



## Important “Flow” System Ordering Information

The Circu-Flow Ordering Procedure is as follows:

Step 1 Order the main unit from pages FL-5 (Circu-Flow), FL-12 (Dual-Sweep Circu-Flow), FL-15 (Super-Flow and Twin-Sweep Super-Flow), or FL-18 (Commercial-Flow).

Step 2 Determine the requirements for Transfer Augers. Order Transfer Augers from page FL-9 & FL-10 (Circu-Flow), FL-14 (Dual-Sweep Circu-Flow). Use the All Purpose Section for Super-Flow, Twin-Sweep Super-Flow and Commercial-Flow Transfer Augers.

Step 3 Determine the horsepower (hp) requirements for the Flow System from the chart on this page. You need to know the horsepower of all transfer augers. This information is found on each Transfer Auger page.

Step 4 Order Motor pulleys to fit Flow System and Transfer Augers. See specifications on appropriate pages.

Step 5 See page FL-2 to select a control box with starters and temperature-based moisture control. Follow the directions carefully. It is important to provide NECO with the horsepower (hp) of all motors so proper motor protection can be provided.

Step 6 Order a spreader for the Flow bin and for each cooling bin.

Step 7 Determine whether stiffeners are required for the bin you are installing the Flow system in. Contact the bin manufacturer if you have any doubt. There are several ways to strengthen the bin for use with a Flow system. You can add stiffeners from page FL-4. You can install liners with short stiffeners (see the blue tab labeled “BIN LINERS”). Also, sometimes you can obtain a special heavy-duty bin from the bin manufacturer.

Step 8 You will need extra supports for the bin floor when using a Flow system. Contact your floor manufacturer for these requirements. If you are using a channel-lock floor with cement blocks or a rail support system, order a set of Intermediate support channels to reinforce the floor. See page FL-5.

### Flow System Horsepower Requirements

Power		Minimum Starting Torque		Circu-Flow*		8" Dual Sweep Circu-Flow		Super-Flow		Twin-Sweep Super-Flow*		Commercial Flow*	
hp	kW	foot-pounds	newton meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters
5	3.728	60	81.35	18'-27'	5.486-8.23	--	--	24'-28'	7.32-8.53	--	--	--	--
7½	5.593	80	108.5	30'	9.14	--	--	30'-42'	9.14-12.8	24'-28'	7.32-8.53	--	--
10	7.457	104	141	--	--	21'-27'	6.40-8.23	--	--	30'-42'	9.14-12.8	24'-27'	7.32-8.23
15	11.19	119	161.3	--	--	28'-37'	8.53-11.28	--	--	--	--	30'-42'	9.14-12.8
20	14.91	135	183	--	--	--	--	--	--	--	--	48'	14.63

Horsepower values shown are computed for corn. If soybeans are to be dried, use a motor with the next higher horsepower rating. If the motor you select doesn't have enough starting torque, order a motor with a greater horsepower rating to achieve the starting torque shown.

\*NOTE: If you are using a system with a vertical discharge auger, order the next larger motor.



# Deluxe Control Box Worksheet

Customer \_\_\_\_\_ Date \_\_\_\_\_

Description of control panel needed \_\_\_\_\_

Required by \_\_\_\_\_ Ship via \_\_\_\_\_

Sales Order Number \_\_\_\_\_

TYPE OF FLOW SYSTEM - Circle one of the following: This number will pull the appropriate decals and manual for the order and is at no charge.

- 009446 Circu-Flow
- 009447 Dual-Sweep
- 009448 Super-Flow
- 009449 Twin Sweep Super-Flow
- 009450 Commercial-Flow

MAIN AND FIRST TRANSFER AUGER - Circle one of the following: This number is for the main control panel and one transfer auger less fuses and heater strips.

Phase	Volts	Main hp	TA hp	Part Number
1	230	5-7.5	1-3	009451
1	230	5-7.5	5-7.5	009397
1	230	10	1-3	009452
1	230	10	5-7.5	009398
1	230	10	10	009414
3	230	5-7.5	1-7.5	009401
3	230	10-15	1-7.5	009402
3	230	10-15	10-15	009405
3	230	20	1-7.5	009403
3	230	20	10-15	009406
3	460	5-15	5-15	009404
3	460	20	5-15	009407

ADD-ON TRANSFER AUGERS - The panels listed above contain components for one transfer auger. Order optional 2nd & 3rd (max 3 transfer augers) from below.

Phase	Volts	TA hp	Part Number	Quantity Required (to be filled in by customer)
1	230	1-3	009453	
1	230	5-7.5	009408	
1	230	10	009409	
3	230	1-7.5	009410	
3	230	10	009411	
3	460	5-15	009412	

See the following page for fuses and heater strips.



**FUSES AND HEATER STRIPS**—These numbers will pull the appropriate fuses and heater strips for the order. Order one each for the main unloading auger and all transfer augers. Example: If the control panel is for a Single Phase control with a 10HP Circu-Flow with 3 Transfer Augers that are 3HP, 3HP, and 5HP then you would order: one 009426, two 009423 and one 009424.

Phase	Volts	TA hp	Part Number	List Price	Quantity Required (to be filled in by customer)
1	230	1	009420		
1	230	1.5	009421		
1	230	2	009422		
1	230	3	009423		
1	230	5	009424		
1	230	7.5	009425		
1	230	10	009426		

Phase	Volts	TA hp	Part Number	List Price	Quantity Required (to be filled in by customer)
3	230	1	009427		
3	230	1.5	009428		
3	230	2	009429		
3	230	3	009430		
3	230	5	009431		
3	230	7.5	009433		
3	230	10	009434		
3	230	15	009435		
3	230	20	009436		

Phase	Volts	TA hp	Part Number	List Price	Quantity Required (to be filled in by customer)
3	460	1	009437		
3	460	1.5	009438		
3	460	2	009439		
3	460	3	009440		
3	460	5	009441		
3	460	7.5	009442		
3	460	10	009443		
3	460	15	009444		
3	460	20	009445		

**EXTRA THERMOSTAT**—Circle if required: Part Number 009413



## Deluxe Control Boxes for “Flow” In-Bin Continuous-Flow Drying Systems

**STEP 1.** Use the table below to select a main control box with the maximum horsepower rating needed for the desired Flow System and first Transfer Auger. A control for the first Transfer Auger is included with the primary control. You can order extra Transfer Auger controls to be installed in this panel by following the instructions in Step 2.

Phase	Volts	Main HP	TA HP	Part No.	List Price
1	230	5-7.5	1-3	009451	
1	230	5-7.5	5-7.5	009397	
1	230	10	1-3	009452	
1	230	10	5-7.5	009398	
1	230	10	10	009414	
3	230	5-7.5	1-7.5	009401	
3	230	10-15	1-7.5	009402	
3	230	10-15	10-15	009405	
3	230	20	1-7.5	009403	
3	230	20	10-15	009406	
3	460	5-15	5-15	009404	
3	460	20	5-15	009407	

For a CSA-approved control box add 33% to above prices.

