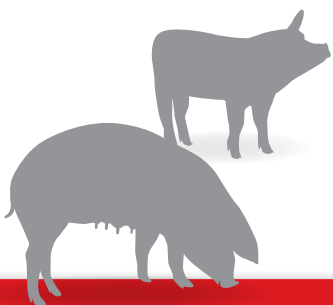




HERO™ FANS

HIGH-EFFICIENCY, REBATE, OUTPUT

- › Saves energy costs and provides a quick return on investment
- › Top performing industry fan
- › Easy to install and service



HERO™ FANS

Energy-efficient variable-speed direct-drive fans with revolutionary air moving control



PigTek's 52-inch (1321-mm) diameter HERO™ Direct-Drive Fan offers hog producers an energy efficient fan with precision variable-speed control and low maintenance. Setting a new standard for performance, this groundbreaking fan incorporates the use of permanent magnet synchronous motor (PMSM) fan technology. This smart motor technology provides farmers with true variable-speed fan control and energy-efficiency at lower speeds while still supplying constant torque to the fan blade. PigTek's HERO Fan delivers greater efficiency using cool-running motors powered by alternating current (AC). This proven motor technology provides reliable and precise speed control at speeds lower than that available using conventional AC and direct current electrical fans.



PigTek HERO™ 52-inch Diameter Fan

HERO (High-Efficiency, Rebate, Output) performance

The combination of high-efficiency, rebate eligibility and output performance in one fan provides hog farmers with the flexibility to customize their ventilation system's performance for any barn layout.

HIGH-EFFICIENCY (HE) for Minimum Ventilation

- > Chore-Time's PigCentral™ Ventilation Control enables producers to automate a combination of variable-speed HERO and/or Fancom I-Fans™ to optimize a barn's ventilation system while also reducing energy costs up to **90%**.

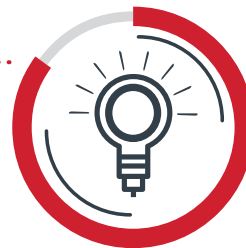
HIGH REBATE (HR)

- > The HERO Fan's high ratings for energy efficiency qualify it for many state, regional and utility company energy efficiency rebate programs.



HIGH OUTPUT (HO)

- > Delivers up to **30%** more air flow than traditional fans.
- > Available with the Chore-Time Intake Louver Shutter or the Chore-Time HYFLO® Shutter Door.
- > Or consider the ultimate performance enhancing combination using both the Chore-Time Intake Louver Shutter and the Chore-Time HYFLO Shutter Door.



REDUCE ENERGY COSTS UP TO

90%

Do you currently have Chore-Time 52-inch TURBO® Fans? Optimize your TURBO Fan's energy savings by using the HERO 52-inch DD Fan drop-in replacement fan kit. See your PigTek dealer for the details.



HERO™ FANS

High-Efficiency, Rebate, Output Hero Performance

PigCentral™ Ventilation System

- > The HERO Fan's intelligent PMSM motor allows it to be integrated into the Chore-Time PigCentral™ Ventilation Control System. The PigCentral Control will help pig producers to drive down energy consumption.
- > This combination of fans and control optimizes the ventilation system's performance for any barn layout, delivering an outstanding reduction in energy consumption.
- > The PigCentral Control provides intelligent technology to help producers monitor and optimize ventilation system performance.
- > Connecting the HERO Fan to the Chore-Time PigCentral Control also allows producers to remotely monitor and collect data on each individual fan's performance.



Chore-Time PigCentral™ Control

PMSM Motor Technology

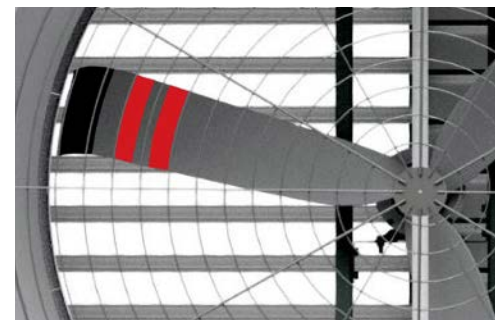
- > Being able to consistently control the speed and torque of the fan provides pork producers with a wider speed range and the ability to slowly ramp up (or down). This helps maintain low or high speeds while **using less energy**.
- > Delivering an excellent level of performance, the HERO Fan's PMSM motor technology exceeds the common IE3 rating and is compliant with the International Electrotechnical Commission's strictest criteria of IE5 – the **highest energy efficiency** level attainable for motors.
- > Provides a consistent controllable speed for increased fan efficiency regardless of outdoor temperature fluctuations and head winds.
- > Runs an average of **30% cooler** than standard direct-drive fans and has little audible noise.
- > Two-year motor warranty.

