



Livestock

Industrial

Commercial

Sports

Office



# WE ARE 100% FANTASTIC

**Fantastic is an American company, with Italian-designed products**  
made by a team of specialists in HVLS fans (High Volume Low Speed)  
and ventilation systems.

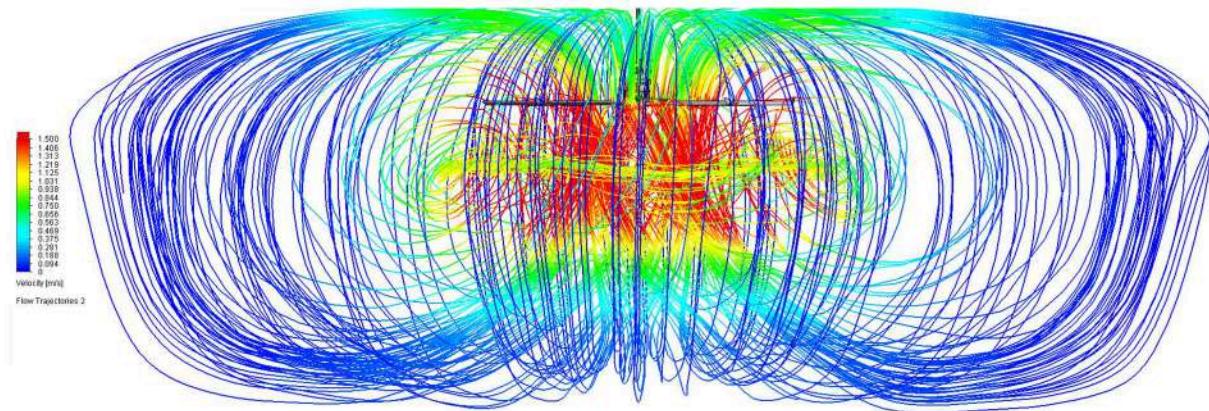
At Fantastic, technical skills merge to design, build and market innovative systems for air treatment in large environments (Industrial/Commercial/Livestock) worldwide. Fantastic applies the most advanced technologies to its HVLS fans such as brushless motor-inverters, IoT for remote assistance and airfoils studied in collaboration with university departments.



# How a Fantastic HVLS works

By slowly rotating at low rpm, our fans create an air flow whose dimensions, depending also on the layout it encounters, can reach about 4 times their diameter, in all directions.

This ventilation system is used in large spaces such as production plants, logistics centers, sports halls, department stores, where air conditioning systems are very expensive, both in terms of initial investment and in subsequent operating costs.



The best option in these cases is one of our Fantastic **HVLS** ventilation systems. Thanks to our fans the perceived temperature is reduced by 36 to 43° F in the summer season. In winter, due to the movement of warmer air from the ceiling downward, the temperature on the ground increases by 40 to 43° F, saving up to 30% on heating energy consumption. This improvement can be observed in the "Thermal Comfort Diagram" (<https://comfort.cbe.berkeley.edu/EN>) created by the executive for health and safety of Berkeley's University. The HVLS fan, working in destratification mode, is ideal for large facilities not equipped with an HVAC system that reach high temperatures in summer and cold temperature in winter with a high percentage of relative humidity (especially in summer).

Additional benefits are listed below:

- Reduce the proliferation of viruses, bacteria and molds
- Prevent the creation of condensation on the ground avoiding the deterioration of materials and/or machinery
- Reduce downtime (in the case of CCN machines and/or hydraulic/mechanical/electronic circuits)
- Increase operator productivity through greater comfort in the workplace
- Extremely low consumption (motor + VFD on board)
- Can also be installed on existing heating/cooling systems
- Can be installed progressively, avoiding major economic investment.

## Costs

Reduction of heating costs (by up to 30%) and reduction of perceived temperature in summer (by up to 43° F).



## Hygiene

They decrease the proliferation of viruses, bacteria and molds. They prevent the creation of condensation on the ground avoiding deterioration of Materials and/or machinery.



## Installation

They can also be installed on existing heating/cooling systems. They can be installed progressively, avoiding major initial investments.



## HVLS

High Volume Low Speed



## Productivity

Reduce downtime (in the case of CNC machines and / or hydraulic / mechanical/electronic circuits). They increase the productivity of operators thanks to greater comfort in the work environment.

## Consumptions

They have an extremely low consumption (the maximum in winter is about 150 Watt, equal to a LED bulb, in summer it is about 600 Watt).