**STEP 2.** Order the additional controls for any extra Transfer Augers. These controls are to be mounted in the control box selected in Step 1. The maximum number of Transfer Auger controls needed is four (the primary control and up to three Transfer Auger controls).

Phase & Voltage	Maximum Transfer Auger		Part Number	List Price	Weight	
	hp	kW			lb	kg
1-Phase 220 V	7½	5.593	009408		5	2.5
	10	7.457	009409		6	3
3-Phase 220 V	7½	5.593	009410		7	3.5
	15	7.457	009411		8	4
3-Phase 440 V	15	11.19	009412		7	3.5

\*Add \$217 to the list price for additional control mounted in its own weather-tight control box.

**STEP 3.** Provide NECO with the exact horsepower ratings of all the motors to be controlled by this box. We need this information to provide the proper heater strips for your motor’s protection.



## Deluxe Control Boxes for “Flow” In-Bin Continuous-Flow Drying Systems (Continued)

**STEP 4.** You may need an extra thermostat installed in the Deluxe Control Box to regulate the underfloor temperature. If so, order part number 009413. Add \$130.00 to the list price for the thermostat. Shipping weight is three pounds.

### Accessories

Description	Part Number	List Price	Weight	
			lb	kg
Bin Level Switch <sup>1</sup>	010601		8	2
Thermometer Kit <sup>2</sup>	010106		1	0.5

<sup>1</sup>This item is a motorized paddle switch designed to shut off the burner when the grain level in the drying bin drops below the desired level.

<sup>2</sup>This item is a dial-type thermometer with mounting bracket to be installed in the plenum to measure the temperature under the floor.



## Sets of Bin Stiffeners with Joining Angles (without the required Bin Bolts)

### IMPORTANT

Continuous flow systems create grain flow patterns and forces that put increased vertical and horizontal stresses on the bin walls and drying floor. NECO recommends (1) the addition of stiffeners to the bin walls, and (2) additional floor supports. These enhancements will help prevent structural damage to your bin. Consult your bin and floor manufacturer(s) for recommendations regarding bin reinforcement. NECO cannot be responsible for structural failure of a bin nor for any loss, damage, or injury caused thereby.

Bin Diameter		Part Number	Quantity Needed	List Price	Weight	
feet	meters				lb	kg
18'	5.49	010724	26		397	180
21' - 22'	6.40 - 6.71	010725	30		458	208
24' - 25'	7.32 - 7.62	010727	34		519	235
27' - 28'	8.23 - 8.53	010729	38		580	263
30' - 31'	9.14 - 9.45	010731	42		641	291
33'	10.06	022821	46		702	318
36'	10.97	012213	50		763	346
42'	12.8	009418	58		885	401
48'	14.63	009419	66		1,007	457

### Individual Stiffeners

Description	Part Number	List Price	Weight	
			lb	kg
93¼" [2.369 m] Bin Wall Stiffeners	010485		15	7
Joining Angle	010586		-	-

### BIN BOLTS



Sold only in boxes of 100

Description	Part Number	Quantity	List Price
5/16" x 1" [2.54 cm] with Seal Washer	034067	100	
5/16" x 1¼" [3.175 cm] with Seal Washer	034068	100	
Sealing Washer	034069	100	
5/16" Flange Nut	034070	100	



# Circu-Flow Main Unit Prices



## Basic Circu-Flow Options (Choose 1)

Bin Diameter		6" [15.24 cm] Horizontal Unload				6" x 13' [15.24 cm x 3.962 m] Vertical Unload			
feet	meters	Part Number	List Price	Weight		Part Number	List Price	Weight	
				lb	kg			lb	kg
18	5.49	009346		575	261	009354		828	376
21	6.40	009347		625	284	009379		878	398
22	6.71	009348		643	292	009356		896	406
24	7.32	009349		667	303	009357		920	417
25	7.62	009378		691	313	009380		944	428
27	8.23	009351		715	324	009381		968	439
28	8.53	009352		743	337	009360		996	452
30	9.14	009353		767	348	009361		1,020	463

Bin Diameter		8" [20.32 cm] Horizontal Unload				8" x 13' [20.32 x 3.962 m] Vertical Unload			
feet	meters	Part Number	List Price	Weight		Part Number	List Price	Weight	
				lb	kg			lb	kg
18	5.49	009362		609	276	009370		914	415
21	6.40	009363		664	301	009371		969	440
22	6.71	009364		680	308	009372		985	447
24	7.32	009382		711	323	009373		1,016	461
25	7.62	009366		732	332	009374		1,037	470
27	8.23	009367		764	347	009375		1,069	485
28	8.53	009368		789	358	009376		1,094	496
30	9.14	009369		821	372	009377		1,126	511

Includes •Underbin Auger and Tube, •Center Hopper and Gearboxes, •Belt Shield, •Control Rod, •Center Holding Rods, •Circu-Drive Wear Plates, •Outside Wear Plates, •Box of Parts.

Vertical Discharge units also Include •13' [3.962 m] tall Outside Vertical Auger & Tube with Gearbox, •Bin Bracket

Not Included •Motor Pulley, 3.2" [8.128 cm] 3-groove required. See page FL-1 for horsepower (hp) requirements.



## Tapered Sweep Options (Choose one)

All Sweeps feature Circu-Drive® center propelling wheel and hard-surfacing.

The Standard sweep has a continuous flow unloading capacity of 200 BPH. The High Capacity sweep has an unloading rate of 300 BPH. The Drying rate is contingent on many factors. Consult NECO for specific drying rate calculations. Underbin unloading rates through the center slidegate are:

6" [15.24 cm] 800 BPH                      8" [20.32 cm] 1600 BPH

Includes

- Hard-Surfaced Tapered Sweep with Circu-Drive Lugs and Cast Iron Wheel.

Bin Diameter		Standard Capacity Hard-Surfaced with Circu-Drive				High Capacity Hard-Surfaced with Circu-Drive			
		Part Number	List Price	Weight		Part Number	List Price	Weight	
feet	meters			lb	kg			lb	kg
18	5.49	009080		79	36	010652		80	36
21	6.40	009081		82	37	010655		83	38
22	6.71	009082		83	38	010656		84	38
24	7.32	009083		85	39	010658		86	39
25	7.62	009084		86	39	010659		87	39
27	8.23	009085		88	40	010662		89	40
28	8.53	009086		89	40	010792		90	41
30	9.14	009087		91	41	010664		92	42

## Center Vertical Options (Choose one)

To obtain "H" dimension for a Flow System take the height of the bin from the top of the fill hatch to the top of the drying floor. Subtract 4' [1.219 m] from this dimension. Round down to the next lowest whole foot.

