

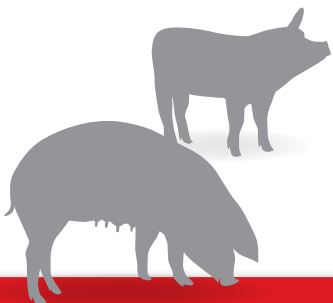
CHORE-TIME®



ENDURA® HIGH-PERFORMANCE CORROSION-RESISTANT 57-INCH FANS

**DESIGNED FOR INDUSTRY-LEADING
OUTSTANDING PERFORMANCE**

- › Energy efficient
- › Minimize obstructions during fan operation
- › Aerodynamic design



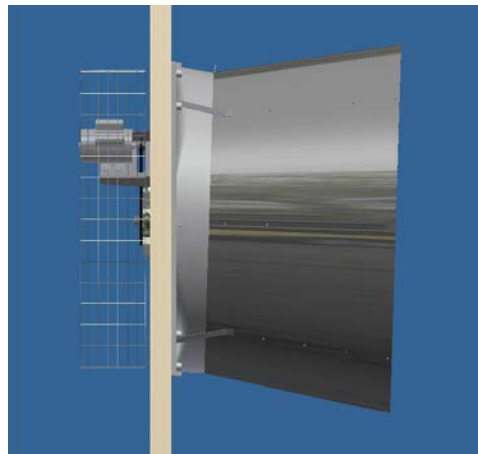
ENDURA® HIGH-PERFORMANCE CORROSION-RESISTANT 57-INCH FANS



Chore-Time ENDURA® Fans with a 57-inch (1448-mm) diameter and popular HYFLO® Shutter offers pig producers an industry-leading combination of outstanding performance and strategic material selection. These product features work together to maximize overall fan efficiency and durability.

Fan Performance

- > Chore-Time's Energy-Efficient, Standard-Mount ENDURA® Fan **could save 14% or more in energy costs** compared to Chore-Time's own great-performing 52-inch (1321-mm) High-Capacity Fan, often while using the same number of fans.
- > Motors are selected for each fan model to optimize its performance efficiency. Extensive motor testing is completed in Chore-Time's on-site wind tunnel under various operating conditions.
- > All ENDURA® Fan components were designed by Chore-Time to maximize overall fan efficiency.



The ENDURA® Fan's slight downward tilt makes it self-draining.



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

Shutter Performance

- > Chore-Time's HYFLO® Shutters do not suffer the typical 12-15% loss of efficiency and air speed typical of dirty louver-style shutters, so air speed is maintained throughout production, when you need it most.
- > HYFLO® Shutters improve fan performance by minimizing obstructions during fan operation. They deliver up to 10% more air than traditional shutters with 75% less opportunity for air to leak through.
- > Cable attachment allows HYFLO® Doors to float left or right together for maximum efficiency.

Fan Selection Comparison

CHORE-TIME® Fans	52-Inch Fiberglass	57-Inch Composite
CFM	Good	Best
CFM/Watt	Good	Best
Life Expectancy	Best	Better
Price	Higher	Lower



ENDURA® HIGH-PERFORMANCE CORROSION-RESISTANT 57-INCH FANS

Exceptional Materials

- > Durable long glass fiber composite shroud and HYFLO® Shutter Doors contain 35% fiberglass for strength and to limit expansion and contraction.
- > Powder-coated fan drive, support structures and flush-mount box. Stainless steel fan blade and shaft recommended for all swine applications.
- > Extensive durability testing under both extreme high and extreme low temperatures completed in-house.

Durability

- > Automatic belt tensioner uses an idler arm and pulley to provide constant belt tension.
- > Rugged air-handler bearings are shielded from dust and moisture. They are also self-aligning, pre-lubricated and include a zerk fitting which delivers grease to critical belt locations.
- > Features an aerodynamic three-wing, heavy-duty fan blade.

Adaptability

- > Can be installed 60 inches (1524 mm) on center over 56.5-inch (1435-mm) framed openings.
- > For retrofit, will fit over openings for many 48- through 54-inch (1219-through 1372-mm) fans.
- > Capable of variable speed operation with the use of a variable frequency drive.



