

# EnduraMax™ Direct-Drive 57-Inch Fan



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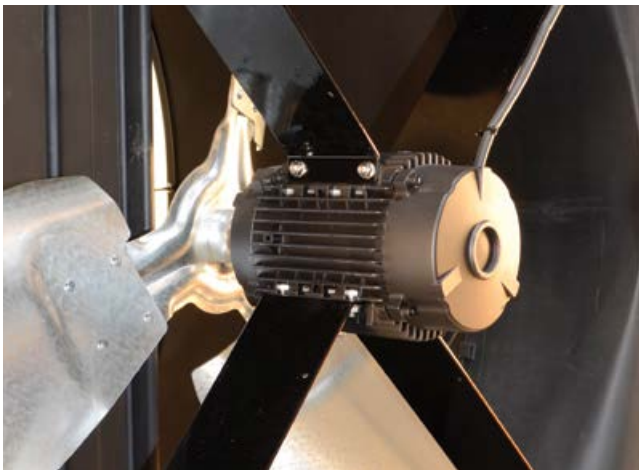
Chore-Time's 57-inch (145-cm) EnduraMax™ Direct-Drive Fan features a variable-speed, direct-drive motor for minimal maintenance and maximum efficiency.

## Low Maintenance

- EnduraMax™ Fans with direct-drive motor eliminate many common maintenance needs.
- No belts and pulleys to replace.
- No bearings to grease.
- Durable design of the EnduraMax™ Fan itself offers low maintenance and long-lasting performance.

## Energy Efficient

- Direct-drive design offers a superior level of efficiency for energy-minded growers.
- Even greater savings can be achieved due to variable speed functionality.



*With no belts, pulleys or bearings, the direct-drive motor eliminates many common maintenance needs.*



Count on Chore-Time for experience, reliability, performance and confidence.



*Chore-Time's 57-inch EnduraMax™ Direct-Drive Fan with HYFLO® Shutters features a variable speed motor to help maximize energy efficiency.*

## Variable Speed

- Variable frequency drive allows fan to operate at different speeds.
- Fan speed is controlled automatically by the CHORE-TRONICS® 3 Controller in combination with a variable frequency drive.
- Exponential energy savings can be achieved by slowing fan speed whenever air flow requirements allow.

## Fan Performance

- Efficiently produces one of the highest air flow ratings in the industry.
- Provides very consistent air flow as the wind speed varies.
- All EnduraMax™ Fan components were designed by Chore-Time to maximize overall fan efficiency.

## Proven EnduraMax™ Fan Design

- Direct-drive fans use Chore-Time's industry-leading ENDURA® Fan design.
- Features HYFLO® Shutters, which do not suffer the typical 12-15% loss of efficiency and air speed typical of dirty louver-style shutters, so air speed is maintained to the end of the flock, when you need it most.
- Durable long glass fiber composite shroud and HYFLO® Shutter Doors contain 35% fiberglass for strength.
- Extensive durability testing under both extreme high and extreme low temperatures.
- Black HDPE (high-density polyethylene) cone aids in light control.

# EnduraMax™ Direct-Drive Fan Specifications

## Composite Shroud & Shutter Doors / HDPE Cone

Direct-drive EnduraMax™ Fans efficiently produce one of the highest air flow ratings in the industry. Use a CHORE-TRONICS® 3 Controller, in combination with a variable frequency drive (shown below right), to achieve even greater energy savings by slowing the fan whenever air flow requirements allow.



*HYFLO® Shutters improve fan performance by minimizing obstructions during operation.*

*NOTE: Inside grill has been removed for photography only.*



*Variable frequency drive*

STANDARD MOUNT		U.S. MEASURE				METRIC				Air Flow Ratio	BESS Lab Test No.	Power
Part No.	Hz	Static Pressure .10"		Static Pressure .15"		Static Pressure 25 Pa		Static Pressure 37 Pa				
		CFM	CFM/Watt	CFM	CFM/Watt	CMH	CMH/Watt	CMH	CMH/Watt			
56555-1 Tested at 60 Hz	42.0	32,100	19.2	30,600	17.3	54,600	31.0	52,000	34.0	0.86	20084*	230V 1 Ph
		<b>Hz</b>	<b>Static Pressure .10"</b>	<b>Static Pressure .15"</b>	<b>Static Pressure 25 Pa</b>	<b>Static Pressure 37.5 Pa</b>						
	41.8	32,000	19.7	30,500	17.6	54,300	33.6	51,900	30.0			
	38.1	28,900	22.5	27,100	19.7	49,000	38.3	46,100	33.5			
	33.0	24,400	27.5	22,100	23.0	41,400	46.8	37,600	39.1			
	28.1	18,200	29.8	14,800	22.5	31,000	50.6	25,200	38.3			
	23.2	11,900	31.8	6,600	15.9	20,300	54.0	11,300	27.0			
56555-2 Tested at 60 Hz	42.0	32,100	20.0	30,400	17.7	54,500	34.0	51,600	30.1	0.86	20085*	230V 3 Ph
	38.2	28,800	22.8	27,100	19.9	48,900	38.8	46,100	33.7			
	33.2	24,400	27.6	21,900	22.7	41,400	46.9	37,200	38.6			
	28.2	18,300	29.9	14,700	22.4	31,100	50.8	25,000	38.1			
	23.2	11,400	30.5	6,500	15.5	19,400	51.8	11,000	26.4			
56555-2 Tested at 50 Hz	42.0	31,800	19.8	30,500	17.9	54,100	33.7	51,700	30.4	0.86	20086*	230V 3 Ph
	38.2	28,700	22.6	27,000	19.9	48,900	38.4	45,900	33.9			
	33.2	24,200	27.1	21,900	22.6	41,100	46.0	37,200	38.5			
	28.2	18,300	30.0	14,600	22.3	31,000	51.0	24,800	37.9			
	23.2	11,500	31.0	6,400	15.7	19,600	52.7	10,900	26.6			