For example, if the height obtained after subtracting the 4' [1.219 m] is 19'7"[5.969 m] round down to 19'[5.791 m].

The dimension obtained is the "H" dimension. Order the appropriate center vertical from the chart on the right.

Includes

- Center Vertical Auger and Tube,
- Recirculating spreader, and
- Transfer Auger Boot

Refer to page FL-1 For Horsepower Needed.  
Order Control Box From Page FL-2

"H" Dimension		Standard with 1 TA Boot				With 180° TA Boot			
		Part Number	List Price	Weight		Part Number	List Price	Weight	
feet	meters			lb	kg			lb	kg
15	4.57	010110		218	99	009340		275	125
16	4.88	010111		230	104	009341		287	130
17	5.18	010112		243	110	009342		300	136
18	5.49	010113		255	116	009358		312	142
19	5.79	010114		268	122	009552		325	147
20	6.10	010115		280	127	010692		337	153
21	6.40	010116		293	133	009058		350	159
22	6.71	010117		305	138	010808		362	164
23	7.01	010118		360	163	009300		417	189
24	7.32	010119		374	170	009095		431	196
25	7.62	010109		480	218	009343		537	244
26	7.93	009199		499	226	009383		556	252
27	8.23	010122		518	235	009345		575	261



## Circu-Flow Accessories



Description	Part Number	List Price
Multi-Direction Boot to add a Transfer Auger below the Standard Transfer Auger Boot.	010594	
180° Boot in Lieu of Standard Boot Note: This requires cutting off 18" [45.72 cm] of the center vertical tube and adding this boot in place of the tube cut off.	010597	
Flex Spout		
6" [15.24 cm] Flex Spout x 5' [1.52 m]	035175	
6" [15.24 cm] Flex Spout x 10' [3.05 m]	036432	
8" [20.32 cm] Flex Spout x 5' [1.52 m]	035176	
8" [20.32 cm] Flex Spout x 10' [3.05 m]	036433	
Conversion Kit from Horizontal to Vertical Discharge		
6" [15.24 cm] Vertical Kit, to convert a 6" [15.24 cm] Horizontal to a Vertical	009396	
8" [20.32 cm] Vertical Kit, to convert an 8" [20.32 cm] Horizontal to a Vertical	022807	

### Vertical Discharge Conversion Kits Bill Of Lading

Description	6" Underbin Auger		8" Underbin Auger	
	Part Number	List Price	Part Number	List Price
13' [3.96 m] Outside Vertical with Gearbox	014220		014221	
Vertical Belt Shield	010351		010472	
Box of Parts Horizontal to Vertical	010721		010802	
Adjustable Bin Bracket	014253		014254	



### Main Unit

Bill of Lading Item	18' [5.486 m]	21' [6.401 m]	22' [6.706 m]	24' [7.315 m]	25' [7.62 m]	27' [8.23 m]	28' [8.534 m]	30' [9.144 m]
6" [15.24 cm] Underbin Tube	036571	001188	001190	001190	001192	001192	001193	001193
6" [15.24 cm] Underbin Auger Assembly	010260	010261	010262	010262	010263	010263	010264	010264
8" [20.32 cm] Underbin Tube	036312	001226	001227	001216	036315	001217	036318	001218
8" [20.32 cm] Underbin Auger Assembly	010820	009384	009385	010285	010256	010286	010149	010287
Standard Tapered Sweep (Hard-Surfaced, Circu-Drive)	009080	009081	009082	009083	009084	009085	009086	009087
High Capacity Tapered Sweep (Hard-Surfaced, Circu-Drive)	010652	010655	010656	010658	010659	010662	010792	010664
Circu-Drive Wear Plates	010395	010395	010395	010395	010395	010395	010395	010395
	Quantity: 18	Quantity: 21	Quantity: 22	Quantity: 24	Quantity: 25	Quantity: 27	Quantity: 28	Quantity: 30
Outside Wear Track	010493	010493	010493	010493	010493	010493	010493	010493
	Quantity: 6	Quantity: 7	Quantity: 7	Quantity: 8	Quantity: 8	Quantity: 9	Quantity: 10	Quantity: 10
Control Rod	010242	010243	010244	010244	010245	010245	010246	010246
Center Holding Rods	010622	010622	010622	010622	010622	010622	010622	010622

### Discharge Type

Description	Part Number	6" [15.24 cm] Horizontal	8" [20.32 cm] Horizontal	6" x 13' [15.24 cm x 3.962 m] Vertical	8" x 13' [20.32 cm x 3.962 m] Vertical
6" [15.24 cm] Horizontal - Box of Parts	010000				
8" [20.32 cm] Horizontal - Box of Parts	010737				
6" [15.24 cm] Vertical 19' & Under BOP	010001				
8" [20.32 cm] Vertical Box of Parts	010703				
6" [15.24 cm] Vertical Assembly x 13'	014220				
8" [20.32 cm] Vertical Assembly x 13	014221				
6" / 8" [15.24/20.32cm] Horizontal Belt Shield	010341				
6" [15.24 cm] Vertical Belt Shield	010351				
8" [20.32 cm] Vertical Belt Shield	010472				
8" [20.32 cm] 45° Spout	035171				
6" [15.24 cm] Bin Bracket	014253				
8" [20.32 cm] Bin Bracket	014254				
6" [15.24 cm] Cable brace Kit	036227				
8" [20.32 cm] Cable Brace Kit	010800				

### Hopper Assembly

Item	Part Number	List Price
6" [15.24 cm] CF Hopper with Gearboxes	010458	
8" [20.32 cm] CF Hopper with Gearboxes	010367	



## 4" [10.16 cm] & 6" [15.24 cm] Transfer Augers Designed for use with Circu-Flow Systems

### 4" [10.16 cm] Transfer Augers

Description	Part Number	List Price
4"[10.16 cm] x 11" [27.94 cm] Transfer Auger with Direct Drive	021275	

**Price Includes**

- 4" [10.16 cm] x11' [27.94 cm] Transfer Auger Main Unit with Heavy-duty Flight
  - Outlet Spout
  - Elliptical Roof Plate
  - Adjustable Support Bracket
  - Motor Mount
  - 14" [35.56 cm] Single Groove Driven Pulley
  - Belt
  - 3' 0.9144 m] of 4" [10.16 cm] Flex Tubing
  - Two 10' [3.048 m] Support Legs
  - Plastic Belt Shield
  - Pivot Plate for Transfer Auger Boot
- Not included
- Motor and 4" [10.16 cm] Motor Pulley

Part Number	List Price	Length		Power		Weight	
		feet	meters	hp	kW	lb	kg
021276		21	6.40	1	0.746	207	94
021278		25	7.62	1½	1.119	247	112
021281		31	9.45	1½	1.119	260	118
021286		41	12.5	2	1.491	315	143
021291		51	15.54	2	1.491	370	168
021296		61	18.59	3	2.237	427	194

To price auger lengths not shown, add extension(s) from the following chart to the 11' [3.353 m] base price shown above.

