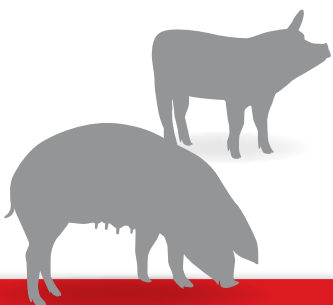




## HERO™ FANS

HIGH-EFFICIENCY, REBATE, OUTPUT

- › Saves energy costs and provides a quick return on investment
- › Top performing industry fan
- › Easy to install and service
- › Models available in 36-, 48- and 52-inch (914-, 1220- and 1321-mm) diameters



# HERO™ FANS

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



PigTek's 36-inch (914-mm), 48-inch (1220-mm) and 52-inch (1321-mm) diameter HERO™ Direct-Drive Fans offers hog producers an energy efficient fan with precision variable-speed control and low maintenance. Setting a new standard for performance, these groundbreaking fans incorporate 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 variable-speed HERO Fans to optimize a barn's ventilation system while also reducing energy costs up to **90%** when fans run at 30% of speed.

#### **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.



**REDUCE ENERGY COSTS UP TO**

**90%**

WHEN FANS RUN AT 30% OF SPEED

**Do you currently have Chore-Time TURBO® Fans? Optimize your TURBO Fan's energy savings by using the HERO 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

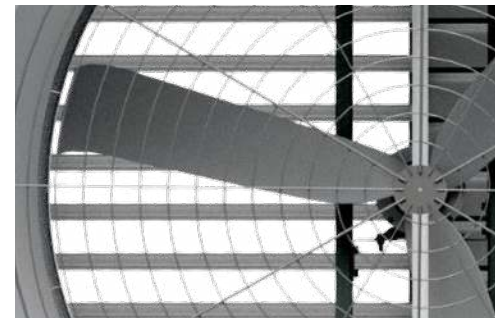
- > Being able to consistently control the speed and torque of the fan provides pork producers with a wider speed range and the ability to slowly ramp up (or down). This helps maintain low or high speeds while **using less energy**.
- > Delivering an excellent level of performance, the HERO Fan's PMSM 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.
- > 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™ DD Fan drop-in replacement fan kit.**

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	
<b>52-Inch (1321-mm) HERO Fan with Intake and HYFLO Shutters</b>										
DD	High Efficiency	540	PT5052-5	25,000	27.1	23,000	23.6	21,000	20.9	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	
<b>1/2 Airflow - 52-Inch (1321-mm) HERO™ Fan with Intake and HYFLO® Shutters</b>										
DD	HE,HR, HO	420	PT5052-5	18,800	42.0	15,900	33.4	12,000	25.2	20097

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	
<b>52-Inch (1321-mm) HERO™ Fan with Intake Shutter</b>										
DD	High Efficiency	540	PT5052-3	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	
<b>1/2 Airflow - 52-Inch (1321-mm) HERO™ Fan with Intake Shutter</b>										
DD	HE,HR, HO	420	PT5052-3	19,700	44.3	17,200	36.2	12,800	26.7	20098

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	
<b>48-Inch (1220-mm) HERO™ Fan with Intake Shutter</b>										
DD	High Efficiency	540	PT5048-1	20,700	28.8	19,300	25.8	17,200	22.4	20099
	High Rebate	620		23,900	22.4	22,500	20.4	21,300	18.9	
	High Output	690		26,800	18.2	25,600	16.9	24,400	15.7	
<b>1/2 Airflow - 48-Inch (1220-mm) HERO™ Fan with Intake Shutter</b>										
DD	HE,HR, HO	420	PT5048-1	15,200	42.2	12,800	34.1	9,100	24.2	20099

HERO™ FAN with INTAKE SHUTTER				.00 Static Pressure*		.05 Static Pressure*		.10 Static Pressure*		Results not from BESS Lab
Drive	Type	RPM	Fan P/N	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
<b>36-Inch (914-mm) HERO™ Fan with Intake Shutter</b>										
DD	High Efficiency	780	PT5136-1	10384	32.8	9475	28.1	8379	23.7	
	High Rebate	720		9383	36.4	8380	30.6	7160	25.0	
	High Output	1000		13537	21.3	12935	19.5	12295	17.9	
<b>1/2 Airflow - 36-Inch (914-mm) HERO™ Fan with Intake Shutter</b>										
DD	HE,HR, HO	540	PT5136-1	6500	52.5	4963	37.2	2873	21.2	

\*Test method in Chore-Time's wind tunnel facility per ACMA Standard 210-16, Figure 15.  
 Due to COVID-19 restrictions the fans have not been tested at BESS Lab.

Need a HERO™ Fan with a grill but no cone? Contact your local authorized PigTek dealer for details.  
 Part numbers for the stainless steel grill: 52-inch PT5032, 48-inch PT5031 or 36-inch PT5065.