# MISTRAL Series

Brushless motor with integrated VFD

Blade design: NacaAirfoil profile

Applications: Industrial, Commercial and Livestock

Machine dimensions: diameter from 8 to 24 feet and customizable

The **MISTRAL series** satisfies the market needs in terms of technology. Activated by brushless motor with integrated VFD, it offers high energy efficiency with low consumption.

Thanks to the integrated electronics, they can work perfectly in line with each other through the management of the **Fantastic** system, communicating via Modbus and allowing complete control of the individual fans. Motor and electronic components are made of aluminum alloy, guaranteeing an IP65 degree of protection, making them suitable for every work environment. The diameters available for this series are 8, 10, 12, 16 and 24 feet (with possibility of customization). The blade profile is of the Naca type. The MISTRAL series is fully UL certified.



CE

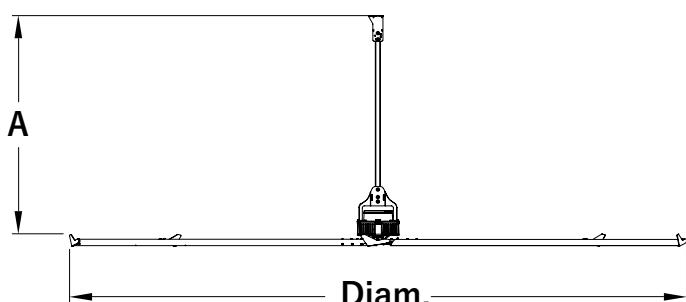
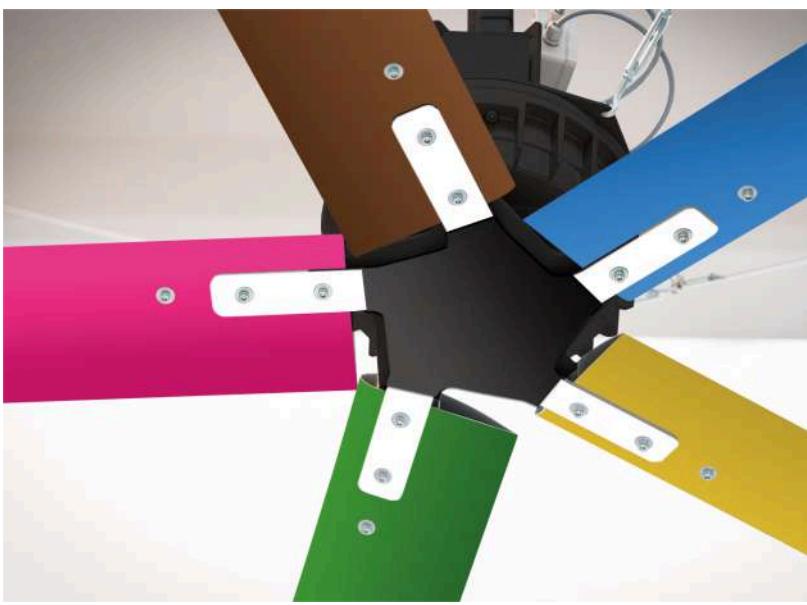


Model	Diameter [ft]	Min. Dist Ceiling (A)	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]	Airflow [cfm]
MISTRAL 2500	8	2.5 ft	182	210	1.22 - 1.63	2.68	< 60	123.333
MISTRAL 3000	10	3.25 ft	190	160	0.84 - 1.13	1.3	< 60	181.667
MISTRAL 4000	12	3.25 ft	207	100	0.65 - 0.88	1.5	< 55	218.333
MISTRAL 5000	16	5.00 ft	249	80	0.85 - 1.13	1.33	< 45	311.666
MISTRAL 6000	20	5.00 ft	267	65	1.10 - 1.47	1.72	< 45	353.333
MISTRAL 6000 HP	20	5.00 ft	291	75	1.20 - 1.60	2	< 45	393.000
MISTRAL 7000	24	5.00 ft	284	38	0.53 - 0.69	1.35	< 45	381.666
MISTRAL 7000 HP	24	5.00 ft	309	50	0.67 - 0.88	1.65	< 45	500.000

Power Supply for all models 200-480V Three-phase 50/60 Hz



Graph Speed [RPM] vs Absorbed power [HP]





