

Chore-Time® 52- and 48-Inch Fans* with HYFLO® Shutters



*Variable speed option available for certain fan models.

The Energy-Efficient Way to Smooth House Temperature and Airflow Changes

- Have you ever noticed excessive fan cycling?
- Have your young birds experienced chilling or increased mortality from excess airflow?
- Are you concerned about energy efficiency on your small minimum ventilation fans?

Chore-Time's variable speed fan option offers a solution to these problems and an improved environment for your birds.

Features and Benefits

- Improve the environment for your birds by using Chore-Time's variable speed fan to smooth the house's airflow and temperature curves.
- Gain efficiency with impressive CFM/watt during ramp up and ramp down periods.
- Reduce framing costs for new construction or retrofitting by adding a variable speed kit to a tunnel fan instead of installing a small fan.
- Inexpensively add variable speed capability to existing houses by converting existing tunnel fans to variable speed.

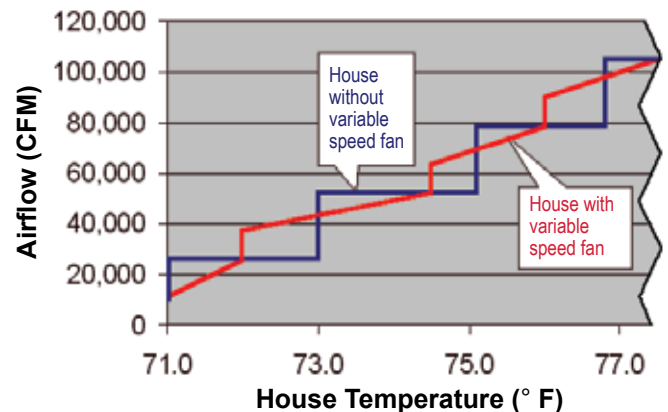


Chore-Tronics® 2 Control



Variable Frequency Drive

Airflow CFM with & without Variable Speed Fan



- Notice how use of Chore-Time's variable speed fan smooths the airflow in the house (red line).
- The fan's ability to gradually ramp up to full capacity (or down from full capacity) as the temperature goes up (or down) allows for a more gradual change in air speed, saves energy and provides a more consistent environment for birds.
- Four fans are shown in this graph, however this sequence could continue until all fans are operating at full capacity or house is in full tunnel mode.

Variable Speed Fans



TURBO® Fiberglass Fan with HYFLO® Shutter



VANGUARD™ Galvanized Fan with HYFLO® Shutter

How Does Use of a Variable Speed Fan Work?

1. Using your CHORE-TRONICS® 2 Control and a variable frequency drive, the fan equipped with variable speed capability comes on briefly at 100% to open the shutter, then drops back to the minimum speed setting.
2. The fan gradually accelerates to 100% (based on house temperature) until the first tunnel fan comes on. It then drops back to the minimum speed setting again and begins ramping up as the house temperature increases. This process can be repeated until all tunnel fans are on.
3. By increasing (and decreasing) its airflow gradually, the variable speed fan helps smooth out both airflow and temperature during the period before and after full tunnel operation.



VANGUARD™ Galvanized Fans with HYFLO® Shutters

52-Inch Galvanized Fan with HYFLO® Shutter

Control Setting	Fan Performance at .05" Static Pressure	
58% (35 Hz)	10,400 CFM	30.1 CFM/Watt
67% (40 Hz)	14,100 CFM	29.1 CFM/Watt
83% (50 Hz)	21,400 CFM	27.6 CFM/Watt
100% (60 Hz)	26,100 CFM	21.9 CFM/Watt

Bess Labs Test No. 08283

Contact Chore-Time for performance data on additional fan models.



Find your certified TRUE RED® distributor in our on-line distributor finder to get more information.



Poultry Production Systems

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