

CUSTOM BUILT DISTRIBUTING AUGERS

GENERAL INFORMATION

As the name implies, custom built augers are made to fit your specific requirements. Since these augers are normally installed in a permanent position, the selection of the proper size initially can save time and money later. For example, if today's requirements call for 1200 B.P.H. (32 TPH) capacity, a six inch auger would be adequate. Considering the fact that the unit may be installed 30 ft. (9.14 m) above ground as a fill auger over the top of several bins, an eight inch custom might be a better buy. The larger auger can be run slower giving a longer life plus allowing the capacity of the system to be increased in the future without costly replacement.

Intermediate bearings should always be used on overhead augers that have more than one discharge opening, as this application allows some portion of the auger to run empty. These bearings placed at 10' (3.05 m) intervals will keep the flighting centered to prevent contact with the tube, eliminating excess wear and noise. Intermediate bearings should be considered on any unit that is out in the open where inspection can be performed at bearing points.

The length of a custom auger is generally limited only by the capacity of the drive. Reducer drives should be considered in the longer or more demanding units. Reducers allow the use of larger sheaves which provide more belt contact thus reducing slippage. The larger the motor, the more important this becomes. Reducer drives also offer better speed control as they allow the use of a wider range of sheave sizes. The ability to control speed and flow is important in any system where one conveyor is feeding another.

Custom augers, like any other screw conveyor, should be operated at partial capacity until the unit is "polished up" before maximum capacity and efficiency can be expected.

In situations where an auger will be pressure-fed at the intake end, it is advisable to use a device for restricting the flow. This will keep the tube from filling so full that it tends to "jam" the flighting. Examples of these situations where over-filling can occur are: formed hopper pits under storage bins; dump pit to wet holding tank; bulk (hopper bottom) tank unloading. If an auger is kept from absolute filling, it will make start-up easier and will convey more efficiently. Slide gates and intake control gates can be used to restrict at the intake end. Slide gates can be shut down, but this can sometimes cause bridging, so it is advisable to use reduced pitch flight in combination with the gate control.

Augers to be placed in hopper pits under storage bins should not have intermediate bearings unless the complete auger is to be housed in a larger guide pipe. If the outside guide pipe is not used, the bearings prevent removal of the flighting in case of plugging. The outside pipe is usually recommended for this type of installation as it can prevent damage to the auger tube from excessive grain weight. Reducer drives are also recommended on these augers as they allow the use of larger sheaves resulting in a longer lasting drive for stopping and starting under a load.

WEIGHT CONVERSIONS

B.P.H.	CORN 56 Lbs./Bu. Cap./Hr.		SOYBEAN 62 Lbs./Bu. Cap./Hr.		OATS 32 Lbs./Bu. Cap./Hr.		WHEAT 60 Lbs./Bu. Cap./Hr.		RICE 45 Lbs. Cap./Hr.		MILO 69 Lbs. Cap./Hr.		RAPE SEED 48 Lbs. Cap./Hr.		MALT 37 Lbs. Cap./Hr.		FEED 50 Lbs. Cap./Hr.	
	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons	Tons	Met. Tons
500	14	12.5	15.5	13.8	8	7.1	15	13.4	11.2	10	17.3	15.4	12	10.7	9.3	8.2	12.5	11.1
750	21	18.8	23.3	20.7	12	10.7	22.5	20	16.8	15	25.9	23	18	16	13.9	12.3	18.8	16.7
900	25.2	22.5	27.9	24.8	14.4	12.8	27	24	20.3	18	31.1	27.6	21.6	19.2	16.7	14.8	22.5	20
1,000	28	25	31	27.6	16	14.2	30	26.7	22.5	20	34.5	30.7	24	21.4	18.5	16.5	25	22.3
1,250	35	31.3	38.8	34.5	20	17.8	37.5	33.4	28.1	25	43.1	38.4	30	26.7	23.1	20.6	31.3	27.8
1,600	44.8	40	49.6	44.1	25.6	22.8	48	42.7	36	32	55.2	49.1	38.4	34.2	29.6	23.6	40	35.6
1,500	42	37.5	46.5	41.3	24	21.4	45	40	33.8	30	51.8	46.1	36	32	27.8	24.7	37.5	33.4
2,000	56	50	62	55.1	32	28.5	60	53.4	45	40	69	61.4	48	42.7	37	32.9	50	44.5
3,000	84	75	93	82.8	48	42.7	90	80.1	67.5	60	103.5	92.1	72	64.1	55.5	49.4	75	66.8
4,000	112	100	124	110.4	64	57	120	106.8	90	80	138	122.8	96	85.4	74	65.9	100	89
5,000	140	125	155	137.9	80	71.2	150	133.5	112.5	100	172.5	153.5	120	106.9	92.5	82.3	125	111.3
6,000	168	150	186	165.5	96	85.4	180	160.2	135	120.2	207	184.2	144	128.2	111	98.8	150	133.5
7,000	210	187.5	232	206.9	120	106.8	225	200.3	168.8	150.1	258.8	230.3	180	160.2	138.8	123.5	187.5	166.9
8,000	238	212	263	234.5	136	121	255	227	191.3	170.2	293.3	261	204	181.6	157.3	140	212.5	189.1
10,000	294	262.5	325.5	289.7	168	149.5	315	280.4	231.3	210.3	362.3	322.4	252	224.3	194.3	172.9	262.5	233.6
15,000	420	375	465	413.9	240	213.6	450	400.5	337.5	300.4	517.5	460.6	360	320.4	277.5	247	375	333.8
20,000	560	500	620	551.8	320	284.8	600	534	450	400.5	690	614.1	480	427.2	370	329.3	500	445
25,000	700	625	775	689.8	400	356	750	667.4	562.5	600.6	862.5	767.6	600	534	467.5	411.6	625	556.3

LBS. = TONS x 2000
LBS. = METRIC TONS x 2200

WEIGHTS OF VARIOUS PRODUCTS PER CUBIC FOOT AND BUSHEL

Product	Lbs. Cu. Ft. (kg/cu.m)	Lbs. Bu.
Alfalfa Meal	10-15 (160-240 kg/cu. m)	14-19
Alfalfa Seed	48 (769 kg/cu. m)	60
Baking Powder	56 (897 kg/cu. m)	70
Barley (whole)	38 (609 kg/cu. m)	48
Barley, fine ground	46 (737 kg/cu. m)	57
Barley, malted	30 1/2 (489 kg/cu. m)	38
Barley Meal	28 (449 kg/cu. m)	35
Barley, scoured	41 (657 kg/cu. m)	51
Beans, white	43-48 1/4 (689-773 kg/cu. m)	54-60
Beet Pulp	16-20 (256-320 kg/cu. m)	20-25
Blood Flour	30 (481 kg/cu. m)	37 1/2
Blue Grass Seed	11 (176 kg/cu. m)	13
Bone Meal, loose	49 1/4 (789 kg/cu. m)	16 1/4
Bone and Meat Meal (loose)	45 (721 kg/cu. m)	56
Brewers Grain	15 1/2 (248 kg/cu. m)	19
Broom Corn Seed	41 3/4 (669 kg/cu. m)	52
Buckwheat, whole	37-41 (593-657 kg/cu. m)	48-52
Buckwheat Bran	15 1/2 (248 kg/cu. m)	19
Buckwheat Flour	41 (657 kg/cu. m)	51
Buckwheat Hulls	13 (208 kg/cu. m)	16
Buckwheat Middling	22 (352 kg/cu. m)	29
Buttermilk, dried	31 (497 kg/cu. m)	38 3/4
Cane Seed	41 (657 kg/cu. m)	52
Calcium Carbonate	75 (1202 kg/cu. m)	93 3/4
Cement, Portland, loose	90 (1442 kg/cu. m)	112 1/2
Charcoal, loose	24 (384 kg/cu. m)	30
Charcoal, fine	14 (224 kg/cu. m)	18
Clover Seed	48 (769 kg/cu. m)	60
Coconut Cake	33 (529 kg/cu. m)	41.6
Coconut Meal	38 (609 kg/cu. m)	48
Cocoa Shells	30 (481 kg/cu. m)	37
Coffee, roasted bean	26 (417 kg/cu. m)	33
Copra Meal, loose	27 (433 kg/cu. m)	33 1/2
Corn (shelled)	45 (721 kg/cu. m)	56
Corn Bran	13 (208 kg/cu. m)	16
Corn, cracked coarse	40 (641 kg/cu. m)	50
Corn (Ear)	56 (897 kg/cu. m)	70
Corn, cracked medium	38 (609 kg/cu. m)	48
Corn Feed Meal	33 1/2 (537 kg/cu. m)	41 3/4
Corn Hearts	32 1/4 (517 kg/cu. m)	40
Corn Meal	38-40 (609-641 kg/cu. m)	48-50
Corn and Cob Meal	35 1/2 (569 kg/cu. m)	44
Corn and Oat Chop	17 3/4 (284 kg/cu. m)	22
Corn Sugar	20 1/2 (328 kg/cu. m)	25 1/2
Cottonseed	22-27 (352-433 kg/cu. m)	28-33
Cottonseed Cake, cracked	41 (657 kg/cu. m)	49
Cottonseed Hulls	12 (192 kg/cu. m)	15
Cottonseed Meal	38 (609 kg/cu. m)	48
Cow Peas	45 (721 kg/cu. m)	56
Dairy Feed, light	18-22 (288-352 kg/cu. m)	24-28
Dairy Feed, heavy	20-28 (320-449 kg/cu. m)	27-35
Distillers Grains	18 (288 kg/cu. m)	22
Flax Feed	20 1/2 (328 kg/cu. m)	25 1/2
Flaxseed	43 1/2 (697 kg/cu. m)	54
Flax Screenings	27 1/4 (437 kg/cu. m)	34
Flour, Wheat	35-40 (561-641 kg/cu. m)	—
Germ Oil Meal	35 1/2 (569 kg/cu. m)	44
Gluten Feed	33 (529 kg/cu. m)	41
Gluten Meal	43 3/4 (701 kg/cu. m)	54
Grass Seed	10-12 (160-192 kg/cu. m)	—
Gravel, screened	90-100 (1442-1602 kg/cu. m)	—
Grit	86 (1378 kg/cu. m)	107 1/2
Hempseed	35 1/4 (565 kg/cu. m)	44
Hominy Feed	27 1/4 (437 kg/cu. m)	34
Hominy Meal	44 1/4 (709 kg/cu. m)	55
Hops, spent, dry	35 (561 kg/cu. m)	—
Hops, spent, wet	50-55 (801-881 kg/cu. m)	—
Kaffir Corn and Milo	40-45 (641-721 kg/cu. m)	50-56
Linseed Meal, old process	27 1/4 (437 kg/cu. m)	34
Linseed Meal, new process	23 (368 kg/cu. m)	28 3/4
Malt	23-31 (368-497 kg/cu. m)	30-38