Length		Part Number	List Price	Weight	
feet	meters			lb	kg
2	0.6096	022219		15	7
4	1.219	022220		26	12
6	1.829	022221		36	16
8	2.438	022222		46	21
10	3.048	022223		57	26
20	6.096	022224		110	50

4" [10.16 cm] Accessories*				
Description	Part Number	List Price	Weight	
			lb	kg
4" [10.16 cm] Adjustable Support Bracket	021031		32	15
4" [10.16 cm] Bridging & Trussing Kit:	-		-	-
Single Truss with Cable	021216		37	17
Double Truss with Cable	021217		55	25
4" [10.16 cm] Clamping Bands (Halves)	035002		1	0.5
4" [10.16 cm] Connecting Sleeve	036410		4	2
4" [10.16 cm] - 6" [15.24 cm] Outlet Adaptor (Adapts 4" [10.16 cm] outlet to use 6" [15.24 cm] Accessories)	024204		7	3
4" [10.16 cm] Flow-Thru Slidegate Intake Hopper	021242		23	10
4" [10.16 cm] Grain Sampler with 20' [6.096 m] Tube	021214		16	7
4" [10.16 cm] Grain Sampler without Tube	021049		10	5
20' [6.096 m] Plastic Tube	021006		18	8



# 4" [10.16 cm] & 6" [15.24 cm] Transfer Augers

Designed for use with Circu-Flow Systems

(Continued)

## 6" [10.16 c.] Transfer Augers

Description	Part Number	List Price
6" [10.16 cm] x 3' [0.9144 m] Transfer Auger with 741 Speed Reducer Drive	022759	

NOTE: If the Circu-Flow system has a 4" [10.16 cm] motor pulley, you must use a 5" [12.7 cm] pulley on transfer auger. If the Circu-Flow system has a 3.2" [8.128 cm] pulley with a High Capacity Sweep, you must use a 5" [8.128 cm] motor pulley and upgrade to the next higher horsepower (hp) rating.

Price Includes

- 6" [10.16 cm] x 3' [0.9144 m] Dish. Head with 741 Reducer & HD Flight
- Outlet Spout
- Elliptical Roof Plate
- Adjustable Support Bracket
- E-Z Off Motor Mount
- Oil Enclosed Speed Reducer (4:1 Ratio)
- Belt
- 3' [0.9144 M] of 6" [10.16 CM] Flex Tubing
- 10" [25.40 cm] Single Groove Driven Pulley
- Plastic Belt Shield
- Pivot Plate for Transfer Auger Boot  
Not included
- Motor and 4" Motor Pulley

Part Number	List Price	Length		Power		Weight	
		feet	meters	hp	kW	lb	kg
021319		21	6.401	1	0.746	285	129
021321		25	7.62	1½	1.119	340	154
021324		31	9.449	1½	1.119	357	162
021329		41	12.5	2	1.491	434	197
021334		51	15.54	2	1.491	507	230
021339		61	18.59	3	2.237	657	298

To price auger lengths not shown, add extension(s) from the chart on the right to the 3' base price shown above.

Length		Part Number	List Price	Weight	
feet	meters			lb	kg
2	0.6096	047017		22	10
4	1.219	047018		36	16
6	1.829	047019		50	23
8	2.438	019836		64	29
10	3.048	019837		78	35
12	3.658	019838		92	42
14	4.267	019839		106	48
16	4.877	019840		120	54
18	5.486	019841		134	61
20	60.96	019842		148	67

6" [15.24 cm] Accessories*				
Description	Part Number	List Price	Weight	
			lb	kg
6" [15.24 cm] Flow-Thru Slide gate Intake Hopper	021243		30	14
6" [15.24 cm] Grain Sampler with 20' [6.096 m] Tube	021215		18	8
6" [15.24 cm] Grain Sampler without Tube	021050		14	6

For Heavy-duty 6" [15.24 cm] Extensions  
¼" [0.635 cm] please see page A-8



## 4" [10.16 cm] Secondary Transfer Augers Designed for use with Circu-Flow Systems

Description	Part Number	List Price	Weight	
			lb	kg
4" [10.16 cm] x 11' [3.353 m] Secondary Transfer Auger	021254		168	76

**Price Includes**

- 4" [10.16 cm] x 11' [3.353 m] Transfer Auger Main Unit with Heavy-duty Flight
  - Outlet Spout
  - Two Adjustable Support Brackets
  - Motor Mount
  - 14" [35.56 cm] Single Groove-Driven Pulley
  - Belt
  - 3' [0.9144 m] of 4" [10.16 cm] Flex Tubing
  - Flow-Thru Intake Hopper with 6" [15.24 cm] Square Outlet
  - Plastic Belt Shield
- Not included
- Motor and 4" [10.16 cm] Motor Pulley

For 6" [15.24 cm] Secondary Transfer Augers Order  
Parts from All Purpose Auger Section

**Extension pricing  
(add to the 11' [3.353 m] base price)**

Length		Part Number	List Price	Weight	
feet	meters			lb	kg
2	0.6096	022219		15	7
4	1.219	022220		26	12
6	1.829	022221		36	17
8	2.438	022222		46	21
10	2.743	022223		57	26
20	6.096	022224		110	50

Power Requirements			
Length		Power Needed	
feet	meters	hp	kW
Up to 21	Up to 6.401	1	0.746
23-31	7.01-9.449	1½	1.119
33-51	10.06-15.54	2	1.491
53-61	16.15-18.59	3	2.237

### Transfer Auger & Secondary Transfer Auger Bill of Lading Prices

4" [10.16 cm] Transfer Auger - 021275	Part Number	List Price
4" [10.16 cm] x 11' [3.353 m] Transfer Auger Main Unit	021007	
1" [2.54 cm] x 10' [3.048 m] Support Legs (set of two)	022399	
4" [10.16 cm] Adjustable Support Bracket	021031	
Plastic Belt Shield	047182	
4" [10.16 cm] Transfer Auger Box of Parts	021000	
- or -	--	
4" [10.16 cm] 2-Belt Transfer Auger Box of Parts	021004	

Use chart on Transfer Auger Page for Extensions.

6" [15.24 cm] Transfer Auger - 022759	Part Number	List Price
6" [15.24 cm] x 3' [0.9144 m] TA Main Unit with 741 Reducer	021392	
6" [15.24 cm] Adjustable Support Bracket	021032	
Plastic Belt Shield	047182	
EZ Off Motor Mount	047917	
6" [15.24 cm] Transfer Auger Box of Parts	021002	

Use chart on Transfer Auger Page for Extensions.