CHORE-TIME® Variable Frequency Drive



Variable Speed Option

Available for Energy-Efficient Fan Models Only

Get Better Temperature Control and Energy Savings with Chore-Time's Variable Speed Fans

Control Setting	Fan Performance at .05" Static Pressure		Fan Performance at 0.10" Static Pressure	
	CFM	CFM/Watt	CFM	CFM/Watt
67% (40 Hz)	16,900 CFM	39.6 CFM/Watt	12,800 CFM	27.4 CFM/Watt
83% (50 Hz)	23,400 CFM	32.1 CFM/Watt	20,900 CFM	26.4 CFM/Watt
100% (60 Hz)	28,500 CFM	25.3 CFM/Watt	26,400 CFM	22.0 CFM/Watt

Example features Chore-Time's 57-Inch ENDURA® Fan with standard mount and HYFLO® Shutter, Part No. 53464-42. Contact Chore-Time for performance data for additional fan models.

Bess Labs Test No. 12620



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Mounting Options



Standard Mount

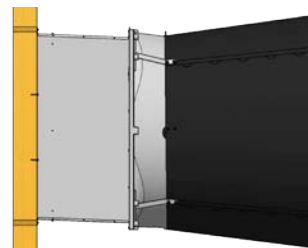
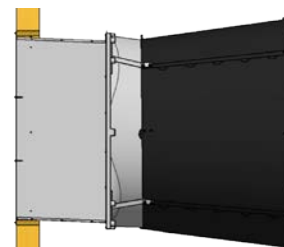
The standard-mount model of Chore-Time's ENDURA® Fan offers the best performance and easiest installation.



Flush Mount

Chore-Time's flush-mount ENDURA® fan eliminates obstructions inside the hog barn.

Two mounting options for the flush-mount model are shown below – through the wall or over the wall.



TOP: Flush mount through the wall.

BOTTOM: Over the wall.

ENDURA® Fan Specifications

Composite Shroud & Shutter Doors / HDPE Cone

Chore-Time recommends considering both capacity (CFM) and performance (CFM/Watt) when selecting a fan. Your best balance of energy savings and air speed may come from mixing high-capacity and energy-efficient fan models.

STANDARD MOUNT	Part No.	Static Pressure .10"		Static Pressure .15"		Air Flow Ratio	Bess Lab Test No.	230 V Power
		CFM	CFM/Watt	CFM	CFM/Watt			
High-Capacity	53464-21S	30,400	20.4	28,400	18.1	0.80	12615	60 Hz 1 Ph
Energy-Efficient	53464-22S	27,100	23.0	25,100	20.1	0.78	12614	
High-Capacity	53464-41S	30,000	20.9	27,800	18.1	0.79	12616	60 Hz 3 Ph
Energy-Efficient	53464-42S	26,900	23.3	24,800	20.4	0.78	12619	
High-Capacity	53464-51S	29,500	20.8	27,200	18.1	0.78	12617	50 Hz 3 Ph
Energy-Efficient	53464-52S	26,500	22.9	24,500	20.1	0.77	12618	

FLUSH MOUNT	Part No.	Static Pressure .10"		Static Pressure .15"		Air Flow Ratio	Bess Lab Test No.	230 V Power
		CFM	CFM/Watt	CFM	CFM/Watt			
High-Capacity	54659-21S	29,600	19.2	27,300	16.8	0.79	13592	60 Hz 1 Ph
Energy-Efficient	54659-22S	26,400	21.7	24,300	18.8	0.77	13591	
High-Capacity	54659-41S	29,200	19.6	26,800	17.1	0.78	13566	60 Hz 3 Ph
Energy-Efficient	54659-42S	26,300	22.2	24,200	19.2	0.77	13569	
High-Capacity	54659-51S	28,800	19.6	26,500	17.1	0.77	13567	50 Hz 3 Ph
Energy-Efficient	54659-52S	26,000	22.0	23,700	18.9	0.76	13568	