Product	Lbs. Cu. Ft. (kg/cu. m)	Lbs. Bu.
Malt Sprouts	15 1/2 (248 kg/cu. m)	19
Melt, wet or green	60-65 (961-1041 kg/cu. m)	—
Meat Scraps, ground	41 (657 kg/cu. m)	51 1/4
Mill Run Feed, loose	19 (304 kg/cu. m)	23 3/4
Millet	40 (641 kg/cu. m)	50
Mill Dust	11 (176 kg/cu. m)	13 3/4
Milo and Kaffir Corn	40-45 (641-721 kg/cu. m)	50-56
Molasses, Gallon-11.7 lbs.	—	—
Molasses Feed	20-25 (320-401 kg/cu. m)	25-30
Oats, whole	25 (401 kg/cu. m)	32
Oat Feed	28 1/2 (457 kg/cu. m)	35
Oat Flour	34 (545 kg/cu. m)	42 1/2
Oat Groats, whole	46 1/2 (745 kg/cu. m)	58
Oats, ground fine	30 (481 kg/cu. m)	37 1/4
Oats, crushed	22 (352 kg/cu. m)	27 1/2
Oat Hulls	8 (128 kg/cu. m)	10
Oat Hulls, ground	11 1/4 (180 kg/cu. m)	14
Oat Meal	45 (721 kg/cu. m)	54
Oats, Steel Cut	30 (481 kg/cu. m)	37 1/2
Oat Middlings	38 (609 kg/cu. m)	48
Oats, rolled	19 (304 kg/cu. m)	23 3/4
Oyster Shell, medium	44 (705 kg/cu. m)	55 1/4
Peanuts	15-19 (240-304 kg/cu. m)	20-24
Peas, dried	48 (769 kg/cu. m)	60
Phosphate, ground	75 (1202 kg/cu. m)	93
Pop Corn, ear	56 (897 kg/cu. m)	70
Pop Corn, shelled	45 (721 kg/cu. m)	56
Rape Seed	48 1/4 (773 kg/cu. m)	60
Resin	69 (1105 kg/cu. m)	86
Rice Bran	21 (336 kg/cu. m)	26
Rice, clean	48 1/4 (773 kg/cu. m)	60
Rice, hulls	20 1/2 (328 kg/cu. m)	25
Rice, polished	30 (481 kg/cu. m)	38
Rice, rough	32 1/4 (517 kg/cu. m)	40
Rye (whole)	45 (721 kg/cu. m)	56
Rye, Bran	15-20 (240-320 kg/cu. m)	19-25
Rye, feed	33 (529 kg/cu. m)	41
Rye, malted	32 1/4 (517 kg/cu. m)	40
Rye, middlings	42 (673 kg/cu. m)	51
Rye, meal	40 (641 kg/cu. m)	50
Rye Shorts	33 1/2 (537 kg/cu. m)	41
Salt	70 (1121 kg/cu. m)	87
Salt, dry, coarse	45-50 (721-801 kg/cu. m)	—
Salt Cake, dry, coarse	85 (1362 kg/cu. m)	—
Sand, dry loose	106 (1698 kg/cu. m)	132 1/2
Sorghum Seed	32 1/4 (517 kg/cu. m)	40
Soybeans, cracked	32-36 (513-577 kg/cu. m)	—
Soybean, cake over 1/2-inch	40-43 (641-689 kg/cu. m)	—
Soybean Flakes, raw	18-26 (288-417 kg/cu. m)	—
Soybean Flour	27 (433 kg/cu. m)	—
Soybean Meal, cold	40 (641 kg/cu. m)	—
Soybean Meal, hot	40 (641 kg/cu. m)	—
Speltz	32-38 (513-609 kg/cu. m)	40-48
Starch, Corn	77 (1234 kg/cu. m)	96
Sugar	100 (1602 kg/cu. m)	124
Sulphur	125 (2003 kg/cu. m)	156
Sunflower Seed	38 1/2 (617 kg/cu. m)	48
Tankage	41 (657 kg/cu. m)	51 1/4
Timothy Seed	36 1/4 (581 kg/cu. m)	45
Vetch	52 (833 kg/cu. m)	65
Wheat, whole	48 (769 kg/cu. m)	60
Wheat, Bran	11-15 (176-240 kg/cu. m)	14-20
Wheat, cracked	35 (561 kg/cu. m)	44 1/4
Wheat, Flour, loose	31 (497 kg/cu. m)	38 1/2
Wheat, Flour, red dog	28 (449 kg/cu. m)	35
Wheat, ground fine	38 1/2 (617 kg/cu. m)	48
Wheat, middlings, coarse	30 (481 kg/cu. m)	38
Wheat, middlings, standard	20 (320 kg/cu. m)	25
Wheat, Screenings	17-25 (272-401 kg/cu. m)	22-35
Wheat, Shorts	15 (240 kg/cu. m)	20

WEIGHT OF A CUBIC FOOT SUBSTANCE

Product	Av. Weight Lbs. (kg)
Anthracite, solid	93 (42 kg)
Anthracite, broken, loose	54 (24 kg)
Anthracite, broken moderately shaken	58 (26 kg)
Anthracite, heaped, bushel, loose	80 (36 kg)
Ash, American white, dry	38 (17 kg)
Asphaltum	87 (39 kg)
Brick, best pressed	150 (68 kg)
Brick, common, hard	125 (57 kg)
Brickwork, pressed brick	140 (64 kg)
Brickwork, ordinary	112 (51 kg)
Cement, hydraulic, ground, loose, American, Rosedale	58 (26 kg)
Cement, hydraulic, ground, loose, American, Louisville	50 (23 kg)
Cement, hydraulic, ground, loose, English, Portland	80 (36 kg)
Cherry, dry	42 (19 kg)
Chestnut, dry	41 (19 kg)
Coal, bituminous, solid	84 (38 kg)
Coal, bituminous, broken, loose	49 (22 kg)
Coal, bituminous, heaped bushel, loose	74 (34 kg)
Coke, loose, of good coal	27 (12 kg)
Coke, loose, heaped bushel	38 (17 kg)
Clay	119 (54 kg)
Earth, common loam, dry loose	76 (34 kg)
Earth, common loam, dry, moderately rammed	95 (43 kg)
Earth, as a soft flowing mud	108 (49 kg)
Ebony, dry	76 (34 kg)
Elm, dry	35 (16 kg)
Flint	162 (73 kg)
Glass, common window	157 (71 kg)
Gypsum	143 (65 kg)
Granite	170 (77 kg)
Gravel, about the same as sand	—
Hemlock, dry	25 (11 kg)
Hickory, dry	53 (24 kg)
Ice	58.7 (27 kg)
Ivory	114 (52 kg)
Lignum Vitae, dry	83 (38 kg)

Product	Av. Weight Lbs. (kg)
Lime, quick, ground, loose, or in small lumps	53 (24 kg)
Lime, quick, ground, loose, thoroughly shaken	75 (34 kg)
Lime, quick, ground, loose, per struck bushel	66 (30 kg)
Limestones and Marbles	168 (76 kg)
Limestones and Marbles, loose in irregular fragments.	96 (44 kg)
Mahogany, Spanish, dry	53 (24 kg)
Mahogany, Honduras, dry	35 (16 kg)
Maple, dry	49 (22 kg)
Masonry, of granite of limestone, well dressed	165 (75 kg)
Masonry, of mortar rubble	154 (70 kg)
Masonry, dry, well scabbled	138 (63 kg)
Masonry, sandstone, well dressed	144 (65 kg)
Mercury, at 32 degree Fahrenheit	849 (385 kg)
Mica	183 (83 kg)
Mortar, hardened	103 (24 kg)
Mud, dry, close	80-100 (36-45 kg)
Mud, wet, fluid, maximum	120 (54 kg)
Oak, live, dry	59 (27 kg)
Oak, white, dry	52 (24 kg)
Oak, other kinds	32-45 (15-20 kg)
Petroleum	55 (25 kg)
Pine, white dry	25 (11 kg)
Pine, yellow, northern	34 (15 kg)
Pine, yellow, southern	45 (20 kg)
Plumbago	140 (64 kg)
Quartz, common, pure	165 (75 kg)
Rosin	69 (31 kg)
Salt, coarse	45 (20 kg)
Salt, fine, for table use	49 (22 kg)
Sand, well shaken	98-117 (44-53 kg)
Sand, perfectly wet	120-140 (54-64 kg)
Sandstone, fit for building	151 (68 kg)
Shales, red or black	162 (73 kg)
Slate	175 (79 kg)
Snow, freshly fallen	5-12 (2-5 kg)
Snow, moistened and compacted by rain	15-50 (7-23 kg)
Sulphur	125 (57 kg)

Square Measure

144 square inches	1 square foot
9 square feet	1 square yard
30 1/4 square yards	1 square rod
40 square rods	1 rood
4 roods	1 acre
640 acres	1 square mile

Cubic Measure

1728 cubic inches	1 cubic foot
27 cubic feet	1 cubic yard
40 cubic feet	1 ton (shipping)
128 cubic feet	1 cord (wood)
2150.42 cubic inches	1 standard bushel
231 cubic inches	1 standard gallon
1 cubic foot	about 4/5 of a bushel

Cubic foot to bushel	x .8
Bushel to cubic foot	x 1.2

AUGER SPEED CHART

The following charts show the auger R.P.M. achieved when using the stated sheave combinations. Sheave sizes are given by outside diameter unless noted.

SPEED OF AUGER BASED ON MOTOR SPEED OF 1750 RPM

DRIVE SHEAVE	DRIVEN SHEAVE	AUGER SPEED R.P.M.
3" (76 mm)	9" (22.9 cm)	583
3" (76 mm)	12" (30.5 cm)	438
3" (76 mm)	15" (38.1 cm)	350
3" (76 mm)	18" (45.7 cm)	292
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3.5" (89 mm)	9" (22.9 cm)	681
3.5" (89 mm)	12" (30.5 cm)	510
3.5" (89 mm)	15" (38.1 cm)	408
3.5" (89 mm)	18" (45.7 cm)	340
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3.4"* (86 mm)	9" (22.9 cm)	778
3.4"* (86 mm)	12" (30.5 cm)	583
3.4"* (86 mm)	15" (38.1 cm)	467
3.4"* (86 mm)	18" (45.7 cm)	389
3.4"* (86 mm)	18.4"* (46.7 cm)	323
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3.8"* (97 mm)	9" (22.9 cm)	875
3.8"* (97 mm)	12" (30.5 cm)	655
3.8"* (97 mm)	15" (38.1 cm)	526
3.8"* (97 mm)	18" (45.7 cm)	438
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4.6"* (11.7 cm)	9" (22.9 cm)	972
4.6"* (11.7 cm)	12" (30.5 cm)	729
4.6"* (11.7 cm)	15" (38.1 cm)	583
4.6"* (11.7 cm)		

*Pitch Diameter

GEAR REDUCERS WITH 4.0-1 RATIO AND MOTOR SPEED OF 1750 RPM

DRIVE SHEAVE		DRIVEN SHEAVE	AUGER SPEED	
P.D.	O.D.	P.D.	O.D.	RPM
	3.0 (76 mm)		12.0 (30.5 cm)	
4.6 (11.7 cm)	5.0 (12.7 cm)		12.0 (30.5 cm)	110
4.6 (11.7 cm)	5.0 (12.7 cm)		15.0 (38.1 cm)	130
3.8 (97 mm)	4.2 (10.7 cm)	8.6 (21.8)	12.0 (30.5 cm)	148
4.6 (11.7 cm)	5.0 (12.7 cm)	8.6 (21.8)	9.0 (22.9 cm)	185
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4.6 (11.7 cm)	5.0 (12.7 cm)	7.4 (18.8)	9.0 (22.9 cm)	208
4.6 (11.7 cm)	5.0 (12.7 cm)	6.4 (16.3)	7.8 (19.8 cm)	250
4.6 (11.7 cm)	5.0 (12.7 cm)	5.6 (14.2)	6.8 (17.3 cm)	285
4.6 (11.7 cm)	5.0 (12.7 cm)	4.6 (11.7)	6.0 (15.2 cm)	327
	5.0 (12.7 cm)		5.0 (12.7 cm)	370

