

# Total Environmental Control



## TURBO® Fan with HYFLO® Shutter

ENDURA® Fans (pictured) feature a black cone, while TURBO® Fans have a black option.

Cable attachment allows HYFLO® Shutter Doors to float left or right together for maximum efficiency.

Chore-Time's high-capacity 52-inch (132-cm) diameter TURBO® Fan with HYFLO® Shutter delivers more air with fewer fans – 29,700 CFM at 0.05 inches of static pressure in independent wind tunnel tests.

### HYFLO® SHUTTER

Chore-Time's HYFLO® Shutter minimizes obstructions during fan operation and seals tighter when not operating.

### MORE AIR-TIGHT SEAL

Delivers up to 10% more air with 75% less opportunity for air to leak through compared to a traditional louver shutter.

### LONG-TERM EFFICIENCY

HYFLO® Doors do not suffer the 12-15% loss of efficiency and air speed typical of dirty louver-style shutters, so air speed is maintained over time.

### OTHER TURBO FAN WITH HYFLO® SHUTTER FEATURES

- Available in 52-inch (132-cm) diameter only.
- Sturdy, corrosion-resistant fiberglass housing with cast aluminum blade

and corrosion-resistant components.

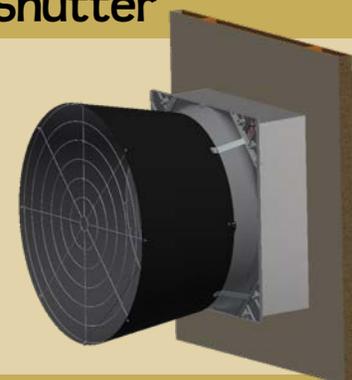
- One-piece, impact-resistant, polyethylene cone has 64-inch (162.6-cm) outside diameter, but can be compressed for 60-inch (152.4-cm) on-center installation.
- Automatic belt tensioner uses arm-and-pulley arrangement to provide consistent belt tension.
- Heavy-duty, cast-iron, air-handler-type bearings are self-aligning, pre-lubricated, and include a zerkl fitting, as well as being shielded from moisture and dust.
- Fans are shipped fully assembled, including shutter doors. At installation, simply attach fan to house sidewall, add one-piece cone, and snap grill in place. Unit installs flush on inside of house.
- Backed by Chore-Time's generous extended warranty, including limited lifetime coverage for housing and blade, and a bonus year on motors.\*
- The HYFLO® Shutter consists of only two moving parts for greater reliability and easier cleaning.

## Corrosion-Resistant ENDURA® Fan with HYFLO® Shutter

Chore-Time's 57-inch (145-cm) ENDURA® Fan provides high performance and corrosion resistance.

### ENDURA® FAN FEATURES

- HYFLO® Shutter Doors and composite shroud contain fiberglass for strength.
- Black HDPE (high-density polyethylene) cone aids in light control.
- Extensive durability testing under both extreme high and low temperatures.
- HYFLO® Shutters improve fan performance by minimizing obstructions during fan operation.
- Can be installed 60 inches (152.4 cm) on center over 56.5-inch (143.5-cm) framed openings, or will fit over



The ENDURA® Fan tilts down slightly, making it self-draining. Use optional extension kit to install fan flush with inside wall.

- openings for many 48-through 54-inch (122-through 137-cm) fans.
- Includes automatic belt tensioner, rugged air-handler bearings and heavy-duty fan blade.



Louver shutters are available in white or gray.

48-inch (122-cm) and smaller TURBO® Fans come only with louver shutters. Belled style has a curved aerodynamic frame. Flexible louver edge helps to seal the fan's opening.

\*See Chore-Time's full written warranty for complete warranty details.

# Chore-Tronics® 3 Controls

## CONTROL FEATURES

- Control all house ventilation components.
- Simple, precise operation with a variety of management tools, including user-defined programs and a wide range of history subjects.
- Easily expandable - choose 32, 40, 48, 56 or 80 nameable outputs. Includes 28 inputs - add up to 28 more.
- Easy-to-read text in 11 built-in languages with a large screen for less scrolling.
- Quick screen access and simple navigation.
- Built-in pneumatic drinking system (PDS™) control.
- PC-compatible using C-Central™ Software for control, monitoring and analysis - or control your houses from anywhere with the Chore-Time CHORE-TRONICS® 3 Mobile App.