4" Secondary Transfer Auger - 021254	Part Number	List Price
4" [10.16 cm] x 11' [3.353 m] TA Main Unit	021007	
4" [10.16 cm] Adjustable Support Brackets (set of two)	021031	
Plastic Belt Shield	047182	
4" [10.16 cm] Secondary Transfer Auger Box of Parts	021183	
Flow-Thru Slidegate Intake Hopper	021242	

Use chart above for Extensions.



## Main Unit Prices

### 8" [20.32 cm] Dual Sweep



All Sweeps feature Circu-Drive® center propelling wheel and hard surfacing. Dual Sweep Circu-Flow units have a continuous flow unloading capacity of 500 BPH and a bin unloading capacity of about 1800 BPH. The drying rate is contingent on many factors. Please consult NECO for specific drying rate calculations.

**Includes**

- Underbin Auger and Tube, •Center Hopper and Gearboxes, •Belt Shield, •Control Rod, •Center Holding Rods, •Box of Parts, •Two Hard-Surfaced Tapered Sweeps, with •Circu-Drive, and •Cast Iron Propelling Wheel, •Outside Wear Plate & Circu-Drive Wear Plate also an Outside Vertical Auger, •Tube, •Gearbox, and •Bin Bracket, where required.

To obtain the "H" dimension for a Flow System, take the height of the bin from the top of the fill hatch to the top of the drying floor. Subtract 4' from this dimension. Round down to the next lowest whole foot. For example, if the height obtained after subtracting the 4' [1.219 m] is 19'7" [5.969 m], round down to 19' [5.791]. The dimension obtained is the "H" dimension. Order the appropriate center vertical from the chart to the right.

**Includes:**

- Center Vertical Auger & Tube,
- Recirculating Spreader, &
- Transfer Auger Boot

### Basic Dual Sweep Circu-Flow® Options

Bin Diameter		8" [20.32 cm] Horizontal Unloaders		8" [20.32 cm] Vertical Unloaders	
feet	meters	Part Number	List Price	Part Number	List Price
21	6.401	012350		012361	
22	6.706	012351		012362	
24	7.315	012352		012363	
25	7.62	012353		012364	
27	8.23	012354		012365	
28	8.534	012377		012366	
30	9.144	012356		012367	
31	9.449	012357		012368	
33	10.06	012358		012369	
36	10.97	012359		012370	
37	11.28	012360		012371	

### Dual Sweep Center Vertical Options

"H" Dimension		Standard with 1 Transfer Auger Boot		With 180° Transfer Auger Boot	
feet	meters	Part Number	List Price	Part Number	List Price
16	4.877	012055		012372	
17	5.182	012056		012373	
18	5.486	012057		012374	
19	5.791	012058		012022	
20	6.096	012059		012375	
21	6.401	012060		012214	
22	6.706	012061		012019	
23	7.01	012062		012319	
24	7.315	012063		012589	
25	7.62	012094		012020	
26	7.925	012231		012317	
27	8.23	012095		012899	
28	8.534	012294		012376	

Description	Part Number	List Price
Multi-Direction Boot	012176	

Refer to page FL-1 For Horsepower (hp) Required.  
Order Control Box From Page FL-2



## 8" [20.32 cm] Dual Sweep Circu-Flow® Bill of Lading Prices

Bill of Lading Item	21' [6.40m]	22' [6.71m]	24' [7.32m]	25' [7.62m]	27' [8.23m]	28' [8.53m]	30' [9.14m]	31' [9.45m]	33' [10.06m]	36' 10.97m]	37' [11.28m]
8" [20.32 cm] Underbin Tube	001216	001216	001216	001216	001217	001217	001218	001218	001220	001221	001221
8" [20.32 cm] Underbin Auger Assembly	012124	012124	012124	012124	012125	012125	012126	012126	012127	012128	012128
Tapered Sweep with Hardened-surface and Circu-Drive® (Order 2)	012025	012026	012027	012028	012029	012030	012031	012032	012033	012034	012035
Circu-Drive® Wear Plates (Number needed)	010395	010395	010395	010395	010395	010395	010395	010395	010395	010395	010395
	(22)	(23)	(25)	(26)	(28)	(29)	(31)	(32)	(34)	(37)	(38)
Outside Wear Track (Number needed)	010493	010493	010493	010493	010493	010493	010493	010493	010493	010493	010493
	(7)	(7)	(8)	(8)	(9)	(9)	(10)	(10)	(11)	(12)	(12)
Control Rod	010244	010244	010244	010244	010245	010245	010246	010246	010247	010248	010248
Bundle Center Holding Rods	010622	010622	010622	010622	010622	010622	010622	010622	010622	010622	010622

### Discharge Type

Description	Part Number	8" [20.32 cm] Horizontal	8" x 13' [20.32 cm x 3.96 m] Vertical
8" [20.32 cm] Horizontal--Box of Parts	012000		
8" [20.32 cm] Vertical--Box of Parts	010703		
8"x13' [20.32 cm x 3.96 m] Vertical Assembly	014221		
8" [20.32 cm] Horizontal--Belt Shield	010341		
8" [20.32 cm] Vertical Belt Shield	010472		
8" [20.32 cm] 45° Spout	035171		
8" [20.32 cm] Adjustable Bin Bracket	014254		
8" [20.32 cm] Cable brace Kit	010800		



## 6" [15.24 cm] Direct-Drive, Belt-Drive Transfer Augers Designed for use with 8" [20.32 cm] Dual Sweep Circu-Flow Systems

Description	Part Number	List Price
6" x 3' [15.24 cm x 0.9144 m] Direct Drive Transfer Auger without Extensions	021428	

**Price Includes**

- 6" x 3' [15.24 cm x 0.9144 m] Discharge Head with Heavy-duty Flashing
- Outlet Spout
- Elliptical Roof Plate with Rubber Seal
- Adjustable Support Bracket
- E-Z Off Motor Mount
- 16" [40.64 cm] 2-Belt Drive Kit
- 3' of 6" [0.9144 m of 15.24 cm] Flex Tubing
- Belt Shield
- Pivot Plate for Transfer Auger Boot on 8" [20.32 cm] Center Vertical

**Not Included**

- Motor and 3.2" [8.128 cm] 2-Groove Motor Pulley

Part Number	List Price	Length		Power		Weight	
		feet	meters	hp	kW	lb	kg
021341		21	6.401	1½	1.119	54	24
021343		25	7.62	2	1.491	309	140
021346		31	9.449	2	1.491	326	148
021351		41	12.5	3	2.237	403	183
021356		51	15.54	3	2.237	476	216
021361		61	18.59	3	2.237	626	284

To price auger lengths not shown, add extension(s) from the following chart to the 3' [0.9144 m] base price shown above.