GEAR REDUCERS WITH 5.0-1 RATIO AND MOTOR SPEED OF 1750 RPM

DRIVE SHEAVE		DRIVEN SHEAVE	AUGER SPEED (RPM)	
P.D.	O.D.	P.D.	O.D.	RPM
3.8 (97 mm)	4.2 (10.7 cm)	15.4 (39.1 cm)	15.8 (40.1 cm)	94
4.6 (11.7 cm)	5.0 (12.7 cm)	15.4 (39.1 cm)	15.8 (40.1 cm)	123
4.2 (10.7 cm)	4.6 (11.7 cm)	15.4 (39.1 cm)	15.8 (40.1 cm)	103
3.8 (97 mm)	4.2 (10.7 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	116
4.2 (10.7 cm)	4.6 (11.7 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	127
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4.6 (11.7 cm)	5.0 (12.7 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	139
5.6 (14.2 cm)	6.0 (15.2 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	167
5.0 (12.7 cm)	5.4 (13.7 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	150
6.0 (15.2 cm)	6.4 (16.3 cm)	12.4 (31.5 cm)	12.8 (32.5 cm)	178
4.6 (11.7 cm)	5.0 (12.7 cm)	9.4 (23.9 cm)	9.8 (25.0 cm)	181
5.0 (12.7 cm)	5.4 (13.7 cm)	9.4 (23.9 cm)	9.8 (25.0 cm)	196
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5.6 (14.2 cm)	6.0 (15.2 cm)	9.4 (23.9 cm)	9.8 (25.0 cm)	218
6.0 (15.2 cm)	6.4 (16.3 cm)	9.4 (23.9 cm)	9.8 (25.0 cm)	232
6.4 (16.3 cm)	6.8 (17.3 cm)	9.4 (23.9 cm)	9.8 (25.0 cm)	247
4.6 (11.7 cm)	5.0 (12.7 cm)	7.4 (18.8 cm)	7.8 (19.8 cm)	227
5.6 (14.2 cm)	6.0 (15.2 cm)	7.4 (18.8 cm)	7.8 (19.8 cm)	273
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6.0 (15.2 cm)	6.4 (16.3 cm)	7.4 (18.8 cm)	7.8 (19.8 cm)	291
6.4 (16.3 cm)	6.8 (17.3 cm)	7.4 (18.8 cm)	7.8 (19.8 cm)	309
6.4 (16.3 cm)	6.8 (17.3 cm)	6.4 (16.3 cm)	6.8 (17.3 cm)	355

MOTOR REQUIREMENTS

HORIZONTAL AUGERS

AUGER SIZE	6" (15.2 cm)	8" (20.3 cm)	10" (25.4 cm)	12" (30.5 cm)
MOTOR SIZE	LENGTH OF AUGER, in feet (meters)			
1 1/2 H.P. (1.1 kw)	15 (4.57 m)	—	—	—
2 H.P. (1.5 kw)	25 (7.62 m)	15 (4.57 m)	10 (3.05 m)	—
3 H.P. (2.2 kw)	45 (13.72 m)	25 (7.62 m)	20 (6.10m)	15 (4.57 m)
5 H.P. (4 kw)	70 (21.34 m)	50 (15.24 m)	35 (10.67 m)	25 (7.62 m)
7 1/2 H.P. (5.5 kw)	110 (33.53 m)	80 (24.38 m)	50 (15.24 m)	40 (12.19 m)
10 H.P. (7.5 kw)	—	110 (33.53 m)	80 (24.38 m)	50 (15.24 m)
15 H.P. (11 kw)	—	—	110 (33.53 m)	80 (24.38 m)
CAPACITY B.P.H. (Capacity TPH)	900 - 1200 (24 - 32 TPH)	1500 - 2000 (41 - 54 TPH)	2500 - 3500 (68 - 95 TPH)	4000 - 5000 (108 - 135 TPH)

VERTICAL AUGERS

AUGER SIZE	6" (15.2 cm)	8" (20.3 cm)	10" (25.4 cm)	12" (30.5 cm)
MOTOR SIZE	LENGTH OF AUGER, in feet (meters)			
2 H.P. (1.5 kw)	15 (4.57 m)	10 (3.05 m)	—	—
3 H.P. (2.2 kw)	25 (7.62 m)	15 (4.57 m)	10 (3.05 m)	—
5 H.P. (4 kw)	35 (10.67 m)	25 (7.62 m)	15 (4.57 m)	12 (3.66 m)
7 1/2 H.P. (5.5 kw)	45 (13.72 m)	35 (10.67 m)	25 (7.62 m)	20 (6.10 m)
10 H.P. (7.5 kw)	60 (18.29 m)	50 (15.24 m)	40 (12.19 m)	30 (9.14 m)
CAPACITY B.P.H. (Capacity TPH)	250-300 (7 - 8 TPH)	600-800 (16 - 22 TPH)	900-1200 (24 - 32 TPH)	1800-2500 (49 - 68 TPH)

These recommendations are to be used as a guide. Requirements will vary with the condition and kind of grain, loading factor, RPM, kind of material conveyed, use of reduction, etc. We will be glad to assist you with specific recommendations if you will give us details of the particular conveying job. For high moisture use a 1.5 multiplier for power, that is, where a 10 H.P. (7.5 kw) motor will handle dry grain, we recommend a 15 H.P. (11 kw) for high moisture grain.

CAPACITIES AND POWER REQUIREMENTS

Ratings are established in horizontal position using a 45% loading factor. For 100% loading, double the stated B.P.H. (TPH) plus double the H.P. (kw) requirement. Using an auger in vertical position causes a drop in capacity which practically eliminates the need for additional H.P. (kw) however, it is recommended to use the next larger motor after figuring the requirement below. If the possibility exists in a given system of moving wet grain (or a material using a higher power factor than dry corn) it is recommended to use the next larger motor. If any doubts exist in the H.P. (kw) requirement, please consult the factory.

4" (10.2 cm) Auger, 4" (10.2 cm) Dia. Housing
w/3 1/4" O.D. (83 mm) Flight
Horizontal Position 45% loading factor
30 B.P.H. (1 TPH) per 100 RPM
.05 H.P. (.01 kw) required per 10' (3.05 m) per 100 RPM

6" (15.2 cm) Auger, 6" (15.2 cm) Dia. Housing
w/5" O.D. (12.7 cm) Flight
Horizontal Position 45% loading factor
100 B.P.H. (3 TPH) per 100 RPM
.13 H.P. (.03 kw) req'd per 10' (3.05 m) per 100 RPM

8" (20.3 cm) Auger, 8" (20.3 cm) Dia. Housing
w/7" O.D. (17.8 cm) Flight
Horizontal Position 45% loading factor
260 B.P.H. (7 TPH) per 100 RPM
.25 H.P. (.06 kw) req'd per 10' (3.05 m) per 100 RPM

10" (25.4 cm) Auger, 10" (25.4 cm) Dia. Housing
w/9" O.D. (22.9 cm) Flight
Horizontal Position 45% loading factor
700 B.P.H. (19 TPH) per 100 RPM
.45 H.P. (.11 kw) req'd per 10' (3.05 m) per 100 RPM

12" (30.5 cm) Auger, 12" (30.5 cm) Dia. Housing
w/11" O.D. (27.9 cm) Flight
Horizontal Position 45% loading factor
1300 B.P.H. (35 TPH) per 100 RPM
.65 H.P. (.16 kw) req'd per 10' (3.05 m) per 100 RPM

14" (35.6 cm) Auger, 14" (35.6 cm) Dia. Housing
w/13" O.D. (33.0 cm) Flight
Horizontal Position 45% loading factor
1800 B.P.H. (49 TPH) per 100 RPM
.9 H.P. (.22kw) req'd per 10' (3.05 m) per 100 RPM

The above capacities are based on the power factor which is common to dry grains including barley, bran, brewers grain, shelled corn, corn germ, corn meal, cottonseed meal, malt, maize, oats, rice, rye, soybeans, timothy, wheat and cracked wheat.

GENERAL CAPACITIES BUSHELS PER HOUR - BPH (TONS PER HOUR - TPH)

FOR SCREW CONVEYORS

The capacities listed are based on horizontal operation with clean, dry corn at approximately 90% load, which in most cases is maximum. Capacities will vary according to grain type, grain condition, loading method, etc.

AUGER	SHEAVE OUTSIDE DIAMETER	R.P.M.	CAPACITY PER 100 R.P.M. (90% LOAD)	NET CAPACITY AT STATED R.P.M.	% LOSS FOR ANGLE OF OPERATION	% LOSS FOR INCREASE MOISTURE
4" (10.2 cm)	2.5" - 5" (64 mm - 12.7 cm)	875	60 (2 TPH)	525 (14 TPH)	45°	90°
	2.5" - 8" (64 mm - 20.3 cm)	547	60 (2 TPH)	328 (9 TPH)		
	2.5" - 10" (64 mm - 25.4 cm)	437	60 (2 TPH)	262 (7 TPH)		
	2.5" - 12" (64 mm - 30.5 cm)	365	60 (2 TPH)	219 (6 TPH)		
	2.5" - 14" (64 mm - 35.6 cm)	312	60 (2 TPH)	187 (5 TPH)		
6" (15.2 cm)	3" - 12" (76 mm - 30.5 cm)	438	250 (7 TPH)	1095 (30 TPH)	Approximately 20% loss unless unit pressure fed.	Approximately 50% loss unless unit pressure fed.
	3.5" - 12" (89 mm - 30.5 cm)	510	250 (7 TPH)	1275 (34 TPH)		
	3.5" - 15" (89 mm - 38.1 cm)	408	250 (7 TPH)	1020 (28 TPH)		
	3" - 15" (76 mm - 38.1 cm)	350	250 (7 TPH)	875 (24 TPH)		
	3.5" - 15" (89 mm - 38.1 cm) (2 to 1 Reducer)	204	250 (7 TPH)	510 (14 TPH)		
8" (20.3 cm)	3" - 12" (76 mm - 30.5 cm)	438	500 (14 TPH)	2190 (59 TPH)		
	3.5" - 15" (89 mm - 38.1 cm)	350	500 (14 TPH)	1750 (47 TPH)		
	3.5" - 12" (89 mm - 30.5 cm) (3 to 1 Reducer)	170	500 (14 TPH)	850 (23 TPH)		
	5" - 12" (12.7 cm - 30.5 cm) (3 to 1 Reducer)	243	500 (14 TPH)	1215 (33 TPH)		
10" (25.4 cm)	3" - 15" (76 mm - 38.1 cm)	350	1100 (30 TPH)	3850 (104 TPH)		
	5" - 12" (12.7 cm - 30.5 cm) (3 to 1 Reducer)	243	1100 (30 TPH)	2673 (89 TPH)		
	3.5" - 15" (89 mm - 38.1 cm) (3 to 1 Reducer)	136	1100 (30 TPH)	1496 (40 TPH)		
12" (30.5 cm)	3" - 15" (76 mm - 38.1 cm)	350	1800 (49 TPH)	6300 (170 TPH)		
	5" - 12" (12.7 cm - 30.5 cm) (3 to 1 Reducer)	243	1800 (49 TPH)	4378 (118 TPH)		
	3.5" - 15" (89 mm - 38.1 cm) (3 to 1 Reducer)	136	1800 (49 TPH)	2448 (66 TPH)		
	5" - 7.4" PD (12.7 cm - 18.8 cm) (4 to 1 Reducer)	280	1800 (49 TPH)	5040 (136 TPH)		
14" (35.6 cm)	3.5" - 11" PD (89 mm - 27.9 cm) (4 to 1 Reducer)	127	3200 (86 TPH)	4064 (110 TPH)		
	5" PD - 11" PD (12.7 cm - 27.9 cm) (4 to 1 Reducer)	200	3200 (86 TPH)	6400 (173 TPH)		
	7.4" PD - 11" PD (18.8 cm - 27.9 cm) (4 to 1 Reducer)	294	3200 (86 TPH)	9400 (254 TPH)		

25% moisture grain can result in approximately 40% loss in capacity.

