out important safety precautions. It means "ATTENTION! Become alert! Your personal safety is involved!" Read the message that follows and be alert to the possibility of personal injury or death.

BE ALERT! YOUR SAFETY IS INVOLVED.

WARNING

Anyone who will operate or work around this machine shall first read this manual! This manual must be delivered with the equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.
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OPERATOR QUALIFICATIONS

Operation of this auger shall be limited to competent and experienced persons. In addition, anyone who will operate or work the auger must use good common sense. In order to be qualified, he must also know and meet all other requirements, such as:

1. Some regulations specify that no one under the age of 16 may operate power machinery. This includes augers. It is your responsibility to know what these regulations are in your own area or situation.

2. Current OSHA regulations state in part: "At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved."

3. Unqualified persons are to stay out of the work area.

4. A person who has not read and understood all operating and safety instructions is not qualified to operate the auger system.

*Federal Occupation Safety & Health Standards for Agriculture Subpart D, Section 1928.57(a)(6).

SIGN OFF SHEET

As a requirement of OSHA it is necessary for the employer to train the employee in the safe operation and safety procedures with this auger. We include this sign off sheet for your convenience and personal record keeping.
SAFETY DECALS

Check components as specified below to insure that safety decals are present and in good condition. If a decal cannot be easily read for any reason or has been painted over, replace it immediately. Decals may be ordered through your dealer.

SERIAL NUMBER

To ensure efficient and prompt service, please furnish us with the model and serial number of your auger in all correspondence or other contacts. The serial plate is located on the motor mount frame.
OPERATING INSTRUCTIONS

Utility Augers are primarily designed as portable units. They are not designed for permanent installations and are not available in special lengths. Whenever you are selecting an auger for permanent installation we recommend the Custom-Built Distributing Auger.

A utility auger has many and varied uses. Since it is not sold with an undercarriage or other means of support, it must be supported by the user adequately for the particular job to be done. Always be sure to fasten the discharge end and intake end in place so the auger will remain in position during operation.

⚠️ Make certain everyone is clear before operating the machine.

START UP AND BREAK-IN INFORMATION

It is essential to inspect your drive before adding power and know how to shut down in an emergency.

During the operating of your equipment, one person shall be in a position to monitor the operation. Any screw conveyor when it is new or after it sets idle for a season should go through a "break-in" period. The auger should be run at partial capacity until several hundred bushels of grain have been augered to polish the flighting assembly and tube. When the screw and tube are polished and smooth, the auger can be run full.

Never operate the auger empty for any length of time, as excessive wear will result. If at all possible, do not stop or start the auger load, especially before the flight and tube become well polished, as this may cause the auger to "freeze-up".

⚠️ During the initial start up and break-in period, the operator shall be aware of any unusual vibrations or noises.

Keep all safety shields and devices in place.
Keep hands, feet and clothing away from moving parts.

Proper auger flight speed is important for efficient operation of the equipment.

1. If the flight is in excess of what is recommended, excessive wear will result.
2. If the flight speed is slow, the auger flighting is permitted to "load up". Then high torque will be required to turn the auger flighting and damage to the auger can result. Use the hopper control gate to control the amount of grain fed into the auger.

OPERATING CAPACITIES

The results or capacities of screw conveyors or augers can vary greatly under varying conditions. Different materials, moisture content, amount of foreign matter, methods of feeding and speed all play a role in the performance of the auger. Twenty-five (25%) moisture could cut capacity back by as much as 40% under some conditions.

FULL LOAD OPERATING PROCEDURES

It is good practice to visually inspect the auger periodically during the actual operation. You should be alert for unusual vibrations, noises and the loosening of any fasteners.

⚠️ Observe work area restrictions.
Make certain everyone is clear before operating the machine.
OPERATING INSTRUCTIONS

SHUTDOWN
NORMAL SHUTDOWN
Make certain that hopper and incline tube are empty before stopping the unit. Before the operator leaves the work area the power source shall be locked out.

EMERGENCY SHUTDOWN
Should the auger be immediately shut down under load—disconnect and lockout the power source. Clear as much grain from hopper and auger as you can. Never attempt to restart when full.