**6" [15.24 cm] Accessories**

Description	Part Number	List Price	Weight	
			lb	kg
6" [15.24 cm] Flow-Thru Slidegate Intake Hopper	021243		30	14
6" [15.24 cm] Adjustable Support Bracket	021032		22	10
6" [15.24 cm] Grain Cleaner Screening Section (¼" [0.635 cm] Diameter Holes for Corn)	021213		122	55
6" [15.24 cm] Grain Sampler with 20' [6.096 m] Tube	021215		18	8
6" [15.24 cm] Grain Sampler without Tube	021050		14	6

Length		6" [15.24 cm] Tube & Auger Extensions			
		Part Number	List Price	Weight	
feet	meters				
2	0.6096	047017		22	10
4	1.219	047018		36	16
6	1.829	047019		50	23
8	2.438	019836		64	29
10	3.048	019837		78	35
12	3.658	019838		92	42
14	4.267	019839		106	48
16	4.877	019840		120	54
18	5.486	019841		134	61
20	6.096	019842		148	67

### 6" Direct Drive Belt-Drive Transfer Augers Bill of Lading Prices

Description	Part Number	List Price
Box of Parts, 6" [15.24 cm] Direct Drive Transfer Auger	021185	
6" x 3' [15.24 cm x 0.9144 m] Discharge Head	047004	
6" [15.24 cm] Adjustable Support Bracket	021032	
E-Z Off Motor Mount	047917	
Belt Shield 16"/20" [40.64 cm / 50.8 cm] Pulleys	047915	
Drive Kit, 16" [40.64 cm] x 2 Belt	022606	



# Basic Super-Flow and Twin Sweep Super-Flow Prices

(Two part numbers are required from this page)

## Step 1: Order Main Unit (Order 1)



**Single Sweep unit**  
**650 BPH continuous flow**  
**unloading rate.\***



**Two Sweep unit**  
**700 BPH continuous flow**  
**unloading rate.\***

Bin Diameter		6" [15.24 cm] Super-Flow Base	List Price	8" [20.32 cm] Super-Flow Base	List Price	6" [15.24 cm] Twin Sweep Super-Flow Base	List Price	8" [20.32 cm] Twin Sweep Super-Flow Base	List Price
feet	meters								
24	7.315	011411		011420		011430		011439	
25	7.362	011412		011422		011431		011464	
27	8.23	011413		011423		011432		011441	
28	8.534	011414		011424		011463		011461	
30	9.144	011415		011425		011434		011443	
31	9.449	011416		011426		011435		011444	
33	10.06	011417		011427		011436		011462	
36	10.97	011418		011428		011437		011446	
42	12.8	011419		011429		011438		011447	

**Included**

- Underbin Auger and Tube, •Center Hopper and Gearboxes, •Control Rod, •Hard-surfaced Tapered Sweep(s) with Circu-Drive, and •Cast Iron Propelling Wheel, Outside Wear Plate & Circu-Drive Wear Plate.

**Not included**

- Box of parts, •Belt shield, or •the Vertical Discharge Auger. These items can be ordered using the information below.

\*The Continuous flow unloading rate is the rate at which the tapered sweep(s) unload the bin. The Drying rate is contingent on many factors. Please consult NECO for specific drying rate calculations. Bin unloading capacities when unloading from the center of the bin with the slide gate open are as shown on the right.

Bin Unloading Capacity			
Auger Diameter		Volume Processed	
feet	meters	Bushels per Hour (BPH)	Metric Ton per Hour
6	1.829	800-1,000	20-25
8	2.438	1,600-1,800	40-46

## Step 2: Order Discharge Type (Order 1)

Discharges for Super-Flow and Twin Sweep Super-Flow  
 Prices shown are without the Motor Pulley.

Discharge Type	6" [15.24 cm] Diameter		8" [20.32 cm] Diameter	
	Part Number	List Price	Part Number	List Price
Horizontal Unloading	011449		011454	
Vertical 13' [3.962 m]	011450		011455	
Vertical 16' [4.877 m]	011451		011456	
Vertical 19' [5.791 m]	011452		011457	
Vertical 20' [6.096 m]	011453		011458	

**NOTE:**

- A 3.2" [8.128 m] 3-Groove (3-belt) pulley is needed for Super-Flow.
- A 4: 3-groove (3-belt) pulley is needed for Twin Sweep Super-Flow.

**NOTE:**

- You must match the unloader size on the Flow system chosen (see Step 1 above) to the horizontal or vertical unloader. Vertical augers are designed to run at 1½ times the speed of the horizontal augers so as to match the capacity of the same-sized horizontal auger.
- Refer to page FL-1 For Horsepower (hp) requirements.



## Super-Flow & Twin Sweep Super-Flow Bill of Lading Prices

Main Unit

Bill of Lading Item	24' [7.32m]	25' [7.62m]	27' [8.23m]	28' [8.53m]	30' [9.14m]	31' [9.45m]	33' [10.06m]	36' [10.97m]	42' [12.8m]
6" [15.24 cm] Underbin Tube	001190	001190	001192	001192	001193	001193	001199	001200	036310
6" [15.24 cm] Underbin Auger Assembly	011077	011077	011078	011078	011079	011079	011080	011081	011082
8" [20.32 cm] Underbin Tube	001216	001216	001217	001217	001218	001218	001220	001221	001224
8" [20.32 cm] Underbin Auger Assembly	011332	011332	011340	011340	011286	011286	011459	011347	011460
Super-Flow Circu-Drive Wear Plates (Number needed) Price (each)	010395 (24)	010395 (25)	010395 (27)	010395 (28)	010395 (30)	010395 (31)	010395 (33)	010395 (36)	010395 (42)
TSSF Circu-Drive Wear Plates (Number needed) Price (each)	010395 (25)	010395 (26)	010395 (28)	010395 (29)	010395 (31)	010395 (32)	010395 (34)	010395 (37)	010395 (43)
Outside Wear Track (Number needed) Price (each)	010493 (8)	010493 (8)	010493 (9)	010493 (9)	010493 (10)	010493 (10)	010493 (11)	010493 (12)	010493 (14)
Control Rod	010244	010244	010245	010245	010246	010246	010247	010248	010250
Protective Hood	011135	011135	011135	011135	011135	011135	011135	011135	011135
Super-Flow Tapered Sweep with Hardened-surface and Circu-Drive®	011023	011024	011025	011026	011027	011028	011029	011032	011035
Twin-Sweep Super-Flow Tapered Sweeps with Hardened-Surface and Circu-Drive Price (Order 2)	012027	012028	012029	012030	012031	012032	012033	012034	012296