PD - Pitch Diameter

CUSTOM AUGERS MAY BE ORDERED IN ANY LENGTH YOU REQUIRE. Unless specified, the length ordered is regarded to as the flight length and the housing is one foot (30.5 cm) shorter than the flight length. [i.e. If a 21' (6.40 m) unit is ordered, the housing will be 20' 0" (6.10 m) long and the flight will extend a foot (30.5 cm) past the end of the housing.]

OPTIONS:

Reduced Pitch Flighting - Can be added to the intake end of the flight - 2' (61.0 cm) is the add-on standard.

Internal Bearings - Use on augers with intermediate drops or those to be run at low capacity.
Use at 10' (3.05 m) intervals the full length of the auger.

6" CUSTOM BUILT DISTRIBUTING AUGERS

Catalog No.	Custom Type	Galvanized Housing Size	Flight Thickness	Flight Shaft Size	Stub Size	Wt. lbs. Per Foot	Price Per Foot
H1603A*	Standard	6" x 16 GA (15.2 cm x 1.52 mm)	11 GA (3 mm)	1 1/4 Tube x 12 GA (32 mm x 2.66 mm)	1" (25 mm)	6.5 (3 kg)	\$ 30.00
H1603M	Medium Duty	6" x 16 GA (15.2 cm x 1.52 mm)	7 GA (4.5 mm)	1 1/4 Tube x 12 GA (32 mm x 2.66 mm)	1" (25 mm)	7 (3.2 kg)	32.00
H1603H	Heavy Duty	6" x 16 GA (15.2 cm x 1.52 mm)	7 GA (4.5 mm)	1.9 O.D. (48 mm)	1" (25 mm)	8 (4 kg)	36.00

2' (61.0 cm) Reduced Pitch Flight mounted to intake end of flight - Catalog No. H1696A - Add on price \$ 45.00. (Not available for Heavy Duty.)
Internal Bearing Installed - Catalog No. H1606A - Price \$ 113.00 each. Internal Bearing Not Installed - Catalog No. H1606AX - Price \$ 85.00 each.
12 Gauge (2.66 mm) Galvanized Housing - Catalog No. H1604M or H1604H - Add on price \$7.00 per foot.

* **NOTE: Internal Bearings used with Heavy-Duty flight only.**

8" CUSTOM BUILT DISTRIBUTING AUGERS

Catalog No.	Custom Type	Galvanized Housing Size	Flight Thickness	Flight Shaft Size	Stub Size	Wt. lbs. Per Foot	Price Per Foot
H1803G	Medium	8" x 14 GA (20.3 cm x 1.9 mm)	7 GA (4.5 mm)	1.9 O.D. (48 mm)	1-1/4" (32 mm)	10.5 (5 kg)	\$ 42.00
H1803H	Heavy Duty	8" x 14 GA (20.3 cm x 1.9 mm)	1/4" (6 mm)	1.9 O.D. (48 mm)	1-1/4" (32 mm)	12 (5.5 kg)	47.00
H1804H	Heavy Duty	8" x 12 GA (20.3 cm x 2.66 mm)	1/4" (6 mm)	1.9 O.D. (48 mm)	1-1/4" (32 mm)	14.5 (7 kg)	56.00

2' (61.0 cm) Reduced Pitch Flight mounted to intake end of flight - Catalog No. H1896A - Add on price \$ 69.00. Internal Bearing Installed - Catalog No. H1806A - Price \$ 131.00 each. Internal Bearing Not Installed - Catalog No. H1806AX - Price \$104.00 each.

10" CUSTOM BUILT DISTRIBUTING AUGERS

Catalog No.	Custom Type	Galvanized Housing Size	Flight Thickness	Flight Shaft Size	Stub Size	Wt. lbs. Per Foot	Price Per Foot
H2003A	Standard	10" x 12 GA (25.4 cm x 2.66 mm)	7 GA (4.5 mm)	2.375" O.D. (60 mm)	1-1/2" (38 mm)	16.5 (7 kg)	\$ 62.00
H2003H	Heavy Duty	10" x 12 GA (25.4 cm x 2.66 mm)	1/4" (6 mm)	2.375" O.D. (60 mm)	1-1/2" (38 mm)	18 (8 kg)	67.00

2' (61.0 cm) Reduced Pitch Flight mounted to intake end of flight - Catalog No. H2096A - Add on price \$ 80.00. Internal Bearing Installed - Catalog No. H2006A - Price \$ 138.00 each. Internal Bearing Not Installed - Catalog No. H2006AX - Price \$108.00 each.
10 Ga. Housing - Add \$12.00 per foot.

12" CUSTOM BUILT DISTRIBUTING AUGERS

Catalog No.	Custom Type	Galvanized Housing Size	Flight Thickness	Flight Shaft Size	Stub Size	Wt. lbs. Per Foot	Price Per Foot
H2203A	Standard	12" x 12 GA (30.5 cm x 2.66 mm)	7 GA (4.5 mm)	2.875 O.D. (73 mm)	2" (51 mm)	24 (11 kg)	\$ 91.00
H2203M	Medium Duty	12" x 12 GA (30.5 cm x 2.66 mm)	1/4" (6 mm)	2.875 O.D. (73 mm)	2" (51 mm)	29 (13 kg)	97.00
H2203H	Heavy Duty	12" x 12 GA (30.5 cm x 2.66 mm)	3/8" (10 mm)	2.875 O.D. (73 mm)	2" (51 mm)	31 (14 kg)	117.00

2' (61.0 cm) Reduced Pitch Flight {1/4" only (6mm)} mounted to intake end of flight - Catalog No. H2296A - Add on price \$ 122.00.
Internal Bearing Installed - Catalog No. H2206A - Price \$ 182.00 each.

Internal Bearing Not Installed - Catalog No. H2206AX - Price \$ 166.00 each.

10 ga. (3.43 mm) Housing - Catalog No. H2204M or H2204H - Add on price \$7.00 per foot.

14" CUSTOM BUILT DISTRIBUTING AUGERS

Catalog No.	Custom Type	Painted Housing Size	Flight Thickness	Flight Shaft Size	Stub Size	Wt. lbs. Per Foot	Price Per Foot
H2403A	Standard	14" x 12 GA (38.1 cm x 2.66 mm)	1/4" (6 mm)	3.50" O.D. (89 mm)	2" (51 mm)	36 (16 kg)	\$ 100.00
H2403H	Heavy Duty	14" x 12 GA (38.1 cm x 2.66 mm)	3/8" (10 mm)	3.50" O.D. (89 mm)	2" (51 mm)	36 (16 kg)	124.00

2' (61.0 cm) Reduced Pitch Flight mounted to intake end of flight - Catalog No. H2496A - Add on price \$ 139.00. Internal Bearing Installed - Catalog No. H2406A - Price \$ 252.00 each. Internal Bearing Not Installed. Catalog No. H2406AX \$225.00

6" CUSTOM BUILT DISTRIBUTING AUGER DRIVES

Three different Drive Units are available for 6" (15.2 cm) Distributing Augers: Standard, Heavy-Duty - 15" (38.1 cm), Heavy-Duty - 18.4" (46.7 cm) and Heavy-Duty 2-1 Oil Bath Chain. Selection will depend on application and speed required. Drives are mounted at Discharge End unless specified at Intake End. Drives include: Head Plate with Bearing, Driven Pulley, Belt(s) and Belt Guard.

* Driver Pulley not furnished with drive.

Catalog No.	Drive Type	Usage Limitation	No. of Belts	*Driver Pulley	Driven Pulley	Flight RPM	Wt. lbs. (kg)	List Price
H16000A	Standard Duty	3 HP (2.2 kw)	1	3" (76 mm)	12" (30.5 cm)	438	37 (17 kg)	\$ 296.00
H16010A	Standard Duty	5 HP (4 kw)	2	3" (76 mm)	12" (30.5 cm)	438	40 (18 kg)	319.00
H16020A	Standard Duty	7-1/2 HP (5.5 kw)	3	3" (76 mm)	12" (30.5 cm)	438	43 (20 kg)	336.00
H16710A	Standard Duty	5 HP (4 kw)	2	3" (76 mm)	15" (38.1 cm)	350	50 (23 kg)	365.00
H16720A	Standard Duty	7-1/2 HP (5.5 kw)	3	3" (76 mm)	15" (38.1 cm)	350	52 (24 kg)	390.00
H1601H	Heavy Duty	5 HP (4 kw)	2	3" (76 mm)	15" (38.1 cm)	350	66 (30 kg)	517.00
H1602H	Heavy Duty	10 HP (7.5 kw)	3	3" (76 mm)	15" (38.1 cm)	350	70 (32 kg)	536.00
H1670H	Heavy Duty	5 HP (4 kw)	2	3" (76 mm)	18.4" (46.7 cm)	279	72 (33 kg)	713.00
H1671H	Heavy Duty	10 HP (7.5 kw)	3	3" (76 mm)	18.4" (46.7 cm)	279	76 (34 kg)	735.00
H1601C	Heavy Duty (2 to 1) Chain	7-1/2 HP (5.5 kw)	2	3.5" (89 mm)	15" (38.1 cm)	204	122 (55 kg)	923.00
H1602C	Heavy Duty (2 to 1) Chain	10 HP (7.5 kw)	3	3.5" (89 mm)	15" (38.1 cm)	204	123 (56 kg)	933.00

For Drive Not Installed, Add an "X" to the catalog number, i.e. H1600AX.

For Heavy Duty Drive with 1 1/4" (32 mm) head shaft and bearing, Add "B" to the catalog number, i.e. H1601HB and add \$18.00 to the List Price. Requires H1603H Auger.

Larger driver pulleys may be used for higher auger speeds in some applications. See the Operator's Manual.

H1601C & H1602C Drives use an 1-1/4" stub.

8" CUSTOM BUILT DISTRIBUTING AUGER DRIVES

Three different drive units are available for 8" (20.3 cm) Distributing Augers: Standard, Heavy-Duty and Heavy-Duty 3-1 Oil Bath Chain. Selection will depend on application and speed required. Drives are mounted at Discharge End unless specified at Intake End. Drives include: Head Plate with Bearing or Reduction Unit, Driven Pulley, Belts and Belt Guard.

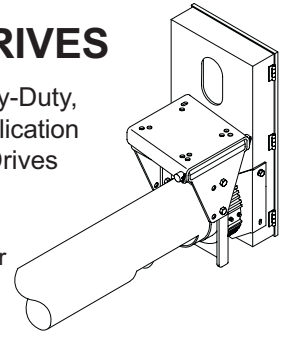
* Driver Pulley not furnished with drive.