\*Note: fan sub-assembly 56555-1P



## EnduraMax™ Direct-Drive Fan Specifications (continued)

STANDARD MOUNT		U.S. MEASURE				METRIC				Air Flow Ratio	BESS Lab Test No.	Power			
Part No.	Hz	Static Pressure .10"		Static Pressure .15"		Static Pressure 25 Pa		Static Pressure 37 Pa							
		CFM	CFM/Watt	CFM	CFM/Watt	CMH	CMH/Watt	CMH	CMH/Watt						
56555-3 Tested at 50 Hz	42.0	32,200	20.1	30,700	18.2	54,800	34.2	52,200	30.9	0.86	20427**	380V 3 Ph			
	38.3	29,200	23.1	27,500	20.4	49,600	39.3	46,700	34.7						
	33.3	24,600	27.6	22,400	23.4	41,800	46.9	38,100	39.7						
	28.3	18,400	29.9	15,000	22.7	31,300	50.7	25,400	38.5						
	Hz	Static Pressure .10"	Static Pressure .12"	Static Pressure 25 Pa	Static Pressure 30 Pa										
	23.3	12,100	32.0	9,900	26.3	20,600	54.4	16,800	44.8						
Hz	Static Pressure .10"	Static Pressure .15"	Static Pressure 25 Pa	Static Pressure 37 Pa											
56555-3 Tested at 60 Hz	42.0	32,300	20.2	30,600	18.0	54,900	34.4	51,900	30.5	0.86	20428**	480V 3 Ph			
	38.3	29,200	23.0	27,400	20.2	49,700	39.1	46,500	34.3						
	33.3	24,600	27.6	22,300	23.0	41,700	46.8	37,800	39.1						
	28.3	18,500	30.0	15,000	22.7	31,400	50.9	25,500	38.7						
	Hz	Static Pressure .10"	Static Pressure .12"	Static Pressure 25 Pa	Static Pressure 30 Pa										
	23.3	12,300	32.1	9,900	26.0	20,900	54.5	16,800	44.1						

FLUSH MOUNT										Air Flow Ratio	BESS Lab Test No.	Power
Part No.	Hz	Static Pressure .10"		Static Pressure .15"		Static Pressure 25 Pa		Static Pressure 37 Pa				
		CFM	CFM/Watt	CFM	CFM/Watt	CMH	CMH/Watt	CMH	CMH/Watt			
56911-1 Tested at 60 Hz	42.0	32,200	18.6	30,700	17.0	54,800	31.7	52,200	28.9	0.86	21079*	230V 1 Ph
	38.3	29,200	21.7	27,500	19.2	49,600	36.8	46,800	32.6			
	33.3	24,600	26.2	22,400	22.0	41,800	44.5	38,000	37.4			
	28.3	19,700	31.8	16,500	24.4	33,400	54.0	28,100	41.5			
	23.3	12,400	31.9	7,200	16.9	21,100	54.3	12,200	28.7			
56911-2 Tested at 60 Hz	42.0	32,100	19.1	30,500	17.3	54,500	32.4	51,900	29.4	0.86	21080*	230V 3 Ph
	38.3	29,200	21.9	27,300	19.1	49,600	37.2	46,300	32.4			
	33.3	24,700	26.5	22,400	22.1	42,000	45.0	38,000	37.5			
	28.3	19,500	31.8	16,300	24.5	33,200	54.1	27,800	41.7			
	23.3	12,100	31.9	7,100	16.6	20,600	54.3	12,000	28.1			
56911-3 Tested at 50 Hz	42.0	31,900	19.3	30,500	17.6	54,200	32.8	51,800	29.9	0.86	20436**	380V 3 Ph
	38.3	29,000	22.3	27,100	19.6	49,300	38.0	46,000	33.3			
	33.3	24,500	26.8	22,300	22.7	41,600	45.5	37,900	38.5			
	28.3	19,500	31.8	16,400	24.7	33,200	54.1	27,900	42.1			
	Hz	Static Pressure .10"	Static Pressure .12"	Static Pressure 25 Pa	Static Pressure 30 Pa							
23.3	12,200	31.7	10,000	26.0	20,700	53.9	17,000	44.1				

\*Note: fan sub-assembly 56555-1P

\*\*Note: fan sub-assembly 56555-3P



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