# PAMPERO Series

IP65 Brushless motor with integrated VFD

Blade design: Naca profile

Applications: Industrial, Commercial and Livestock

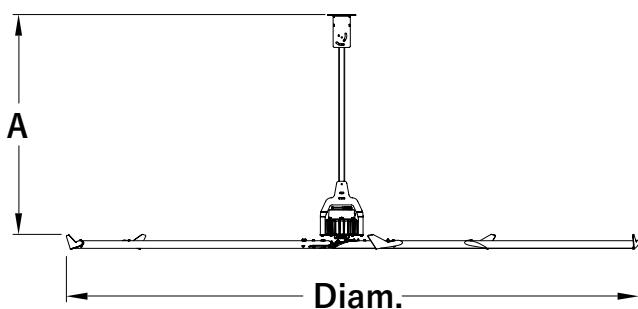
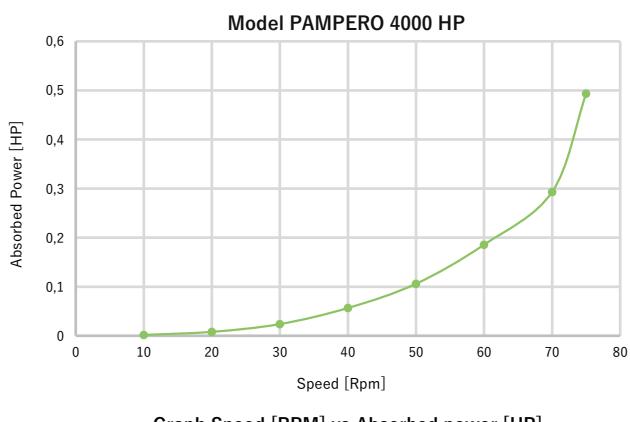
Machine dimensions: diameter from 8 to 12 feet

The **PAMPERO series** is the latest creation from **Fantastic** that allows to combine quality, performance and cost. It meets the most needs in terms of technology.

Activated by a brushless motor with integrated VFD, it offers high efficiency energy guaranteed low consumption, and total silence when in use. Thanks to the integrated electronics it can work in combination with other Fantastic system devices and via Modbus communication, each parameter of the single machine can be individually adjusted. Both the engine and the electronic components are made of aluminum with an IP65 degree of protection which makes the destratifier suitable for all work environments. The diameters available for this series are 8, 10, 12 feet (with the possibility customization). The blade profile is of the Naca type.

Model	Diameter [ft]	Min. Dist Ceiling (A)	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]	Airflow [cfm]
PAMPERO 2500	8	2.5 ft	144	150	0.54 - 0.72	2.5	< 55	111.666
PAMPERO 3000	10	3.25 ft	154	140	0.27 - 0.36	1.97	< 55	165.000
PAMPERO 4000	12	3.25 ft	169	75	0.37 - 0.49	1.01	< 55	193.333
PAMPERO 4000 HP	12	3.25 ft	181	95	0.43 - 0.57	0.93	< 55	206.666

Power Supply for all models 200-480V Three-phase 50/60 Hz





# CHINOOK Series

Brushless motor with wall mounted VFD

Blade design: NACA profile

Applications: Industry and Commercial in general

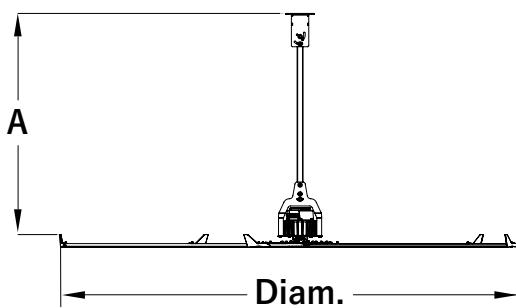
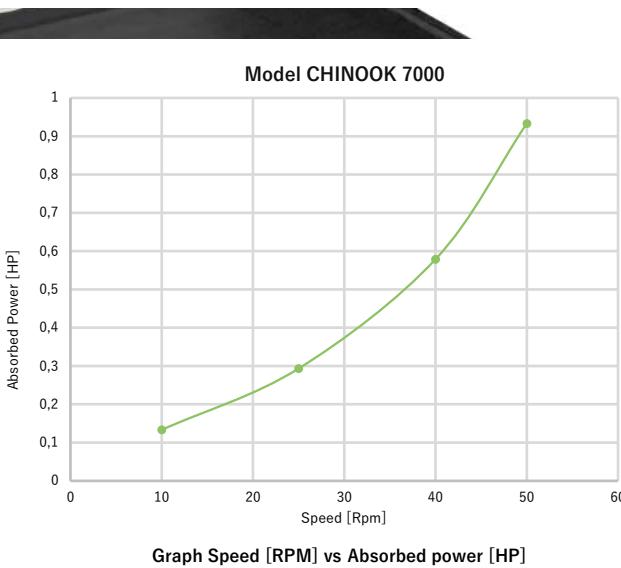
Machine dimensions: diameter from 10 to 24 feet