Catalog No.	Drive Type	Usage Limitation	No. of Belts	*Driver Pulley	Driven Pulley	Flight RPM	Wt. lbs. (kg)	List Price
H18010A	Standard Duty	5 HP (4 kw)	2	3.4" P.D. (86 mm)	15.0" O.D. (38.1 cm)	443	57 (26 kg)	\$ 364.00
H18020A	Standard Duty	7-1/2 HP (5.5 kw)	3	3.4" P.D. (86 mm)	15.0" O.D. (38.1 cm)	443	60 (27 kg)	389.00
H1801H	Heavy Duty	5 HP (4 kw)	2	3.4" P.D. (86 mm)	15.0" O.D. (38.1 cm)	443	76 (34 kg)	547.00
H1802H	Heavy Duty	10 HP (7.5 kw)	3	3.4" P.D. (86 mm)	15.0" O.D. (38.1 cm)	443	78 (35 kg)	568.00
H1870H	Heavy Duty	5 HP (4 kw)	2	3.4" P.D. (86 mm)	18.4" P.D. (46.7 cm)	323	82 (37 kg)	744.00
H1871H	Heavy Duty	10 HP (7.5 kw)	3	3.4" P.D. (86 mm)	18.4" P.D. (46.7 cm)	323	84 (38 kg)	769.00
H1801C	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	2	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	128 (58 kg)	1,127.00
H1802C	Heavy Duty 3-1 Chain	15 HP (11 kw)	3	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	129 (59 kg)	1,144.00
H1801C1	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	128 (58 kg)	1,127.00
H1802C1	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	129 (59 kg)	1,134.00
H1801C2	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	132 (60 kg)	1,121.00
H1802C2	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	133 (61 kg)	1,157.00

For Drive Not Installed, Add an "X" to the catalog number, i.e. H1801HX.

10" CUSTOM BUILT DISTRIBUTING AUGER DRIVES

Four different Drive Units are available for 10" (25.4 cm) Distributing Augers: Standard, Heavy-Duty, Heavy-Duty 3-1 Oil Bath Chain and Heavy-Duty Reducer Drive. Selection will depend on application and speed required. Drives are mounted at Discharge End unless specified at intake End. Drives include: Head Plate with Bearing or Reduction Unit, Driven Pulley, Belts and Belt Guard.



Heavy-Duty Reducer Drive Shown

* Driver Pulley not furnished with drive.

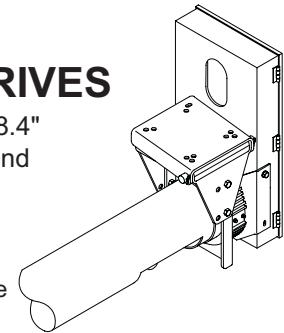
Catalog No.	Drive Type	Usage Limitation	No. of Belts	*Driver Pulley	Driven Pulley	Flight RPM	Wt. lbs. (kg)	List Price
H2000H	Heavy Duty	5 HP (4 kw)	2	3.0" O.D. (76 mm)	15.0" O.D. (38.1 cm)	350	104 (47 kg)	\$598.00
H2001H	Heavy Duty	10 HP (7.5 kw)	3	3.0" O.D. (76 mm)	15.0" O.D. (38.1 cm)	350	107 (49 kg)	616.00
H2002H	Heavy Duty	15 HP (11 kw)	4	3.4" P.D. (86 mm)	15.4" P.D. (39.1 cm)	386	135 (61 kg)	758.00
H2070A	Heavy Duty	5 HP (4 kw)	2	3.0" O.D. (76 mm)	18.4" P.D. (46.7 cm)	280	104 (47 kg)	786.00
H2071A	Heavy Duty	10 HP (7.5 kw)	3	3.0" O.D. (76 mm)	18.4" P.D. (46.7 cm)	280	114 (52 kg)	809.00
H2000C	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	2	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	127 (58 kg)	1,085.00
H2001C	Heavy Duty 3-1 Chain	15 HP (11 kw)	3	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	128 (59 kg)	1,110.00
H2000C1	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	127 (58 kg)	1,085.00
H2001C1	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	128 (59 kg)	1,100.00
H2000C2	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	131 (60 kg)	1,078.00
H2001C2	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	132 (61 kg)	1,114.00
+H2001HR	Heavy Duty Reducer (4 to 1)	15 HP (11 kw)	3	5.0" O.D. (12.7 cm)	7.4" P.D. (18.8 cm)	280	162 (73 kg)	1,869.00
+H2002HR	Heavy Duty Reducer (4 to 1)	20 HP (15 kw)	4	5.0" O.D. (12.7 cm)	7.4" P.D. (18.8 cm)	280	186 (84 kg)	1,897.00

+ Head end of flight must be bushed to 2" (51 mm) for Heavy Duty Reducer Drives.

For Drive Not Installed, Add an "X" to the catalog number, i.e. H2000AX.

12" CUSTOM BUILT DISTRIBUTING AUGER DRIVES

Three different Drive Units are available for 12" (30.5 cm) Distributing Augers: Heavy-Duty - 18.4" (46.7 cm), Heavy-Duty 3-1 Oil Bath Chain and Heavy-Duty Reducer Drive. Selection will depend on application and speed required. Drives are mounted at Discharge End unless specified at Intake End. Drives include: Head Plate with Bearing, Driven Pulley, Belts and Belt Guard.



Heavy-Duty Reducer Drive Shown

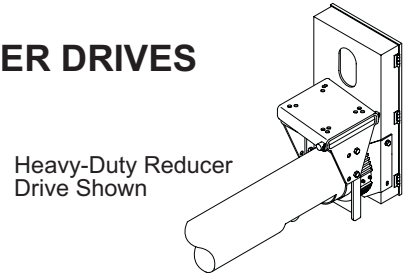
* Driver Pulley not furnished with drive.

Catalog No.	Drive Type	Usage Limitation	No. of Belts	*Driver Pulley	Driven Pulley	Flight RPM	Wt. lbs. (kg)	List Price
H2270A	Heavy Duty	5 HP (4 kw)	2	3.0" O.D. (76 mm)	18.4" P.D. (46.7 cm)	280	172 (78 kg)	\$1,019.00
H2271A	Heavy Duty	10 HP (7.5 kw)	3	3.0" O.D. (76 mm)	18.4" P.D. (46.7 cm)	280	180 (82 kg)	1,055.00
H2200C	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	2	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	126 (57 kg)	1,088.00
H2201C	Heavy Duty 3-1 Chain	15 HP (11 kw)	3	5.0" O.D. (12.7 cm)	12.0" O.D. (30.5 cm)	243	127 (58 kg)	1,117.00
H2200C1	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	126 (57 kg)	1,088.00
H2201C1	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	12.0" O.D. (30.5 cm)	170	127 (58 kg)	1,117.00
H2200C2	Heavy Duty 3-1 Chain	5 HP (4 kw)	2	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	130 (59 kg)	1,100.00
H2201C2	Heavy Duty 3-1 Chain	10 HP (7.5 kw)	3	3.5" O.D. (89 mm)	15.0" O.D. (38.1 cm)	136	131 (60 kg)	1,132.00
H2201HR	Heavy Duty Reducer (4 to 1)	15 HP (11 kw)	3	5.0" O.D. (12.7 cm)	7.4" P.D. (18.8 cm)	280	217 (98 kg)	1,930.00
H2202HR	Heavy Duty Reducer (4 to 1)	20 HP (15 kw)	4	5.0" O.D. (12.7 cm)	7.4" P.D. (18.8 cm)	280	222 (101 kg)	1,957.00

For Drive Not Installed, Add an "X" to the catalog number, i.e. H2270AX.

14" CUSTOM BUILT DISTRIBUTING AUGER DRIVES

Heavy-Duty Reducer Drive. Drives are mounted at discharge end unless specified at intake end. Drives include: Motor Mount, Gear Reducer, Driven Pulley, Drive Belts and Drive Guard.



Heavy-Duty Reducer Drive Shown

* Driver Pulley not furnished with drive.

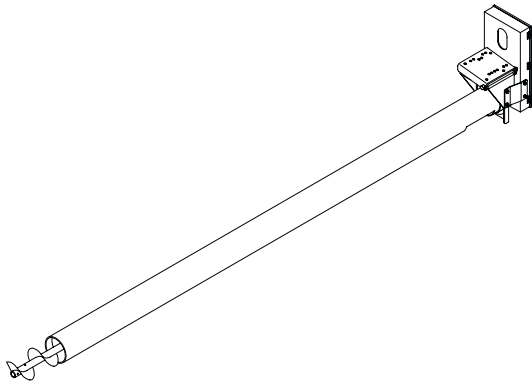
Catalog No.	Drive Type	Usage Limitation	No. of Belts	*Driver Pulley	Driven Pulley	Flight RPM	Wt. lbs. (kg)	List Price
H2402H	Heavy Duty Direct Drive	25 to 30 HP (18.5 kw-22 kw)	4	5.0 P.D. (12.7 cm)	20.0 P.D. (50.8 cm)	440	145 (66 kg)	\$1,545.00
H2400HR	Heavy Duty Reducer (4 to 1)	7 1/2 to 10 HP (5.5 kw -7.5 kw)	2	5.0 P.D. (12.7 cm)	11.0 P.D. (27.9 cm)	200	192 (87 kg)	1,960.00
H2401HR	Heavy Duty Reducer (4 to 1)	15 to 20 HP (11 kw-15 kw)	3	5.0 P.D. (12.7 cm)	11.0 P.D. (27.9 cm)	200	195 (88 kg)	1,994.00
H2402HR	Heavy Duty Reducer (4 to 1)	25 to 30 HP (18.5 kw-22 kw)	4	5.0 P.D. (12.7 cm)	11.0 P.D. (27.9 cm)	200	200 (91 kg)	2,020.00

CUSTOM BUILT DISTRIBUTING AUGERS COMPONENTS SYSTEM

The Component System Augers are available in 6", 8" and 10" (15.2 cm, 20.3 cm & 25.4 cm) in most of the options as in the regular Custom Built Distributing Augers. 8" & 10" (20.3 cm & 25.4 cm) are available in 11' or 21' (3.35 m or 6.40 m) head sections. 6" (15.2 cm) is available in 21' (6.40 m) head sections only. Extensions are available in 5', 10', 15' and 20' (1.52 m, 3.05 m, 4.57 m, & 6.10 m).

The Component System offers the advantage of flexibility. With an inventory of head sections and extensions, the majority of installations can be filled from "off the shelf" items.

For variations other than those listed in the component section, refer to the Custom Built Distributing Auger Section.



6" STANDARD DUTY CUSTOM COMPONENT

Standard Duty Head Section: Includes 6" (15.2 cm) x 16 ga. (1.52 mm) galvanized housing, 5" x 11 ga. (12.7 cm x 3 mm) Flight on 1 1/4" x 12 ga. (32 mm x 2.66 mm) Tube, Motor Mount, 12" (30.5 cm) Auger Sheave "B" section Drive and stubs. Use 3" O.D. (76 mm) Motor Sheave for 438 RPM.

H17511A	6" x 21' (15.2 cm x 6.40 m) w/Drive 1-B up to 20' (6.10 m)	162 lbs. (73 kg)	\$901.00
H17521A	6" x 21' (15.2 cm x 6.40 m) w/Drive 2-B up to 60' (18.29 m)	165 lbs. (75 kg)	923.00
H17531A	6" x 21' (15.2 cm x 6.40 m) w/Drive 3-B over 60' (18.29 m)	167 lbs. (76 kg)	941.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts.