10-0 Volt and 4-20 mA Options

- > This fan's ability to gradually ramp up to full capacity (or down from full capacity) as the temperature goes up (or down) allows for more gradual changes in air speed, saves energy and provides a more consistent environment for the pigs.
- > The PigTek fan's 4-20 mA option reduces electrical noise, interference and voltage drop.
- > The fan's 10-0 volt option offers more precise variable-speed control as well as impressive CFM/watt ratings during ramp up and ramp down periods.

Corrosion Resistant Fan Design

- > Corrosion-resistant fan housing with stainless-steel motor mounts, hardware, grill and non-corrosive fan blades mean the PigTek HERO Fan is nearly maintenance-free.
- > Cast aluminum blades improve fan performance and reduce vibrations that cause quality issues.



Low Maintenance

- > Easy maintenance of drive motor.
- > Heavy-duty air-handler type bearings are self-aligning, pre-lubricated and include a zerk fitting for low maintenance and long life.
- > The direct-drive fan eliminates the need for troublesome belts, replacing belts and maintaining belt tensioners.



HERO™ FANS

HIGH-EFFICIENCY, REBATE, OUTPUT HERO PERFORMANCE



Want to upgrade your existing traditional barn to optimize energy savings and save on costs? Ask your PigTek dealer about the HERO™ 52-inch DD Fan drop-in Replacement Fan Kit (part number PT5023).

HERO™ FAN with INTAKE and HYFLO® SHUTTERS				.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Bess Lab Test Number
Drive	Type	RPM	Fan P/N	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
52-Inch (1321-mm) HERO Fan with Intake and HYFLO Shutters										
DD	High Efficiency	540	PT5030	25,000	27.1	23,000	23.6	21,000	23.6	20097
	High Rebate	620		28,900	20.8	27,200	18.8	25,300	17.0	
	High Output	660		30,600	18.3	29,100	16.7	27,400	15.2	
1/2 Airflow - 52-Inch (1321-mm) HERO Fan with Intake and HYFLO Shutters										
DD	HE,HR, HO	420	PT5030	18,800	42	15,900	33.4	12,000	25.2	20097

HERO™ FAN with HYFLO® SHUTTER				.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Bess Lab Test Number
Drive	Type	RPM	Fan P/N	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
52-Inch (1321-mm) HERO Fan with HYFLO Shutter										
DD	High Efficiency	540	PT5016	28,400	33.2	26,200	28.0	23,500	23.4	20096
	High Rebate	620		32,500	25.3	30,500	22.2	28,700	19.6	
	High Output	660		34,600	22	33,000	19.7	31,000	17.5	
1/2 Airflow - 52-Inch (1321-mm) HERO Fan with HYFLO Shutter										
DD	HE,HR, HO	420	PT5016	21,500	52.6	18,700	40.1	15,000	31.1	20096

HERO™ FAN with INTAKE SHUTTER				.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Bess Lab Test Number
Drive	Type	RPM	Fan P/N	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
52-Inch (1321-mm) HERO Fan with Intake Shutter										
DD	High Efficiency	540	PT5017	26,000	28.7	24,300	25.6	22,600	22.8	20098
	High Rebate	620		29,700	22.1	28,400	20.3	27,000	18.6	
	High Output	660		31,600	19.2	30,500	18	29,200	16.6	
1/2 Airflow - 52-Inch (1321-mm) HERO Fan with Intake Shutter										
DD	HE,HR, HO	420	PT5017	19,700	44.3	17,200	36.2	12,800	26.7	20098

Need a 52-inch diameter HERO Fan with a grill but no cone? Ask your local authorized PigTek dealer for the details about the HERO Fan with part number PT5037.