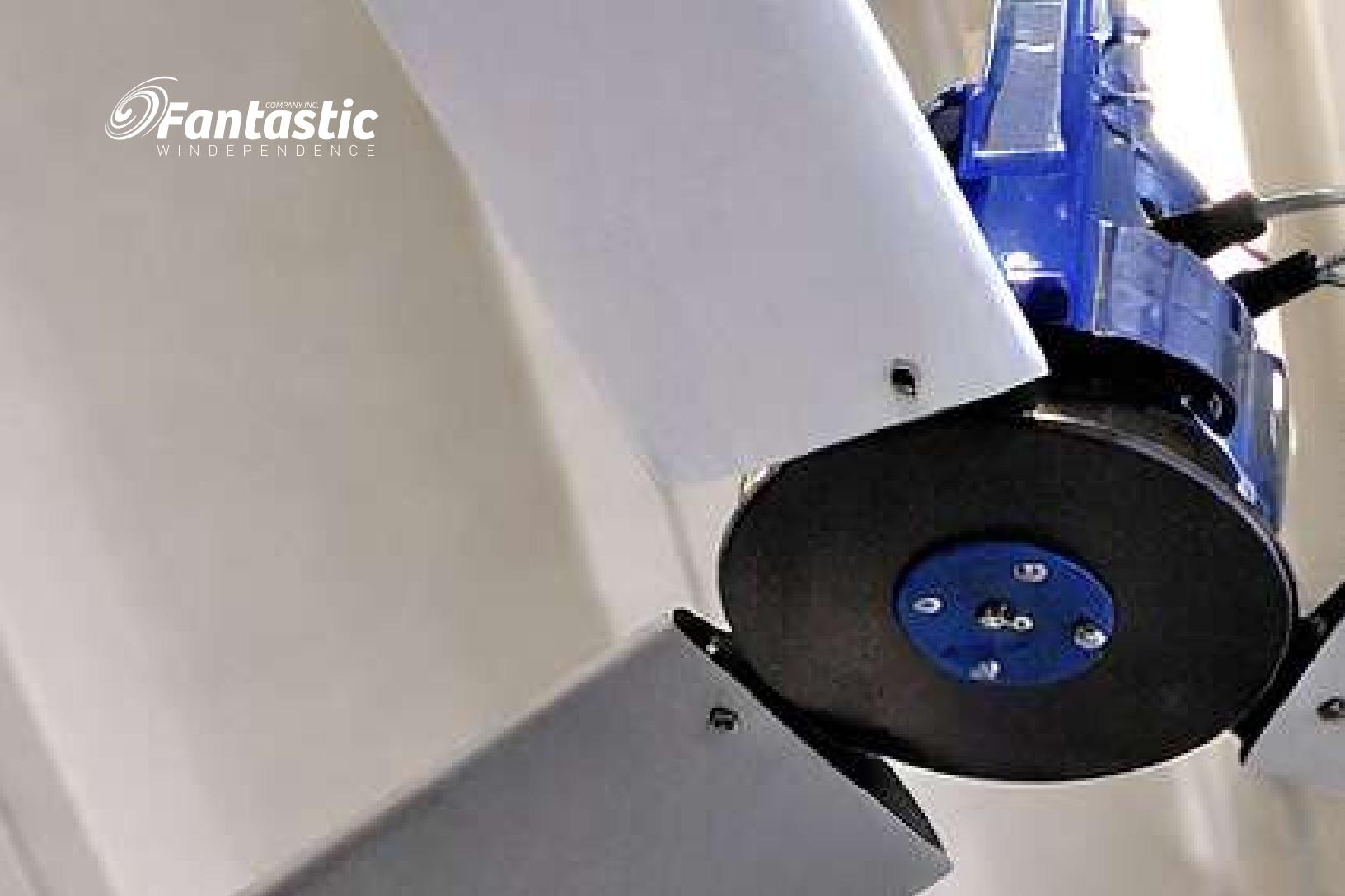
The **CHINOOK Series** is the new family of HVLS fans by **Fantastic** that combines minimal design and technology based on a brushless motor and a NACA blade profile, designed to optimize fan performance and reduce consumption. A general purpose (wall-mounted) inverter (VFD), with on-board potentiometer, ensures an easy manage of the fans.