H17050A	6" x 5' Ext. (15.2 cm x 1.52 m)	45 lbs. (20 kg)	\$ 232.00
H17100A	6" x 10' Ext. (15.2 cm x 3.05 m)	79 lbs. (36 kg)	357.00
H17150A	6" x 15' Ext. (15.2 cm x 4.57 m)	112 lbs. (51 kg)	491.00
H17200A	6" x 20' Ext. (15.2 cm x 6.10 m)	145 lbs. (66 kg)	623.00

6" HEAVY-DUTY CUSTOM COMPONENT

Heavy-Duty Head Section w/Standard Drive: Includes 6" x 16 ga. (15.2 cm x 1.52 mm) galvanized housing, 5" x 7 ga. (12.7 cm x 4.5 mm) Flight on 1.9 O.D. (48 mm) Tube, Motor Mount, 15" (38.1 cm) Auger Sheave "B" section Drive and stubs. Use 3" O.D. (76 mm) Motor Sheave for 350 RPM.

H17521H	6" x 21' (15.2 cm x 6.40 m) w/Drive 2-B up to 60' (18.29 m)	198 lbs. (90 kg)	\$944.00
H17531H	6" x 21' (15.2 cm x 6.40 m) w/Drive 3-B over 60' (18.29 m)	200 lbs. (91 kg)	965.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts.

H17050H	6" x 5' Ext. (15.2 cm x 1.52 m)	50 lbs. (23 kg)	\$ 304.00
H17100H	6" x 10' Ext. (15.2 cm x 3.05 m)	90 lbs. (41 kg)	414.00
H17150H	6" x 15' Ext. (15.2 cm x 4.57 m)	132 lbs. (60 kg)	599.00
H17200H	6" x 20' Ext. (15.2 cm x 6.10 m)	162 lbs. (73 kg)	733.00

Heavy-Duty Head Section w/Heavy-Duty Drive: Similar to the Heavy-Duty Drive Head above, but Motor Mount is heavier to accommodate bigger motor and flighting is supported by an internal bearing. Use 3" O.D. (76 mm) motor sheave for 350 RPM.

H17620HB	6" x 21' (15.2 cm x 6.40 m) w/Drive 2-B up to 60' (18.29 m)	223 lbs. (101 kg)	\$1,424.00
H17630HB	6" x 21' (15.2 cm x 6.40 m) w/Drive 3-B over 60' (18.29 m)	227 lbs. (103 kg)	1,424.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts and internal bearing(s).

H17050HB	6" x 5' Ext. (15.2 cm x 1.52 m)	54 lbs. (24 kg)	\$ 491.00
H17100HB	6" x 10' Ext. (15.2 cm x 3.05 m)	94 lbs. (43 kg)	612.00
H17200HB	6" x 20' Ext. (15.2 cm x 6.10 m)	175 lbs. (79 kg)	1,024.00

8" MEDIUM DUTY CUSTOM COMPONENT

Medium Duty Head Section: Includes 8" (20.3 cm) x 14 ga. (1.9 mm) galvanized housing; 7" O.D. x 7 ga. (17.8 cm x 4.5 mm) Flight on 1.9" O.D. (48 mm) tube; Motor Mount; 15" (38.1 cm) Auger Sheave; "B" Section Drive and Stubs.

Use 3.4" (86 mm) Motor Sheave for 397 RPM.

H19010A	8" x 11' (20.3 cm x 3.35 m) w/Drive 2-B up to 50' (15.24 m)	167 lbs. (76 kg)	\$896.00
H19020A	8" x 11' (20.3 cm x 3.35 m) w/Drive 3-B over 50' (15.24 m)	170 lbs. (77 kg)	925.00
H19210A	8" x 21' (20.3 cm x 6.40 m) w/Drive 2-B up to 50' (15.24 m)	251 lbs. (114 kg)	1,177.00
H19220A	8" x 21' (20.3 cm x 6.40 m) w/Drive 3-B over 50' (15.24 m)	254 lbs. (115 kg)	1,206.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts.

H1905A	8" x 5' Ext. (20.3 cm x 1.52 m)	76 lbs. (34 kg)	\$ 357.00
H1906A	8" x 10' Ext. (20.3 cm x 3.05 m)	119 lbs. (54 kg)	518.00
H1907A	8" x 15' Ext. (20.3 cm x 4.57 m)	169 lbs. (77 kg)	682.00
H1908A	8" x 20' Ext. (20.3 cm x 6.10 m)	217 lbs. (98 kg)	844.00

Medium Duty Head Section with Internal Bearing

Same as above except with Internal Bearing.

H19210B	8" x 21' (20.3 cm x 6.40 m) w/Drive w/brg. 2-B up to 60' (18.29 m)	284 lbs. (129 kg)	\$1,422.00
H19220B	8" x 21' (20.3 cm x 6.40 m) w/Drive w/brg. 3-B over 60' (18.29 m)	287 lbs. (130 kg)	1,447.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts and Internal Bearing.

H1905B	8" x 5' Ext. (20.3 cm x 1.52 m) w/1 brg	76 lbs. (34 kg)	\$ 470.00
H1906B	8" x 10' Ext. (20.3 cm x 3.05 m) w/1 brg	127 lbs. (58 kg)	644.00
H1907B	8" x 15' Ext. (20.3 cm x 4.57 m) w/2 brg	183 lbs. (73 kg)	1,003.00
H1908B	8" x 20' Ext. (20.3 cm x 6.10 m) w/2 brg	255 lbs. (116 kg)	1,177.00

8" HEAVY-DUTY CUSTOM COMPONENT

Heavy-Duty Head Section w/Heavy-Duty Drive: Includes, 8" x 14 ga. (20.3 cm x 1.9 mm) galvanized housing, 7" O.D. x 1/4" (17.8 cm x 6 mm) Flight, Internal Bearing and Heavy-Duty Motor Mount.

Heavy-Duty Drive: 15" (38.1 cm) sheave and "B" Section Drive.

Use 3.4" (86 mm) Motor Sheave for 397 RPM.

H1921H	8" x 21' (20.3 cm x 6.40 m) w/Drive w/brg. 2-B up to 60' (18.29 m)	325 lbs. (147 kg)	\$1,724.00
H1922H	8" x 21' (20.3 cm x 6.40 m) w/Drive w/brg. 3-B over 60' (18.29 m)	327 lbs. (148 kg)	1,749.00

Extension: Includes Auger Housing, Flight, Connecting Band, Connecting Stub with Bolts and Internal Bearing(s).

H1905H	8" x 5' (20.3 cm x 1.52 m) Ext. w/1 brg	87 lbs. (39 kg)	\$484.00
H1906H	8" x 10' (20.3 cm x 3.05 m) Ext. w/1brg	146 lbs. (66 kg)	637.00
H1907H	8" x 20' (20.3 cm x 6.10 m) Ext. w/2 brg.	273 lbs. (124 kg)	1,171.00

NOTE: On the Custom Component systems, use either a Hopper Tail Piece w/bearing or an Intake Guard w/bearing for the inlet end of the auger.

10" STANDARD DUTY CUSTOM COMPONENT

Standard Duty Head Section: Includes 10" (25.4 cm) x 12 ga. (2.66 mm) galvanized housing, 9" O.D. x 7 ga. (22.9 cm x 4.5 mm) Flight on 2.375" O.D. (60 mm) tube, Motor Mount, 15" (38.1 cm) Auger Sheave, "B" Section Drive and Stubs.

Use 3" (76 mm) Motor Sheave for 350 RPM.

H21010A	10" x 11' (25.4 cm x 3.35 m) w/Drive 2-B up to 30' (9.14 m)	260 lbs. (118 kg)	\$1,166.00
H21020A	10" x 11' (25.4 cm x 3.35 m) w/Drive 3-B up to 80' (24.38 m)	261 lbs. (119 kg)	1,199.00
H21210A	10" x 21' (25.4 cm x 6.40 m) w/Drive 2-B up to 30' (9.14 m)	407 lbs. (185 kg)	1,622.00
H21220A	10" x 21' (25.4 cm x 6.40 m) w/Drive 3-B up to 80' (24.38 m)	408 lbs. (186 kg)	1,643.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts.

H2105A	10" x 5' Ext. (25.4 cm x 1.52 m)	123 lbs. (56 kg)	\$509.00
H2106A	10" x 10' Ext. (25.4 cm x 3.05 m)	202 lbs. (92 kg)	771.00
H2107A	10" x 15' Ext. (25.4 cm x 4.57 m)	302 lbs. (137 kg)	988.00
H2108A	10" x 20' Ext. (25.4 cm x 6.10 m)	379 lbs. (172 kg)	1,192.00

Standard Duty Head Section w/Internal Bearings: Similar to Head Drive above, fighting is supported by Internal Bearing.

H2121B	10" x 21' (25.4 cm x 6.40 m) w/Drive 2-B w/brg	435 lbs. (197 kg)	\$2,162.00
H2122B	10" x 21' (25.4 cm x 6.40 m) w/Drive 3-B w/brg	436 lbs. (198 kg)	2,162.00

Extension: Includes Auger Housing, Flight, Connecting Band and Connecting Stub with Bolts and Internal Bearing(s).

H2105B	10" x 5' Ext.* (25.4 cm x 1.52 m)	130 lbs. (59 kg)	\$579.00
H2106B	10" x 10' Ext.* (25.4 cm x 3.05 m)	217 lbs. (98 kg)	869.00
H2107B	10" x 15' Ext.** (25.4 cm x 4.57 m)	310 lbs. (141 kg)	1,283.00
H2108B	10" x 20' Ext.** (25.4 cm x 6.10 m)	402 lbs. (182 kg)	1,560.00

* With 1 Bearing

** With 2 Bearings

10" HEAVY-DUTY CUSTOM COMPONENT

Heavy-Duty Head Section w/Heavy-Duty Drive or 4 to 1 Reducer Drive: Includes 10" (25.4 cm) x 12 ga. (2.66 mm) galvanized housing, 9" O.D. x 1/4" (22.9 cm x 6 mm) Flight on 2.375 O.D. (60 mm) tube, Internal Bearing, Stubs, Heavy-Duty Motor Mount

Heavy-Duty Drive: 15" (38.1 cm) sheave and "B" Section Drive. Use 3" (76 mm) Motor Sheave for 350 RPM.

Reducer Drive: Use 4.6" P.D. (11.7 cm) Motor Sheave for 250 RPM.

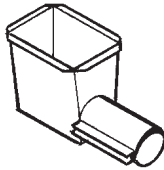
H2121H	10" x 21' (25.4 cm x 6.40 m) w/Drive, w/brg 2-B	466 lbs. (211 kg)	\$2,239.00
H2122H	10" x 21' (25.4 cm x 6.40 m) w/Drive, w/brg 3-B	467 lbs. (212 kg)	2,262.00
H2123H	10" x 21' (25.4 cm x 6.40 m) w/Drive, w/brg 4-B	497 lbs. (225 kg)	2,421.00
H2133H	10" x 21' (25.4 cm x 6.40 m) w/Red. Drive, w/brg 3-B	524 lbs. (238 kg)	3,789.00
H2134H	10" x 21' (25.4 cm x 6.40 m) w/Red. Drive, w/brg 4-B	545 lbs. (247 kg)	3,820.00

Extension: Includes Auger Housing, Flight, Connecting Band, Connecting Stub with Bolts and Internal Bearing(s).