Hopper Assembly		
Description	Part Number	List Price
6" [15.24 cm] Super-Flow Hopper with Gearboxes	011113	
8" [20.32 cm] Super-Flow Hopper with Gearboxes	011410	
6" [15.24 cm] Twin Sweep Super-Flow Hopper with Gearboxes	011262	
8" [20.32 cm] Twin Sweep Super-Flow Hopper with Gearboxes	011282	



## Super-Flow & Twin Sweep Super-Flow Bill of Lading Prices (Continued)

Discharge Type													
Bill of Lading Item	Part Number	List Price	6" [15.24cm] Horizontal 011449	8" [20.32cm] Horizontal 011454	6"x13' [15.24cm x 3.96m] Vertical 011450	6"x16' [15.24cm x 4.88m] Vertical 011451	6"x19' [15.24cm x 5.79m] Vertical 011452	6"x20' [15.24cm x 6.10m] Vertical 011453	8"x13' [20.32cm x 3.96m] Vertical 011455	8"x16' [20.32cm x 4.88m] Vertical 011456	8"x19' [20.23cm x 5.79m] Vertical 011457	8"x21' [20.32cm x 6.10m] Vertical 011458	
6" [15.24cm] Horizontal, Box of Parts	011000		1										
8" [20.32cm] Horizontal, Box of Parts	011283			1									
6" [15.24cm] Vertical 19' and smaller, Box of parts	011013				1	1	1						
6" [15.24cm] Vertical (20' [6.10m] & larger), Box of parts	011310							1					
8" [20.32cm] Vertical, Box of Parts	011327								1	1	1	1	
6" [15.24cm] Vertical Assembly x 13' [3.96m]	014220				1								
6" [15.24cm] Vertical Assembly x 16' [4.88m]	014543					1							
6" [15.24cm] Vertical Assembly x 19' [5.79m]	014240						1						
6" [15.24cm] Vertical Assembly x 20' [6.10m]	014213							1					
8" [20.32cm] Vertical Assembly x 13' [3.96m]	014221								1				
8" [20.32cm] Vertical Assembly x 16' [4.88m]	014241									1			
8" [20.32cm] Vertical Assembly x 19' [5.79m]	014514										1		
8" [20.32cm] Vertical Assembly x 20' [6.40m]	014639											1	
6/8" [15.24/20.32cm] Horizontal Belt Shield	010341		1	1									
6" [15.24cm] Vertical Belt Shield	010351				1	1	1	1					
8" [20.32cm] Vertical Belt Shield	012168								1	1	1	1	
8" [20.32cm] 45° Spout	035171								1	1	1	1	
6" [15.24cm] Bin Bracket	014253				1	1	1	1					
8" [20.32cm] Bin Bracket	014254								1	1	1	1	
6" [15.24cm] Cable Brace Kit	036227		1										
8" [20.32cm] Cable Brace Kit	010800			1									



## Basic Commercial-Flow Prices

Two Sweep unit 1500 BPH continuous flow unloading rate.\*

### Includes

- Under bin Tube, Auger and Discharge Head with 3051 Reducer Drive
- Center Hopper with Double Gear Box
- Two Tapered Sweep Augers with Hard-Surfacing and Circu-Drive®
- Circu-Drive® wear track
- Center Hopper control rod
- Wear Plate for cast-iron wheel
- Horizontal Belt Shield
- 2-Groove Driven Pulley and Belts
- Protective Hood Assembly
- Box of Parts for Horizontal Discharge
- Motor Mount Cable Brace Kit

Bin Diameter		Commercial Flow Base Part Number	List Price
feet	meters		
24	7.32	013154	
27	8.23	013155	
30	9.14	013156	
31	9.45	013192	
33	10.06	013157	
36	10.97	013158	
42	12.8	013159	
48	14.63	013160	

### Not included

- 4" [10.16cm] OD two-groove Motor Pulley

Please refer to page FL-1 to determine needed Horsepower (hp).

Please order Control Box from Page FL-2.

Add to the Commercial-Flow® prices as required\*.

Description	Part Number	List Price	Weight	
			lb	kg
8"x13' [20.32cm x 3.96m] Vertical Unloading Auger with Adjustable Bin Bracket and 45° Spout (fixed). Conversion kit.	013027		354	161
8"x16' [20.32cm x 4.88m] Vertical Unloading Auger with Adjustable Bin Bracket and 45° Spout (fixed). Conversion kit.	013193		414	189
8"x20' [20.32cm x 6.10m] Vertical Unloading Auger with Adjustable Bin Bracket and 45° Spout (fixed). Conversion kit.	013194		472	215

\*This option requires a separate 5 hp [3.728 kW] motor to run the vertical auger. It is also important to allow for an extra control within the Deluxe Automatic Control Box for this motor. Order Control Box from Page FL-2.)

### Optional Flex spout for Vertical Discharge Auger

Description	Part Number	List Price	Weight	
			lb	kg
8"x5' [20.32cm x 1.52m] Flex Spout	035176		16	7
8"x10' [20.32cm x 3.05m] Flex Spout	036433		31	14
Square Flange Ring Adapter (to adapt the vertical spout to fit Flex Spouts)	035216		8	4



## Commerical-Flow Bill of Lading Prices

### Main Unit

Bill of Lading Item	24' [7.32m]	27' [8.23m]	30' [9.14m]	31' [9.45m]	33' [10.06m]	36' [10.97m]	42' [12.8m]	48' [14.63m]
Protective Hood	011139	011139	011139	011139	011139	011139	011139	011139
Center Hopper with Gearbox Assembly	013142	013142	013142	013142	013142	013142	013142	013142
8" [20.32cm] Underbin Auger & Tube Assembly with 3051 Reducer Drive	013069	013070	013071	013071	013072	013073	013074	013075
Control Rod for Center Hopper	013107	013108	013109	013109	013110	013111	013113	013114
Commercial-Flow Tapered Sweeps Hard Surfaced & Circu-Drive® (Order 2)	013006	013008	013010	013011	013012	013015	013019	013141
Circu-Drive Wear Plates	010395	010395	010395	010395	010395	010395	010395	010395
	(24)	(27)	(30)	(31)	(33)	(36)	(42)	(48)
Outside Wear Track	010493	010493	010493	010493	010493	010493	010493	010493
	(8)	(9)	(10)	(10)	(11)	(12)	(14)	(16)
Horizontal--Box of Parts	013143	013143	013143	013143	013143	013143	013143	013143
8" [20.32cm] Cable Brace Kit	010800	010800	010800	010800	010800	010800	010800	010800