Model	Diameter [ft]	Min. Dist Ceiling (A)	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]	Airflow [cfm]
CHINOOK 3000	10	3.25 ft	139	120	0.40 - 0.54	0.95	< 45	164.800
CHINOOK 4000	12	3.25 ft	154	100	0.60 - 0.80	1.3	< 45	220.000
CHINOOK 5000	16	5.00 ft	209	80	0.80 - 1.07	2	< 45	312.000
CHINOOK 6000	20	5.00 ft	227	75	0.83 - 1.12	1.9	< 45	395.000
CHINOOK 7000	24	5.00 ft	244.7	50	0.70 - 0.94	1.7	< 45	500.000

Power Supply for all models 200-480V Three-phase 50/60 Hz





# DIABLO Series

IP65 Brushless motor -inverter with remote control

Blade design: NACA profile

Applications: Industry and Commercial in general

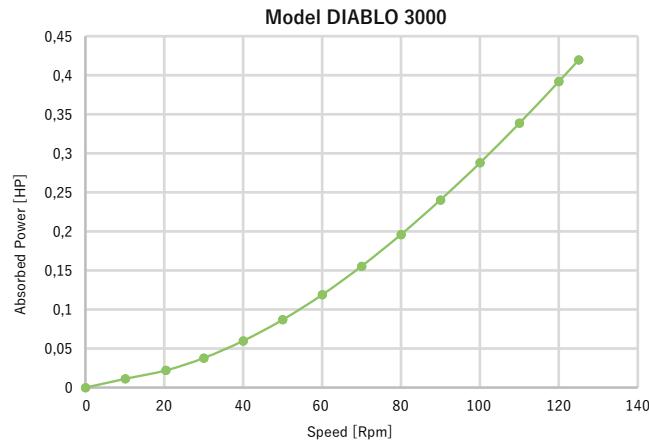
Machine dimensions: diameter 10 feet

The **DIABLO Series** is the **Fantastic** HVLS fan dedicated to the retail sector. It's produced in a single diameter and only with single-phase power supply to facilitate installation in environments such as Fitness Centers, Shopping Malls and the Ho.Re.Ca. sector, it guarantees minimum consumption thanks to the brushless motor with on-board inverter, guaranteeing an excellent quality/performance/price ratio.

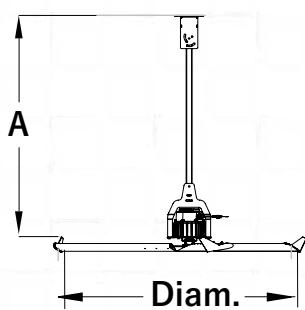


Model	Diameter [ft]	Min. Dist Ceiling (A)	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]	Airflow [cfm]
DIABLO 3000	10	3 ft	126	125	0.31 - 0.42	2.5	< 45	80.000

Power Supply for all models 200-480V Three-phase 50/60 Hz



Graph Speed [RPM] vs Absorbed power [HP]





# SIROCCO Series

**IP65 Brushless motor with integrated VFD**

**Blade design: Selig profile**

**Applications: Industry and Commercial**

**Machine dimensions: diameter 6 feet**

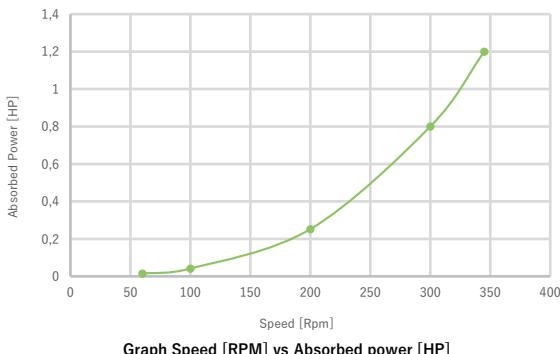
**SIROCCO** is the portable and handy fan that allows several applications in commercial and industrial environments.

Designed to be handled by a single person with low consumption and low noise thanks to the motor + VFD. Moreover it's very easy to install (plug & play). The four pneumatic wheels guarantee maneuverability on any terrain and a flexible use, making it an effective machine for cooling any indoor and outdoor environment.