NOTE: Starting the unit under load may result in damage to the auger. Such damage is considered abuse of the equipment.

Reconnect power source and clear auger gradually.

Whenever you must service or adjust your equipment, make sure you stop motor and lock out your power source!

ELECTRIC MOTOR DRIVE
Always use a motor with required H.P. suggested in chart below. Use motor that operates at 1750 RPM. Electric motors and controls shall be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes. Reset and Motor Starting Controls must be located so that the operators have full view of the entire operation.

A magnetic starter should be used to protect your motor when starting and stopping. It should stop the motor in case of power interruption, conductor fault, low voltage, circuit interruption or motor overload. Then the motor must be restarted manually. Some motors have built-in thermal over-load protection. If this type motor is used, use only those with manual reset.

Reset and motor starting controls must be located so that the operator has full view of the entire operation. A main power disconnect switch capable of being locked only in the OFF position shall be provided. This shall be locked whenever work is being done on the Utility Auger.

HORSEPOWER INFORMATION FOR ELECTRIC MOTOR DRIVE
Use chart to determine the horsepower required. Horsepower required for standard 4" Utility Augers.

Length: 11' - 15' - 20'
Electric: 1/2 - 1/2 - 3/4

The horsepower recommendations are for augering reasonably dry grain at varying angles. High moisture grain (above 15%) will require greater power if maximum capacity is to be maintained. The maximum possible capacity will be less with high moisture grain than with dry grain. Use an electric motor of the correct size that operates at 1750 R.P.M. Use a 2.5" or 3.0" motor pulley for a recommended auger speed of 550 to 650 R.P.M. Motor pulleys are not furnished with the auger.
OPERATING INSTRUCTIONS

HORSEPOWER INFORMATION
FOR ELECTRIC MOTOR DRIVE

Auger speeds in excess of 750 R.P.M. should be avoided as excessive wear will result. Auger speeds below 450 R.P.M. require a flow control to restrict intake to the auger. High torque is required to turn the flighting if it is permitted to "load up" at low speed and damage to the auger can result. An optional control gate is available for this purpose.

⚠️ Disconnect power before resetting motor overloads.
Make certain electric motors are grounded.

LOCKOUT

If the operator must leave the work area, or whenever servicing or adjusting, the Utility Auger must be stopped and the power source turned off. Precaution should be made to prevent anyone from operating the Utility Auger when the operator is absent from the work area.

IMPORTANT: Use a main power disconnect switch capable of being locked only in the off position.

CLEAN-UP

1. Check to see that all guards listed in the assembly instructions are in place and secured and functional.
2. Check all safety signs and replace any that are worn, missing or illegible. The safety signs are listed in the front of this manual. Safety signs may be obtained from your dealer or ordered from the factory.
3. Are all fasteners tight?

TROUBLE SHOOTING

AUGER VIBRATION

Driving belt may be overtightened, putting head stub and flight in a bind. Damage can occur to the auger flighting, thus causing noise. Damage usually occurs because of foreign material having been run through the auger. It may be necessary to remove the flighting for inspection.

LOW CAPACITY

The auger may not be getting enough grain. Check to make sure the intake has not bridged over, restricting flow. The exposed flighting at the auger intake should be covered with grain to achieve maximum capacity. Check auger speed. Speeds slower than the recommended speed will result in low capacity.

AUGER PLUGS

The auger may be getting too much grain, causing "jamming" inside the housing. The motor may be too small or wired improperly. If the motor is a newer lightweight aluminum type, the next larger size should be considered. If wet grain or other hard-to-move material is being augered, use a larger size motor than recommended for normal use. Is the auger free of any foreign material, such as sacks, tarp corners, etc? A plug of the discharge end will cause an auger plug.
ASSEMBLY INSTRUCTIONS

1. Slide flighting assembly # 2 into housing assembly # 1.
   NOTE: If an extension is being used with this auger, see note listed below.*

2. Bolt head bearing (8) and retainers (9) to head plate assembly (6) using three 5/16" x 3/4" carriage bolts with lockwashers and nuts. Bearing lock collar must be on front of bearing next to pulley.

