EnduraMax®
Direct-Drive 57-Inch Fan

CHORE-TIME®

Every. Day. PERFORMANCE.™

Chore-Time's 57-inch (145-cm) EnduraMax® Direct-Drive Fan features a variable-speed, direct-drive motor for minimal maintenance and the highest CFM potential.

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.

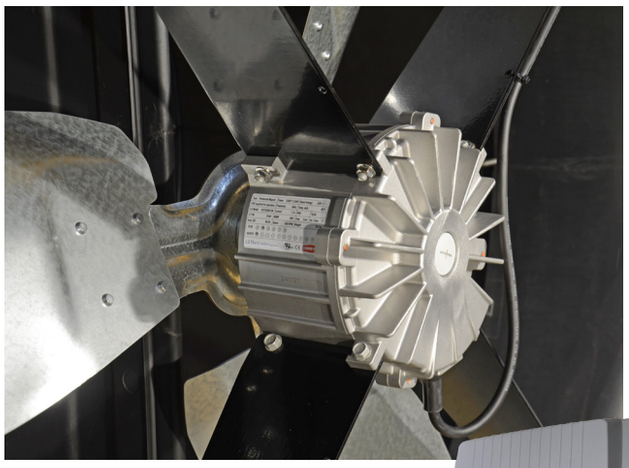
Fan Performance

- Capable of 20% more air than belt drive Hi-Cap fan at maximum CFM.
- Variable speed allows the EnduraMax to match the CFM of our existing fans at a higher efficiency.
- Efficiently produces one of the highest air flow ratings in the industry.
- More capable in higher static pressure conditions with varying outside conditions.
- All EnduraMax Fan components were designed by Chore-Time.

Proven EnduraMax® Fan Design

- Low profile fan design allows for more insulation space.
- Shroud design allows condensation to drain out of the house, helping to keep the house dry.
- 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.

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



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

Variable Speed

- Active Power Factor Correction
- Specifically chosen and tuned for LG motor to work optimally together.
- Firmware updates optimize motor performance
- Pre-defined program package does not require setup.
- Chore-Time Variable Frequency Drive allows fan to operate at different speeds and with an on/off option.
- Energy savings can be achieved by slowing fan speed whenever air flow requirements allow.
- Variable Speed allows for replacement of multiple 36-57-inch (91-145 cm) fans while maintaining air flow.

EnduraMax® Direct-Drive Fan Specifications
Composite Shroud & Shutter Doors / HDPE Cone

Direct-drive EnduraMax® Fans efficiently produce maximum CFM potential, while optimizing efficiency. Use a CATALYST® Controller, in combination with the Chore-Time Variable Frequency Drive to achieve even greater energy savings by slowing the fan whenever air flow requirements allow.

Chore-Time Variable Frequency Drive

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

NOTE: Inside grill has been removed for photography only.

EnduraMax® Direct-Drive Fan

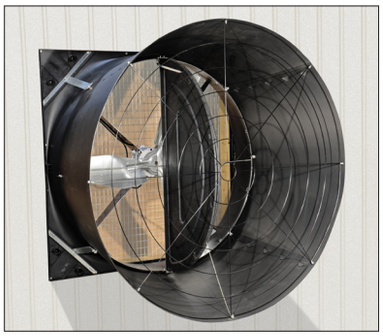
STANDARD MOUNT		U.S. MEASURE				METRIC						
		Static Pressure .10"		Static Pressure .15"		Static Pressure 25 Pa		Static Pressure 37 Pa				
Fan Kit Part No.	Speed Setting RPM / %	CFM	CFM/Watt	CFM	CFM/Watt	CMH	CMH/Watt	CMH	CMH/Watt	Air Flow Ratio	BESS Lab Test No.	Input Voltage
57611-11* Tested at 60 Hz	630 / 100	35700	17.3	34200	15.7	60700	29.4	58200	26.7	0.88	24694	230V 1 Ph
	575 / 91	32700	20.0	30600	17.6	55500	33.9	52000	30.0	0.84		
	538 / 85**	30100	22.3	28100	19.3	51200	37.9	47700	32.9	0.81		
	500 / 79	27500	23.9	25100	20.3	46800	40.7	42700	34.5	0.76		
	450 / 71	23900	27.0	20900	21.6	40700	45.9	35500	36.7	0.63		
	400 / 64	18800	26.9	13700	19.0	32000	45.7	23200	32.2	0.42		
	350 / 56	13700	27.0	8400	15.1	23400	45.9	14200	25.7	NA		

*Note: fan sub-assembly 57611-1P and VFD 58142-1

** 538/85% is interpolated from BESS Lab data.

Endura® Belt Drive Fan

STANDARD MOUNT		U.S. MEASURE				METRIC						
		Static Pressure .10"		Static Pressure .15"			Static Pressure 25 Pa		Static Pressure 37 Pa			
Fan Kit Part No.	Speed Setting RPM	CFM	CFM/Watt	CFM	CFM/Watt	Speed Setting RPM	CMH	CMH/Watt	CMH	CMH/Watt	BESS Lab Test No.	Input Voltage
53464-21 Tested at 60 Hz	542	30400	20.4	28300	18.0	541	51600	34.7	48100	30.6	21078	230V 1 Ph



Certified by BESS LAB University of Illinois

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