Model	Diameter [ft]	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]
SIROCCO 1600	5.2	190	600	0.5 - 0.67	2.13	< 76
SIROCCO 2000 HP	6	552.5	345	0.9 - 1.2	4.2	< 76

Power Supply for all models 200-480V Three-phase 50/60 Hz

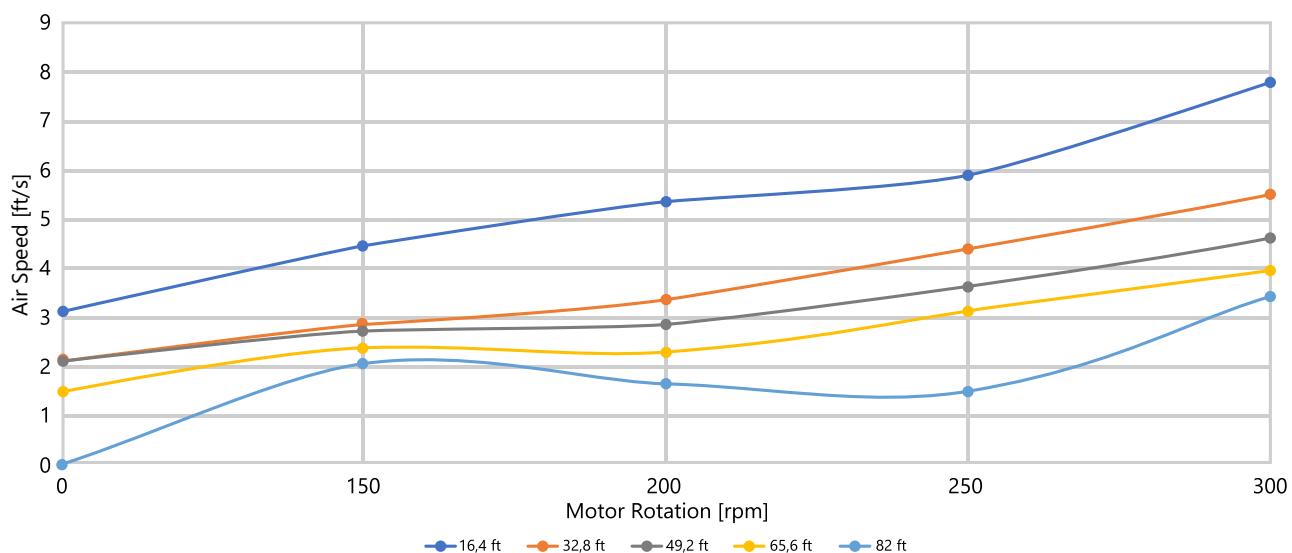
Model SIROCCO 2000 HP



Carbon



Color



Graph Air Speed [ft/s] vs Motor Rotation [rpm]



# TWISTER Series

**Brushless motor with integrated VFD**

**Applications: Industry and Commercial in general**

**Machine dimensions: diameter 4,6 feet**

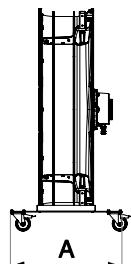
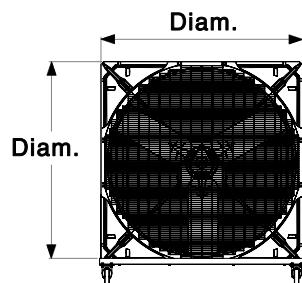
**TWISTER**, 4,6 ft portable fan, is designed to ventilate Industrial and commercial environments; places where hot and humidity represent a big problem for the end user.

The possibility to easily move the fan, makes it a flexible product. It has a brushless motor with built-in VFD, and polypropylene blades and conveyor. Its very low energy consumptions, together with its very high performances are the proof of its very high quality.

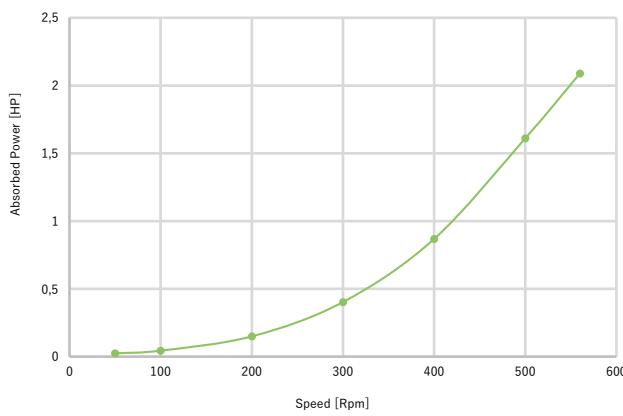


Model	Diameter [ft]	Depth [ft]	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]	Airflow [cfm]
TWISTER	4.6	2.4	136	560	1.58 - 2.15	6.88	< 85	25.600

Power Supply for all models 200-480V Three-phase 50/60 Hz



Model TWISTER



Graph Speed [RPM] vs Absorbed power [HP]



# FLOWER FAN Series

Brushless motor with integrated VFD

Blade design: Selig profile

Applications: Industry and Commercial in general

Machine dimensions: diameter from 10 to 12 feet

The **FLOWER FAN** is one of the latest products from **Fantastic**.