3. Position rods (3) into head plate assembly (6) so that motor will be behind and above drive pulley (11). Hold rods in place with four 5/8" nuts. Locate two nuts above and two nuts below the head plate.

4. Slide head plate, bearing and rods assembly over discharge end of auger housing (1). Bolt on head plate assembly using four 1/4" x 1 1/4" hex head bolts and nuts.

5. Slide flighting shaft through head bearing enough to install 8" pulley on shaft with 5/16" x 2" roll pin. NOTE: Roll pin side of pulley must be next to bearing lock collar.

6. Locate head pulley (11) in as close as possible to head bearing (8). Tighten lock collar on bearing.

7. Position motor mount straps (top) (4) and motor mount clips (bottom) (5) on rods and clamp together with 5/16" x 1 1/2" carriage bolts and nuts.

8. Slide intake guard (16) onto intake end of auger housing (1). Clamp assembly to auger housing with two 1/4" x 1 1/4" hex head bolts and nuts.

9. Install motor on motor mount and pulley on motor (motor pulley not furnished). Install 38" belt, tighten belt and lock in place with 5/8" nuts on motor mount rods.

10. Place support strap (10) on auger housing directly behind head plate assembly, clamp in place with halfband (15) using two 1/4" x 1 1/4" hex head bolts and nuts. Slide rods support (7) over ends of 5/8" motor mount rods and attach to support strap with one 5/16" x 3/4" carriage bolt, flat washer, lock washer and nut.

11. Insert one belt guard clamp bar (13) between rod assembly and pulley. Clamp to rod assembly with motor mount clip (5) using one 5/16" x 1 1/2" hex head bolt and nut. Position guard to clear belt and hold in place with clamp bar using two 1/4" x 3" bolts and nuts.

   *NOTE: Slide extension flighting assembly into extension housing assembly. Bolt flighting assemblies together so that the ends of the flight are approximately half turn apart using 5/16" x 1 1/2" hex head bolts and lock nuts. Connect auger housings together with connecting band. Be sure auger housing are tight together. Use bolts already in connecting band. The connecting band should be half on each housing assembly.
## PARTS LIST

### 4” UTILITY AUGER

<table>
<thead>
<tr>
<th>REF. NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>4300C</td>
<td>Auger Housing for 11’ Model (10’-6” long), Hutch</td>
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<td>4300CN</td>
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<td>4316C</td>
<td>Auger Housing Extension (5’-0” long)</td>
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<td>Auger Housing Extension (10’-6” long)</td>
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<td>4362A</td>
<td>Auger Housing Connecting Band (12” long)</td>
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<td>2</td>
<td>6977A1-A</td>
<td>Flighting Assembly for 11’ (11’-2 1/2” long)</td>
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<td>6977A1-B</td>
<td>Flighting Assembly for 15’ (15’-2 1/2” long)</td>
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<td>4164A</td>
<td>Flighting Connecting Stub, 13/16” x 5 1/2” long</td>
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<td>3</td>
<td>3000A1</td>
<td>Motor Mount Rods</td>
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<td>4</td>
<td>5024A1</td>
<td>Straps f/ Motor Mount (top section)</td>
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<td>5</td>
<td>5025A1</td>
<td>Clips f/ Motor Mount (bottom section)</td>
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<td>6</td>
<td>6004A1</td>
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<td>5012A1</td>
<td>Rod Support</td>
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<td>6390D</td>
<td>1” Retainer Bearing w/ Lock Collar</td>
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<td>3-Hole Retainer f/ Bearing (2 req’d.) without ears</td>
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<td>4313C</td>
<td>Belt Guard</td>
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<td>13</td>
<td>4314C</td>
<td>Belt Guard Clamp Bar x 10 1/2” long</td>
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<td>40105</td>
<td>Belt, A-38</td>
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<td>Half Band, 4” x 2” wide (galv.)</td>
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<td>4318A</td>
<td>Intake Guard</td>
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<td>4057A</td>
<td>Control Gate</td>
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<td>6386C</td>
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