H2105H	10" x 5' Ext.* (25.4 cm x 1.52 m)	137 lbs. (62 kg)	\$585.00
H2106H	10" x 10' Ext.* (25.4 cm x 3.05 m)	221 lbs. (100 kg)	896.00
H2107H	10" x 20' Ext.** (25.4 cm x 6.10 m)	410 lbs. (186 kg)	1,594.00

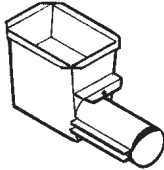
* With 1 Bearing

** With 2 Bearings



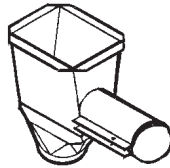
Hopper Tail Piece With Bearing and Cover

H1610A	6" Hopper (15.2 cm)	16 lbs. (7 kg)	\$158.00
H1810A	8" Hopper (20.3 cm)	29 lbs. (13 kg)	223.00
H2010A	10" Hopper (25.4 cm)	48 lbs. (22 kg)	338.00
H2210A	12" Hopper (30.5 cm)	64 lbs. (29 kg)	428.00



Hopper Tail Piece With Bearing, Cover and Slide Gate

H1644A	6" (15.2 cm) Hopper w/Slide Gate	20 lbs. (9 kg)	\$221.00
H1844A	8" (20.3 cm) Hopper w/Slide Gate	38 lbs. (17 kg)	261.00
H2044A	10" (25.4 cm) Hopper w/Slide Gate	56 lbs. (25 kg)	337.00
H2244A	12" (30.5 cm) Hopper w/Slide Gate	82 lbs. (37 kg)	468.00

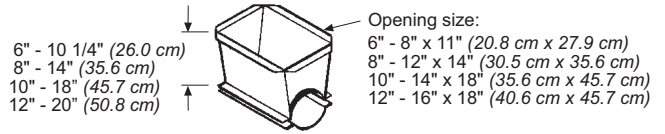


Hopper Tail Piece With Bearing, Cover and Enclosed Slide Gate

H1640A	6" (15.2 cm) Hopper w/Enclosed Gate	23 lbs. (10 kg)	\$ 225.00
H1840A	8" (20.3 cm) Hopper w/Enclosed Gate	38 lbs. (17 kg)	368.00
H2040A	10" (25.4 cm) Hopper w/Enclosed Gate	60 lbs. (27 kg)	410.00
H2240A	12" (30.5 cm) Hopper w/Enclosed Gate	70 lbs. (32 kg)	507.00
H2440A	14" (35.6 cm) Hopper w/Enclosed Gate	75 lbs. (34 kg)	493.00

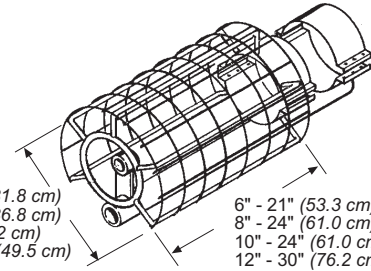
Rack & Pinion Control for Intake Guard Control Gate

H1647A	6" Rack & Pinion Control (15.2 cm)	22 lbs. (10 kg)	\$233.00
H1847A	8" Rack & Pinion Control (20.3 cm)	25 lbs. (11 kg)	250.00
H2047A	10" Rack & Pinion Control (25.4 cm)	27 lbs. (12 kg)	268.00
H2247A	12" Rack & Pinion Control (30.5 cm)	28 lbs. (13 kg)	288.00
H2447A	14" Rack & Pinion Control (35.6 cm)	30 lbs. (14 kg)	304.00



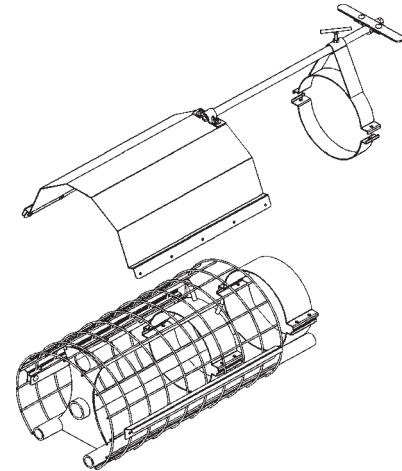
Inlet Hopper with Cover

H1627A	6" (15.2 cm) Inlet Hopper	11 lbs. (5 kg)	\$ 95.00
H1827A	8" (20.3 cm) Inlet Hopper	19 lbs. (9 kg)	126.00
H2027A	10" (25.4 cm) Inlet Hopper	30 lbs. (14 kg)	203.00
H2227A	12" (30.5 cm) Inlet Hopper	31 lbs. (15 kg)	264.00



Intake Guard With Bearing

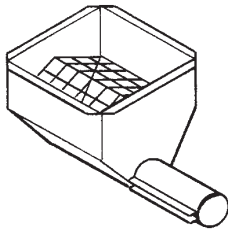
H1605A	6" (15.2 cm) Intake Guard	22 lbs. (10 kg)	\$189.00
H1805A	8" (20.3 cm) Intake Guard	30 lbs. (14 kg)	203.00
H2005A	10" (25.4 cm) Intake Guard	48 lbs. (22 kg)	265.00
H2205A	12" (30.5 cm) Intake Guard	62 lbs. (28 kg)	431.00
H2405A	14" (35.6 cm) Intake Guard	87 lbs. (39 kg)	520.00



Control Gate

H16110A	6" (15.2 cm) Control Gate	15 lbs. (7 kg)	\$184.00
H18110A	8" (20.3 cm) Control Gate	19 lbs. (9 kg)	201.00
H20110A	10" (25.4 cm) Control Gate	26 lbs. (12 kg)	223.00
H22110A	12" (30.5 cm) Control Gate	35 lbs. (16 kg)	255.00
H24110A	14" (35.6 cm) Control Gate	48 lbs. (22 kg)	274.00

NOTE: The Control Gate must be used with an Intake Guard in place.

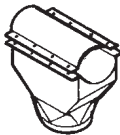


Large Hopper Tail Piece With Bearing & Cover

H1636A	6" x 18" x 18" x 18" Hopper (15.2 cm x 45.7 cm x 45.7 cm x 45.7 cm)	38 lbs. (17 kg)	\$296.00
H1836A	8" x 18" x 18" x 18" Hopper (20.3 cm x 45.7 cm x 45.7 cm x 45.7 cm)	40 lbs. (18 kg)	307.00
H2036A	10" x 24" x 24" x 24" Hopper (25.4 cm x 61.0 cm x 61.0 cm x 61.0 cm)	76 lbs. (34 kg)	409.00
H2236A	12" x 24" x 24" x 24" Hopper (30.5 cm x 61.0 cm x 61.0 cm x 61.0 cm)	98 lbs. (44 kg)	511.00
H2436A	14" x 24" x 24" x 28" Tall (35.6 cm x 61.0 cm x 61.0 cm x 71.1 cm)	108 lbs. (49 kg)	478.00

Hopper Tail Piece With Bearing (Hinged Cover)

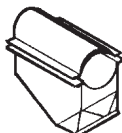
H1656A	6" x 18" x 18" x 18" Hopper w/Cover (15.2 cm x 45.7 cm x 45.7 cm x 45.7 cm)	40 lbs. (18 kg)	\$331.00
H1856A	8" x 18" x 18" x 18" Hopper w/Cover (20.3 cm x 45.7 cm x 45.7 cm x 45.7 cm)	44 lbs. (20 kg)	343.00
H2056A	10" x 24" x 24" x 24" Hopper w/Cover (25.4 cm x 61.0 cm x 61.0 cm x 61.0 cm)	80 lbs. (36 kg)	473.00
H2256A	12" x 24" x 24" x 24" Hopper w/Cover (30.5 cm x 61.0 cm x 61.0 cm x 61.0 cm)	101 lbs. (46 kg)	538.00



6" - 11" (27.9 cm) Long
8" - 14" (35.6 cm) Long
10" - 18" (45.7 cm) Long
12" - 22" (55.9 cm) Long

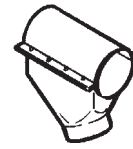
90° Discharge Spout

H1607A	6" (15.2 cm) x 90° Spout	6 lbs. (3 kg)	\$ 43.00
H1807A	8" (20.3 cm) x 90° Spout	12 lbs. (5 kg)	65.00
H2007A	10" (25.4 cm) x 90° Spout	18 lbs. (8 kg)	93.00
H2207A	12" (30.5 cm) x 90° Spout	32 lbs. (15 kg)	230.00
H2407A	14" (38.6 cm) x 90° Spout	40 lbs. (18 kg)	300.00



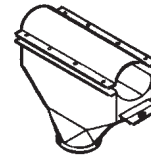
45° Spout

H1614A	6" (15.2 cm) x 45° Spout	6 lbs. (3 kg)	\$ 63.00
H1814A	8" (20.3 cm) x 45° Spout	12 lbs. (5 kg)	95.00
H2014A	10" (25.4 cm) x 45° Spout	22 lbs. (10 kg)	188.00
H2214A	12" (30.5 cm) x 45° Spout	36 lbs. (16 kg)	247.00
H2414A	14" (38.6 cm) x 45° Spout	57 lbs. (26 kg)	332.00



60° Discharge Spout (Plastic)

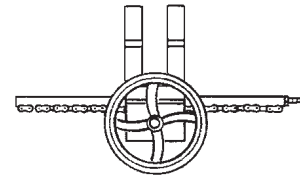
H1609A	6" (15.2 cm) x 60°	\$ 67.00
H1809A	8" (20.3 cm) x 60°	74.00
H2009A	10" (25.4 cm) x 60°	110.00
H2209A	12" (30.5 cm) x 60°	180.00



6" - 24" (61.0 cm) Long
8" - 24" (61.0 cm) Long
10" - 36" (91.4 cm) Long
12" - 36" (91.4 cm) Long

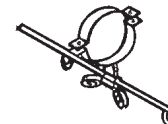
Enclosed Slide Gate

H1618A	6" (15.2 cm) Enclosed Slide Gate	22 lbs. (10 kg)	\$ 302.00
H1818A	8" (20.3 cm) Enclosed Slide Gate	40 lbs. (18 kg)	318.00
H2018A	10" (25.4 cm) Enclosed Slide Gate	70 lbs. (32 kg)	494.00
H2218A	12" (30.5 cm) Enclosed Slide Gate	78 lbs. (35 kg)	558.00



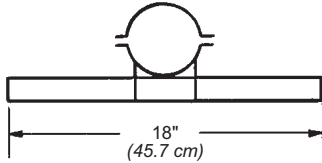
Rack And Pinion Control

H1642A	6" (15.2 cm) Rack & Pinion	12 lbs. (5 kg)	\$ 270.00
H1842A	8" (20.3 cm) Rack & Pinion	15 lbs. (7 kg)	284.00
H2042A	10" (25.4 cm) Rack & Pinion	17 lbs. (8 kg)	304.00
H2242A	12" (30.5 cm) Rack & Pinion	18 lbs. (9 kg)	323.00
H2442A	14" (35.6 cm) Rack & Pinion	20 lbs. (10 kg)	359.00
P1642A	Ground Control Kit for Rack & Pinion	29 lbs. (13 kg)	270.00