## Space Heaters

### DURA-THERM™ 250 SPACE HEATER FEATURES

- 250,000 BTU output heats 2750 to 4400 square feet (255.5-408.8 m<sup>2</sup>). Certified for U.S. use only.
- A Canadian-certified unit is also available with choice of 225,000 BTU (LP) or 200,000 BTU (natural gas) output.
- Outside mount kit permits unit to be mounted outside the house - draws more fresh air, uses less space in house and adds less in-house humidity.
- An air deflector is available to direct air along walls instead of blowing directly on birds.
- Durable, galvanized steel cabinet with stainless steel option and heat-resistant aluminized burn chamber.
- High-performance cast-iron burner provides efficient combustion.
- Multiple ignition and fuel source options.
- Designed for easy cleaning and maintenance.



## Efficient TURBO-COOL™ Evaporative Cooling

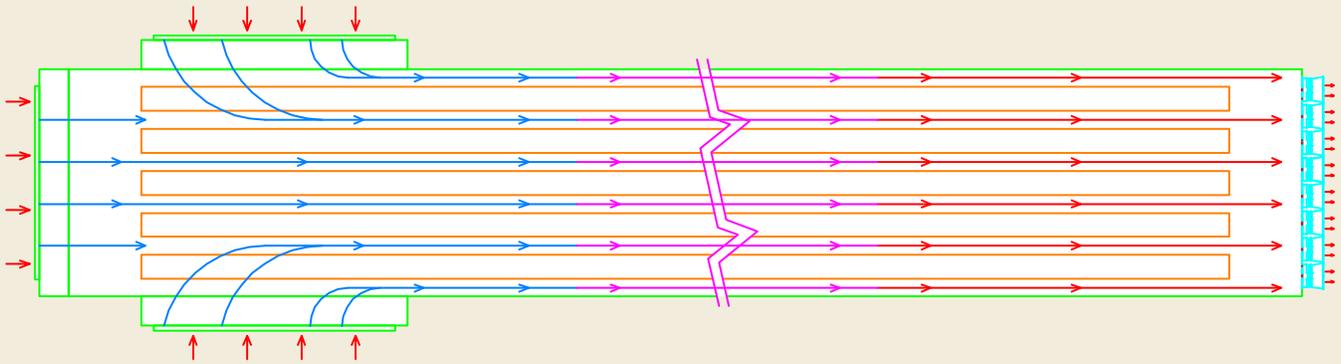
Chore-Time's TURBO-COOL™ Evaporative Cooling System is self-contained and efficient. Why just cool your house when you can "TURBO-COOL" it?

### TURBO-COOL™ SYSTEM FEATURES

- One-piece trough is made of heavy-duty, ultraviolet-resistant polypropylene and has no problematic joints where leaks and breaks tend to occur in others' systems.
- Fabric-reinforced trough material is proven under the harshest conditions and provides self-contained water storage.
- Two-inch (5-cm) water distribution pipe with large 5/32-inch (4-mm) holes provides better water distribution from end to end and hole to hole.
- Uniform water distribution up to 75 feet (23 m), or 110 feet (33.5 m) with a center-mounted sump.
- High-performance pad comes standard in 12-inch (30.5-cm) widths and various pad heights.
- System includes a heavy-duty submersible pump with a cast-iron housing, upper and lower bearings, and 230-volt operation.
- Well-designed, innovative sump tank includes reinforcing ribs for greater strength and durability, and a drain plug for seasonal service.
- Reliable automatic float valve matches water supply to demand and helps maintain consistent pad wetting.



# TURBO HOUSE® Environmental Systems



Tunnel Ventilation Air Flow Through House

## TURBO HOUSE® System – A Chore-Time Exclusive

Chore-Time's TURBO HOUSE® Environmental System is available for cross ventilation as well as for tunnel ventilation. Planning your house to be able to do both provides a better year-round environment for your birds as well as improved manure drying.

### TUNNEL VENTILATION

Use tunnel ventilation during warmer weather to combine evaporative cooling with wind speed so that cooled air moves down the aisles. The benefits of tunnel ventilating egg production facilities include:

- Distribution of cooled air throughout the house.
- The cooler air and the wind speed at the front of the cages encourage the birds to eat.
- Improved egg production, better livability, and drier manure.

### CROSS VENTILATION

Use cross ventilation during colder weather to provide fresh, clean air to all birds throughout the layer house. This unsurpassed and uniform environment brings about many benefits such as:

- Uniform temperature in all parts of the cage building.
- Less ammonia and odors.
- Improved egg production and better livability.
- Cool air entering the building immediately mixes with the warmest house air.



TURBO® Inlets (above) running the length of cage rows provide a controlled stream of fresh air in two directions as part of the TURBO HOUSE® System.