The brand new, eye-catching design and materials used make it an extremely versatile fan, perfect for making outdoor and indoor environments more comfortable and liveable. In addition, as it does not require any special plant engineering, it is ideal for bars, beach venues, swimming pools... all those places where heat and humidity greatly decrease comfort.

Its low consumption and high performance make this product an excellence in the sector as well as an absolute innovation. Driven by a brushless motor with built-in VFD, aluminium blades and manual potentiometer, it is available in three versions: with a concrete base and steel table, with a planter base, and in a version with only a pole to be fixed to the ground.



Model	Diameter [ft]	Weight Installed [lbs]	Max. Speed [rpm]	Consumption Max. [kW] - [HP]	Current Max. [A]	Noise Level [dBA]
FLOWER FAN 3000 (on the ground)	10	316.6	110	0.28 - 0.37	1.2	< 45
FLOWER FAN 3000 (with planter)	10	1005	110	0.28 - 0.37	1.2	< 45
FLOWER FAN 3000 (concrete base)	10	2859	110	0.28 - 0.37	1.2	< 45
FLOWER FAN 4000 (on the ground)	12	332.8	70	0.23 - 0.30	1.0	< 45
FLOWER FAN 4000 (with planter)	12	1021.5	70	0.23 - 0.30	1.0	< 45
FLOWER FAN 4000 (concrete base)	12	2875.6	70	0.23 - 0.30	1.0	< 45

Power Supply for all models 200-480V Three-phase 50/60 Hz







# Water Transfer Printing

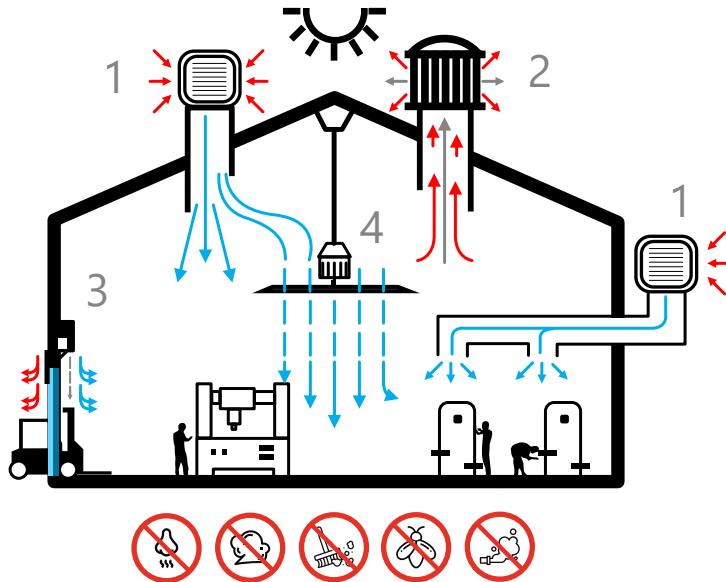
Water transfer printing, also known as immersion printing, water transfer imaging, hydro dipping, watermarbling, cubic printing, Hydrographics or HydroGraphics, is a method of applying printed designs to three-dimensional surfaces. The resulting combinations may be considered decorative art or applied art. The hydrographic process can be used on metal, plastic, glass, hard woods, and various other materials, also customizable with any company logo.

## Some examples of Customization



Our Fantastic ventilation system can be installed in both simple and complex environments as well as complex applications depending on specific customer needs, space available and budget.