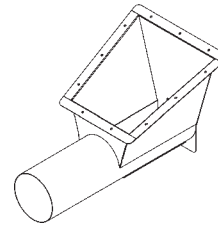
Cable And Pulley Control

H1623A	6" (15.2 cm) Cable & Pulley Control	3 lbs. (1 kg)	\$106.00
H1823A	8" (20.3 cm) Cable & Pulley Control	4 lbs. (2 kg)	108.00
H2023A	10" (25.4 cm) Cable & Pulley Control	4 lbs. (2 kg)	111.00
H2223A	12" (30.5 cm) Cable & Pulley Control	5 lbs. (3 kg)	113.00



Mounting Bracket for Roof Auger

H1619A	6" (15.2 cm) Mounting Bracket	4 lbs. (2 kg)	\$ 43.00
H1819A	8" (20.3 cm) Mounting Bracket	4 lbs. (2 kg)	44.00
H2019A	10" (25.4 cm) Mounting Bracket	5 lbs. (3 kg)	50.00
H2219A	12" (30.5 cm) Mounting Bracket	5 lbs. (3 kg)	59.00
H2419A	14" (35.6 cm) Mounting Bracket	8 lbs. (4 kg)	108.00

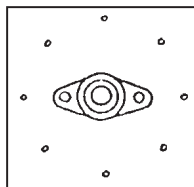


Roof Auger Hopper with Cleanout

H1846A	8" (20.3 cm) Roof Auger Hopper	79 lbs. (36 kg)	\$ 517.00
H2046A	10" (25.4 cm) Roof Auger Hopper	107 lbs. (49 kg)	597.00
H2246A	12" (30.5 cm) Roof Auger Hopper	135 lbs. (61 kg)	684.00

Mounting Bracket Sets

A0600RA	6" (15.2 cm) Mounting Bracket Set	17 lbs. (8 kg)	\$ 99.00
A0800RA	8" (20.3 cm) Mounting Bracket Set	24 lbs. (11 kg)	116.00
A1000RA	10" (25.4 cm) Mounting Bracket Set	32 lbs. (15 kg)	131.00
A1200RA	12" (30.5 cm) Mounting Bracket Set	45 lbs. (20 kg)	244.00
A1400RA	14" (35.6 cm) Mounting Bracket Set	55 lbs. (25 kg)	315.00



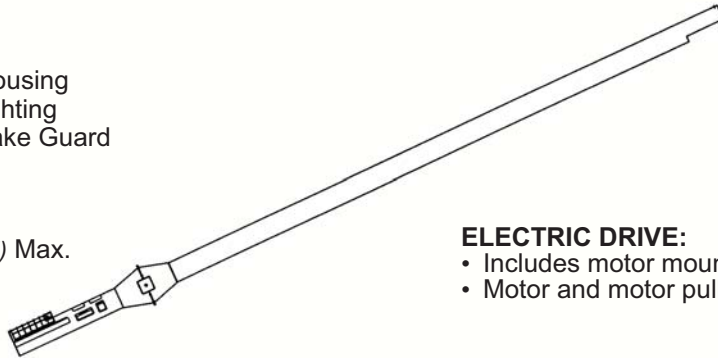
End Cap With Bearing

H1639A	6" (15.2 cm) End Cap w/brg	5 lbs. (2 kg)	\$ 68.00
H1839A	8" (20.3 cm) End Cap w/brg	9 lbs. (4 kg)	102.00
H2039A	10" (25.4 cm) End Cap w/brg	13 lbs. (6 kg)	111.00
H2239A	12" (30.5 cm) End Cap w/brg	26 lbs. (12 kg)	199.00
H2439A	14" (35.6 cm) End Cap w/brg	40 lbs. (18 kg)	268.00

8" CUSTOM IN-LINE DRIVE AUGER

PRICE INCLUDES:

- 14 Ga. (1.9 mm) Housing
- 7 Ga. (4.5 mm) Flighting
- Preassembled Intake Guard
- Gearbox
- Electric Drive Kit
- Pop-off End Cap
- 3200 BPH (86 TPH) Max.



ELECTRIC DRIVE:

- Includes motor mount, auger pulley and belts.
- Motor and motor pulley not included.

AUGER COMPLETE WITH ELECTRIC DRIVE - LESS MOTOR AND MOTOR PULLEY

To order Hutchinson augers, add "H", i.e. H83262E-CUSTOM, Mayrath use existing Catalog No.

CATALOG NO.	DIAMETER	LENGTH	REQUIRED HP (kw)	NO. OF BELTS	MOTOR PULLEY	WEIGHT lbs. (kg)	LIST PRICE
83262E-CUSTOM	8" (20.3 cm)	32' (9.75 m)	7 1/2 HP (5.5 kw)	2	4.5" O.D. (11.4 cm)	634 lbs. (288 kg)	\$2,444.00
84262E-CUSTOM	8" (20.3 cm)	42' (12.80 m)	7 1/2-10 HP (5.5-7.5 kw)	2	4.5" O.D. (11.4 cm)	755 lbs. (342 kg)	2,804.00
85262E-CUSTOM	8" (20.3 cm)	52' (15.85 m)	7 1/2-10 HP (5.5-7.5 kw)	2	4.5" O.D. (11.4 cm)	876 lbs. (397 kg)	3,209.00
86262E-CUSTOM	8" (20.3 cm)	62' (18.90 m)	10-15 HP (7.5-11 kw)	3	4.5" O.D. (11.4 cm)	998 lbs. (453 kg)	3,704.00
87262E-CUSTOM	8" (20.3 cm)	72' (21.95 m)	15-20 HP (11-15 kw)	3	4.5" O.D. (11.4 cm)	1120 lbs. (508 kg)	4,195.00

OPTIONAL EQUIPMENT

Intermediate Flight Bearings - Add "5" to Catalog No., i.e. 83262E5-CUSTOM. Add \$13.00 per foot to List Price.
 1/4" (6 mm) Thick Flighting - Add "7" to Catalog No., i.e. 83262E7-CUSTOM. Add \$6.00 per foot to List Price.

Use a motor size at the lower end of the range for dry, shelled corn or wheat. For higher moisture grain, use the upper end of the horsepower range. For units with the reduction gearbox, use a motor size at the lower end of the range or a size below the recommended range, depending on the capacity required. Do not use a motor greater than 20 HP (15 kw) on any units.

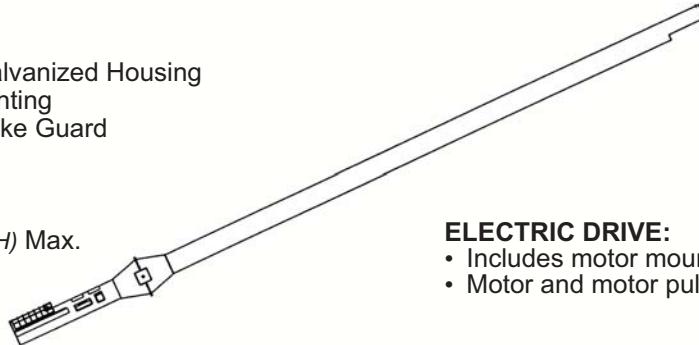
CUSTOM IN-LINE AUGER ACCESSORIES

CATALOG NO.	DESCRIPTION	SPECIFICATIONS	WEIGHT	LIST PRICE
708640	8" (20.3 cm) Bolt-on Hopper	36" W, 28-1/2" L, 14-3/4" Deep (91.4 cm W x 72.4 cm L x 37.5 cm Deep)	38 lbs. (17 kg)	\$ 185.00
708650	Hopper Belting Kit	4" (10.2 cm) Deep	10 lbs. (5 kg)	75.00
708651	Hopper Belting Kit	16" (40.6 cm) Deep	18 lbs. (8 kg)	150.00
H1807A	8" (20.3 cm) x 90° Spout	Galvanized	12 lbs. (6 kg)	65.00
H1814A	8" (20.3 cm) x 45° Spout	Galvanized	12 lbs. (6 kg)	95.00
H1809A	8" (20.3 cm) x 60° Spout	Plastic	12 lbs. (6 kg)	74.00

10" CUSTOM IN-LINE DRIVE AUGER

PRICE INCLUDES:

- 14 Ga. (1.9 mm) Galvanized Housing
- 7 Ga. (4.5 mm) Flighting
- Preassembled Intake Guard
- Gearbox
- Electric Drive Kit
- Pop-off End Cap
- 4500 BPH (121 TPH) Max.



ELECTRIC DRIVE:

- Includes motor mount, auger pulley and belts.
- Motor and motor pulley not included.

AUGER COMPLETE WITH ELECTRIC DRIVE - LESS MOTOR AND MOTOR PULLEY

To order Hutchinson augers, add "H", i.e. H103261E-CUSTOM, Mayrath use existing Catalog No.

CATALOG NO.	DIAMETER	LENGTH	REQUIRED HP (kw)	NO. OF BELTS	MOTOR PULLEY	WEIGHT lbs. (kg)	LIST PRICE
103261E-CUSTOM	10" (25.4 cm)	32' (9.75 m)	10 HP (7.5 kw)	2	4" O.D. (10.2 cm)	827 lbs. (375 kg)	\$3,419.00
104261E-CUSTOM	10" (25.4 cm)	42' (12.80 m)	10-15 HP (7.5-11 kw)	2	4" O.D. (10.2 cm)	986 lbs. (447 kg)	3,883.00
105261E-CUSTOM	10" (25.4 cm)	52' (15.85 m)	15 HP (11 kw)	2	4" O.D. (10.2 cm)	1145 lbs. (519 kg)	4,490.00
106261E-CUSTOM	10" (25.4 cm)	62' (18.90 m)	15-20 HP (11-15 kw)	3	4" O.D. (10.2 cm)	1305 lbs. (592 kg)	5,215.00
107261E-CUSTOM	10" (25.4 cm)	72' (21.95 m)	20-30 HP (15-22 kw)	3	4" O.D. (10.2 cm)	1463 lbs. (664 kg)	6,026.00

OPTIONAL EQUIPMENT

Intermediate Flight Bearings - Add "5" to Catalog No., i.e. 103261E5-CUSTOM. Add \$17.00 per foot to List Price.
 1/4" (6 mm) Thick Flighting - Add "7" to Catalog No., i.e. 103261E7-CUSTOM. Add \$6.00 per foot to List Price.

Use a motor size at the lower end of the range for dry, shelled corn or wheat.

For higher moisture grain, use the upper end of the power range.

Do not use a motor greater than 30 HP (22 kw) on any units.

CUSTOM IN-LINE AUGER ACCESSORIES

CATALOG NO.	DESCRIPTION	SPECIFICATIONS	WEIGHT	LIST PRICE
710640	10" (25.4 cm) Bolt-on Hopper	36" W, 28-1/2" L, 15" Deep (91.4 cm W x 72.4 cm L x 38.1 cm Deep)	38 lbs. (17 kg)	\$ 185.00
708650	Hopper Belting Kit	4" (10.2 cm) Deep	10 lbs. (5 kg)	75.00
708651	Hopper Belting Kit	16" (40.6 cm) Deep	21 lbs. (10 kg)	150.00
H2007A	10" (25.4 cm) x 90° Spout	Galvanized	18 lbs. (8 kg)	93.00
H2014A	10" (25.4 cm) x 45° Spout	Galvanized	22 lbs. (10 kg)	188.00
H2009A	10" (25.4 cm) x 60° Spout	Plastic	18 lbs. (8 kg)	110.00