### 8" [20.32 cm] Vertical Auger Kit for Commercial Flow - 013027

Description	Part Number	List Price	Weight	
			lb	kg
8"x10' [20.32cm x 3.048m] Heavy-duty Auger & Tube Extension with Connection	048649		160	73
8" [20.32cm] Adjustable Bin Bracket	014528		23	10
Drive Kit 12"x1¼" [30.48cm x 3.175cm] 2-Belt	022024		6	3
8" [20.32cm] Vertical Force-Feed Intake Boot	022931		53	24
8" [20.32cm] Outlet Vertical Force-Feed Boot with Flippers	047533		10	5
Box of Parts EZ Off Motor Mount	047917		25	11
Plastic Belt Shield to 14" [35.56cm] Pulley	047182		10	5
8" [20.32cm] 45° Spout	036551		27	12
8" [20.32cm] Discharge Head	047005		40	18



Conversion Table				
<p>Length Conversion</p> <p>' = foot or feet " = inch or inches</p> <p>¼" = 0.635 cm ½" = 1.27 cm ¾" = 1.905 cm 1" = 2.54 cm 1¼" = 3.175 cm 1½" = 3.81 cm 1¾" = 4.445 cm 2" = 5.08 cm 3" = 7.62 cm 3.2" = 8.128 cm 4" = 10.16 cm 5" = 12.7 cm 6" = 15.24 cm 7" = 17.78 cm 7½" = 19.05 cm 8" = 20.32 cm 9" = 22.86 cm</p> <p>10" = 25.40 cm 11" = 27.94 cm 12" = 30.48 cm 13" = 33.02 cm 14" = 35.56 cm 15" = 38.10 cm 16" = 40.64 cm 18" = 45.72 cm 18.4" = 46.74 cm</p> <p>20" = 50.8 cm 22" = 55.88 cm 24" = 60.96 cm 27" = 68.58 cm 28" = 71.12 cm 30" = 76.2 cm 30½" = 77.47 cm 32" = 81.28 cm 33" = 83.82 cm 36" = 91.44 cm 43" = 109.2 cm 52" = 132.1 cm 63" = 160 cm</p>	<p>1' = 0.3048 meters 2' = 0.6096 meters 3' = 0.9144 meters 4' = 1.219 meters 4'8" = 1.422 meters 5' = 1.524 meters 6' = 1.829 meters 7' = 2.134 meters 7'6" = 2.286 meters 8' = 2.438 meters 9' = 2.743 meters</p> <p>10' = 3.048 meters 11' = 3.353 meters 12' = 3.658 meters 13' = 3.962 meters 14' = 4.267 meters 15' = 4.572 meters 16' = 4.877 meters 17' = 5.182 meters 18' = 5.486 meters 19' = 5.791 meters</p> <p>20' = 6.096 meters 21' = 6.401 meters 22' = 6.706 meters 23' = 7.01 meters 24' = 7.315 meters 25' = 7.62 meters 26' = 7.925 meters 27' = 8.23 meters 28' = 8.534 meters 29' = 8.839 meters</p> <p>30' = 9.144 meters 31' = 9.449 meters 32' = 9.754 meters 33' = 10.06 meters 34' = 10.36 meters 35' = 10.67 meters 36' = 10.97 meters 37' = 11.28 meters 38' = 11.58 meters 39' = 11.89 meters</p>	<p>40' = 12.19 meters 41' = 12.5 meters 42' = 12.8 meters 43' = 13.11 meters 44' = 31.41 meters 45' = 13.72 meters 46' = 14.02 meters 47' = 14.33 meters 48' = 14.63 meters 49' = 14.94 meters</p> <p>50' = 15.24 meters 51' = 15.54 meters 52' = 15.85 meters 53' = 16.15 meters 54' = 16.46 meters 55' = 16.76 meters 56' = 17.07 meters 57' = 17.37 meters 58' = 17.68 meters 59' = 17.98 meters</p> <p>60' = 18.29 meters 61' = 18.59 meters 62' = 18.9 meters 63' = 19.2 meters 64' = 19.51 meters 65' = 19.81 meters 66' = 20.12 meters 67' = 20.42 meters 68' = 20.73 meters 69' = 21.03 meters</p> <p>70' = 21.34 meters 71' = 21.64 meters 72' = 21.95 meters 73' = 22.25 meters 74' = 22.56 meters 75' = 22.86 meters 76' = 23.16 meters 77' = 23.47 meters 78' = 23.77 meters 79' = 24.08 meters</p>	<p>80' = 24.38 meters 81' = 24.69 meters 82' = 24.99 meters 83' = 25.3 meters 84' = 25.6 meters 85' = 25.91 meters 86' = 26.21 meters 87' = 26.52 meters 88' = 26.82 meters 89' = 27.13 meters</p> <p>90' = 27.43 meters 91' = 27.74 meters 92' = 28.04 meters 93' = 28.25 meters 94' = 28.65 meters 95' = 28.96 meters 96' = 29.26 meters 97' = 29.57 meters 98' = 29.87 meters 99' = 30.18 meters 100' = 30.48 meters</p> <p>101' = 30.78 meters 102' = 31.09 meters 103' = 31.39 meters 104' = 31.7 meters 105' = 32 meters 106' = 32.31 meters 107' = 32.61 meters 108' = 32.92 meters 109' = 33.22 meters 110' = 33.53 meters</p> <p>111' = 33.83 meters 112' = 34.14 meters 113' = 34.44 meters 114' = 34.75 meters 115' = 35.05 meters 116' = 35.36 meters 117' = 35.66 meters 118' = 35.97 meters 119' = 36.27 meters</p>	<p>120' = 36.58 meters 121' = 36.88 meters 122' = 37.19 meters 123' = 37.49 meters 124' = 37.8 meters 125' = 38.1 meters 126' = 38.4 meters 127' = 38.71 meters 128' = 39.01 meters 129' = 39.32 meters</p> <p>Power Conversion</p> <p><u>hp</u>      <u>kW</u></p> <p>0.25 = 0.1861 0.5 = 0.3728 0.75 = 0.5593 1 = 0.7456 1.5 = 1.1185 2 = 1.4913 2.5 = 1.8642 2.65 = 1.976 3 = 2.2370 5 = 3.7284 7 = 5.2198 7½ = 5.5927 10 = 7.4569 15 = 11.1854 20 = 14.9139 30 = 22.37 40 = 29.83 50 = 37.28 60 = 44.74</p>

Conversion Factors			
<p>Abbreviations</p> <p>' = foot or feet " = inch or inches</p> <p>lb = pound kg = kilogram</p> <p>cm = centimeter m = meter</p> <p>hp = horsepower kW = kilowatt hz = hertz</p>	<p>Distance and Length</p> <p>centimeter x 0.394 = inches centimeter x 0.03281 = feet meter x 3.281 = feet</p> <p>inches x 2.540 = centimeters feet x 30.48 = centimeters feet x 0.3049 = meters</p>	<p>Weight and Mass</p> <p>pounds x 0.454 = kilogram kilogram x 2.205 = pounds</p>	<p>Power</p> <p>horsepower x 0.746 = kilowatts kilowatts x 1.34 = horsepower</p>