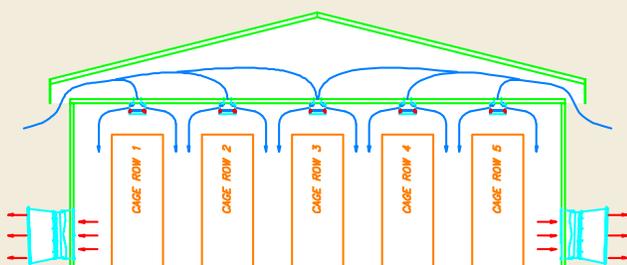
## CHORE-TIME® Tunnel Doors



### FEATURES

- Laminated, composite door of 1.5-inch (38-mm) thick extruded foam insulation, between thick pebbled fiberglass-reinforced plastic panels.
- Wall-mounted, continuous "P"-shaped seal does not affect airflow when door is open, and is more forgiving of house imperfections for a tighter seal when door is closed.
- Modular panel design allows maximum flexibility in door size to match house sidewall openings.

## TURBO HOUSE® Environmental Systems



Cross-Ventilation Air Flow Through House

# FAN SPECIFICATIONS

FANS WITH HYFLO® SHUTTERS								
Drive	Type	Fan P/N	.05 Static Pressure		.10 Static Pressure		Air Flow Ratio	Bess Labs Test Number
			CFM	CFM/Watt	CFM	CFM/Watt		
<b>57-Inch (145-cm) ENDURA® Composite Cone Fans (1 Phase)</b>								
BD	Energy-Efficient	53464-22	28,900	26.1	27,100	23.0	0.78	12614
BD	High-Capacity	53464-21	32,400	23.1	30,400	20.4	0.80	12615
<b>57-Inch (145-cm) ENDURA® Composite Cone Fans (3 Phase)</b>								
BD	Energy-Efficient	53464-42	28,700	26.5	26,900	23.3	0.78	12619
BD	High-Capacity	53464-41	31,900	23.6	30,000	20.9	0.79	12616
<b>52-Inch (132-cm) TURBO® Fiberglass Cone Fans (1 Phase)</b>								
BD	Energy-Efficient	49740-22	27,000	23.5	24,900	20.8	0.73	04334
BD	High-Capacity	49740-21	29,700	20.5	27,700	18.3	0.79	04312
<b>52-Inch (132-cm) TURBO® Fiberglass Cone Fans (3 Phase)</b>								
BD	Energy-Efficient	49740-42	27,100	23.3	24,800	20.5	0.73	04335
BD	High-Capacity	49740-41	29,700	20.3	27,900	18.2	0.79	04318
TURBO® FANS WITH LOUVER SHUTTERS								
Drive	Type	Fan P/N	.05 Static Pressure		.10 Static Pressure		Air Flow Ratio	Bess Labs Test Number
			CFM	CFM/Watt	CFM	CFM/Watt		
<b>48-Inch (122-cm) Fiberglass Cone Fans with Bell-Type Louver Shutter</b>								
BD	48-Inch Energy-Eff.	38264-4825	23,600	21.2	22,100	19.0	0.74	04332
BD	48-Inch High-Cap.	47898-4825	26,400	18.0	24,960	16.3	0.83	02473
<b>36-Inch (91-cm) Fiberglass Cone Fans with Flat-Type Louver Shutter</b>								
DD	36-Inch (91.4-cm)	38265-3622	10,970	18.6	10,200	16.8	0.73	96159
BD	36-Inch (91.4-cm)	38589-3622	11,960	19.0	11,190	17.0	0.79	96199

## Design and Backing

Chore-Time's years of service to the egg production industry demonstrate our dedication to developing leading products to help egg producers around the world. We are committed to designing, testing and proving our equipment in

the field before we offer it to you. In addition to certification by Bess Lab, Chore-Time also has its own wind tunnel for additional in-house testing. You can have confidence in Chore-Time's PEACE OF MIND® ventilation systems.



Chore-Time's Wind Tunnel



Let's grow together™

[www.choretime.com](http://www.choretime.com)

Chore-Time is a division of CTB, Inc.  
A Berkshire Hathaway Company

Find your authorized independent distributor at [choretime.com/distributor](http://choretime.com/distributor)

**Chore-Time**

Milford, Indiana USA  
[info@choretime.com](mailto:info@choretime.com)

**Chore-Time Europe Sp. z o.o.**

Strykowo, Poland  
[info@choretime.pl](mailto:info@choretime.pl)

**Chore-Time Europe B.V.**

Panningen, Netherlands  
[info@choretime.nl](mailto:info@choretime.nl)

**Volito B.V.**

Veenendaal, Netherlands  
[info@volito.com](mailto:info@volito.com)