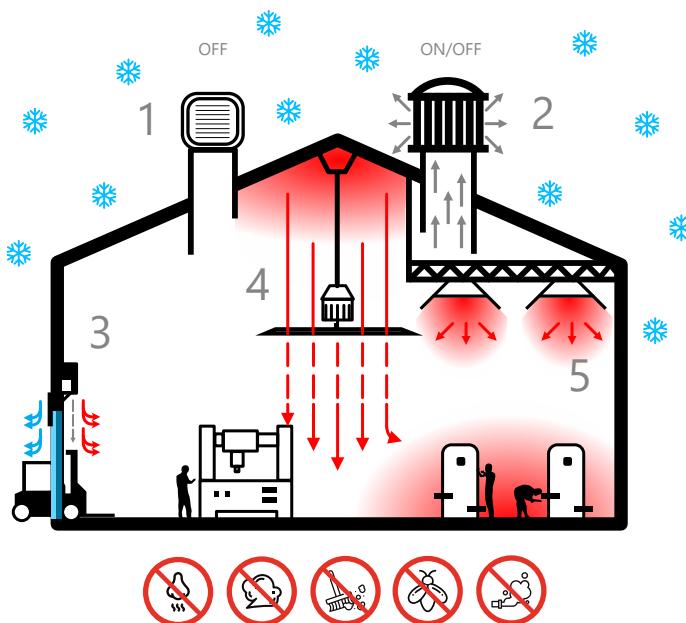
## HOW DOES IT WORK IN SUMMER?



## HOW DOES IT WORK IN WINTER?

1. **Adiabatic evaporators** are either completely out of operation or they simply supply outside air without cooling.
2. **Ventilation turbines** may be limited in order to prevent heat loss during winter.
3. **Air barriers** prevent heated air from flowing out the building. The system provides environmental separation, reduces door cycles and increases the lifespan of cooling and heating systems.
4. **HVLS destratifiers** draw in warm air from below the roof and push it at very low rotations towards the floor. This equalizes air temperatures by disruption of various air layers by the so-called destratification up to a difference of 36° F between the floor and the roof.
5. **Infrared heaters** heat the air indirectly by increasing the radiant temperature. Rays of radiation strike the employees' skin, floor, machines, materials and other objects. Surfaces absorb heat energy that dissipate it into the environment while they heat up resulting in comfortable temperature.

1. **Adiabatic evaporators** bring in fresh air from outside through the roof/skylights. At the same time, they clean, humidify and cool the air by at least 45° F.
2. **Heat extraction turbines** balance outdoor and indoor temperatures and remove stale and polluted air through the roof. Permanent air rinsing reduces thermal load by up to 45° F and removes humidity.
3. **Air barriers** keep cooled air inside the building by re-circulating facility air in a smooth uniform flow, creating a seal on the doorway. The system provides environmental separation, reduces door cycles and increases life expectancy of cooling and heating systems.
4. **HVLS Destratifiers** take in conditioned air and ensure its uniform high-volume draught-free distribution with an airflow of up to 30 million cft/h. Air circulation decreases the temperature by up to 43° F.



# Controllers

With **Fantastic** system control accessories, you can conveniently and precisely manage the ventilation and comfort of your rooms. All the fans can be managed remotely via any Internet-connected device. **Fantastic** always choose the best controller for any environment.

Main futures:

- Minimum rated IP 65
- Modbus protocol
- 0 - 10V control
- Intuitive interface
- On/Off and variable speed control
- Manageble by temperature probe
- Winter mode
- These control units can control up to 20 fans



Nova



Commander 20 Evo



Drive

# Cloud Gateway

**GW1000** is **Fantastic**'s new fan control system based on cloud gateway (encrypted) data transmission over ModBus communication protocol. Fan control and parameter maintenance is managed remotely via any device connected to the Internet (Wireless).





## SERVICE

The mission of **Fantastic Company** is to be a supplier of advanced and ecological technical services and solutions based on our knowledge in the ventilation sector, with a consultative approach even before a commercial one. **Fantastic Company** is always careful to optimize its customers' investment costs with due respect for the environment and low-impact technologies, such as those we proudly produce.

## DESIGN

The approach always starts from studies and in-depth analysis carried out by our engineers, aimed at proposing to the customer the best solution at the lowest cost.

## PRODUCTION

The flexibility of **Fantastic Company** allows us to create customized products and guarantee OEM productions all over the world. Ensuring maximum safety and reliability over time is the goal of **Fantastic Company**.

## ASSEMBLY

We offer customers an installation and testing service through teams of specialized technicians and electricians, without interfering in the normal activities of our customers operations.

## AFTER SALES

The **Fantastic Company** team supports customers even after the ventilation system has been built and put into operation. Warranty extension packages provide remote technical assistance for the entire lifespan of the system, proving the reliability of the product and the service offered by **Fantastic Company**.



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Discover More

