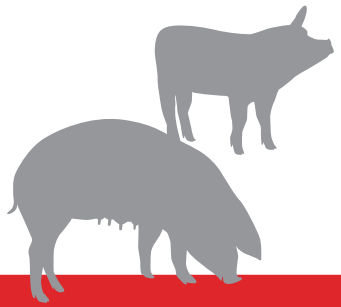
HERO® FANS

HIGH-EFFICIENCY, REBATE, OUTPUT

- Variable-speed direct-drive fans
- Save energy costs to provide quick ROI
- Easy to install and service
- Available in 18-, 24-, 36-, 48- and 52-inch (457-, 610-, 914-, 1220- and 1321-mm) diameters.



HERO® FANS

Setting the standard for performance, PigTek's groundbreaking HERO® Direct-Drive Fans incorporate the use of permanent magnet synchronous motors (PMSM) – a smart motor technology that provides hog producers with true variable-speed fan control and energy efficiency at lower speeds while still supplying constant torque to the fan blade.

REDUCE ENERGY COSTS UP TO **90%** WHEN FANS RUN AT 30% OF SPEED

QUALIFIES FOR ENERGY REBATE

HIGH-EFFICIENCY (HE) for Minimum Ventilation

- PigTek's PigCentral® and CENTRO® Controls enable 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 Chore-Time's Intake Louver Shutter or its HYFLO® Shutter Door.

HERO® FANS

PigCentral® Ventilation System

- The HERO® Fan's intelligent PMSM motor allows it to be integrated into the PigTek PigCentral® or CENTRO® Ventilation Control Systems.
- This combination of fans and control optimizes the ventilation system's performance for any barn layout, delivering an outstanding reduction in energy consumption.
- Connecting HERO Fans to a ventilation control system also allows producers to remotely monitor and collect data on each fan's performance.

PigTek's CENTRO & PigCentral Controls

10-0 Volt and 4-20 mA Options

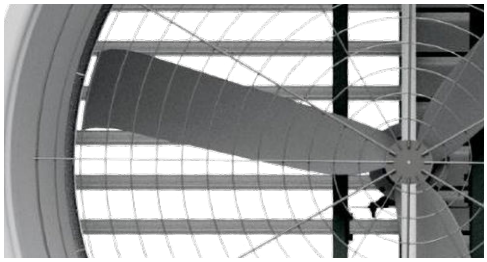
- The 10-0 volt option offers more precise variable-speed control as well as impressive CFM/watt ratings during ramp up and ramp down periods.
- The 4-20 mA option reduces electrical noise, interference and voltage drop.

PMSM Motor Technology

- Being able to consistently control the speed and torque of the fans provides producers with a wider speed range and the ability to slowly ramp up (or down) to help maintain high or low speeds while using less energy. This also provides a more consistent environment for the pigs.
- Exceeds the common IE3 rating and is compliant with the International Electrotechnical Commission's strictest criteria of IE5 – the highest attainable energy efficiency level 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.

Corrosion Resistant Fan Design

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

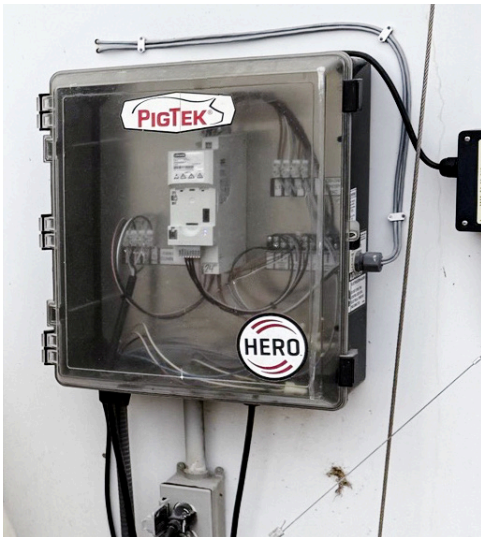


Low Maintenance

- Direct drive eliminates the need to maintain or replace troublesome belts or pulleys.

Remote Variable Frequency Drive (VFD)

- The case-sealed Variable Frequency Drive (VFD) can be mounted up to 50 feet away from the fan. This design simplifies maintenance and keeps the drive better protected from the elements.
- Because the VFD can be installed outside the barn, maintenance can be conducted without biosecurity considerations.



PIGTEK®

HERO® FANS

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	
52-Inch (1321-mm) HERO® Fan with Intake and HYFLO Shutters										
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	
1/2 Airflow - 52-Inch (1321-mm) HERO® Fan with Intake and HYFLO® Shutters										
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	
52-Inch (1321-mm) HERO® Fan with Intake Shutter										
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	
1/2 Airflow - 52-Inch (1321-mm) HERO® Fan with Intake Shutter										
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	
48-Inch (1220-mm) HERO® Fan with Intake Shutter										
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	
1/2 Airflow - 48-Inch (1220-mm) HERO® Fan with Intake Shutter										
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		BESS Lab Test Number
Drive	Type	RPM	Fan P/N	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
36-Inch (914-mm) HERO® Fan with Intake Shutter										
DD	High Efficiency	701	PT5136-1	8940	36.0	8010	30.2	6810	24.6	21273
	High Rebate	801		10630	30.1	9900	26.7	8840	22.7	
	High Output	900		12070	24.5	11450	22.4	10770	20.2	
1/2 Airflow - 36-Inch (914-mm) HERO® Fan with Intake Shutter										
DD	HE, HR, HO	400	PT5136-1	4190	59.8	1720	23.9	–	–	21273

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	
24-Inch (610-mm) HERO® Fan with Intake Shutter										
DD	High Efficiency	930	PT1079-1	4350	33.0	3890	28.6	3340	23.4	21271
	High Rebate	1190		5720	23.0	5440	21.2	5140	19.3	
	High Output	1404		6730	17.3	6510	16.4	6290	15.3	
1/2 Airflow - 24-Inch (610-mm) HERO® Fan with Intake Shutter										
DD	HE, HR, HO	651	PT1079-1	2760	50.2	1760	27.5	630	9.8	21271

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.

Certified by BESS LAB University of Illinois