



VENTILATION SYSTEMS

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HEX TORNADO 1300



HEX Ventilation & Air Renewal Systems
Engineered for Quality Design and High Performance



over 50 Years of Experience in Fan and Ventilation System Manufacturing

High-performance ventilation fans for diverse applications, compliant with Gulf standards, backed by a five-year instant replacement warranty.

We offer a wide range of essential components and additional accessories for designing and installing ductwork in building ventilation systems.



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HEX ROOF FAN



HEX TORNADO 1300



HEX RAPTOR 1300



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The HEX TORNADO 1300 roof fans are designed to provide efficient and reliable operation for residential and commercial ventilation purposes.

- Our products are specifically designed to meet the ventilation needs of kitchens and restaurants.
- All our fans undergo rigorous quality testing to ensure smooth, problem-free operation from the start.
- Our rooftop fans feature industry-leading innovative designs, delivering superior performance and
- maximizing the efficiency of your ventilation system.
- We incorporate the latest available technologies to provide you with advanced and reliable ventilation solutions.

❖ **Operation is tested prior to packaging.**

❖ **A typical application includes the following:**



Industrial Exhaust



Smoke Fan



Storage Warehouses



Restaurant Oil

Capabilities & Services:

- **Fan design and manufacturing**
- **Fully performance-tested products**
- **Serving local and international markets through manufactured products, OEM supply, and after-sales services**





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The HEX TORNADO 1300 roof fans are designed to provide efficient and reliable operation for residential and commercial ventilation purposes.

- **HEX TORNADO 1300**
- Constructed from aluminum alloys, laser-cut for high-precision manufacturing
- Base made from aluminum alloys
- Motor cavity cover made of aluminum, hand-operable for easy daily maintenance and cleaning
- Internal fan manufactured from aluminum alloys
- Motor shaft balance testing fully compliant with G4.0 ISO1940 standards



Key Features of HEX TORNADO 1300

- Can be used as a smoke exhaust fan
- Operates reliably in high-temperature environments
- Fully molded structure with aluminum alloy housing
- Equipped with the most advanced circulation motors in its class
- Direct-drive operation
- Certified IEC60335 compliance
- Quality management system compliant with ISO9001:2018
- Maximum continuous operating temperature: 160°C
- Peak operating temperature: up to 300°C

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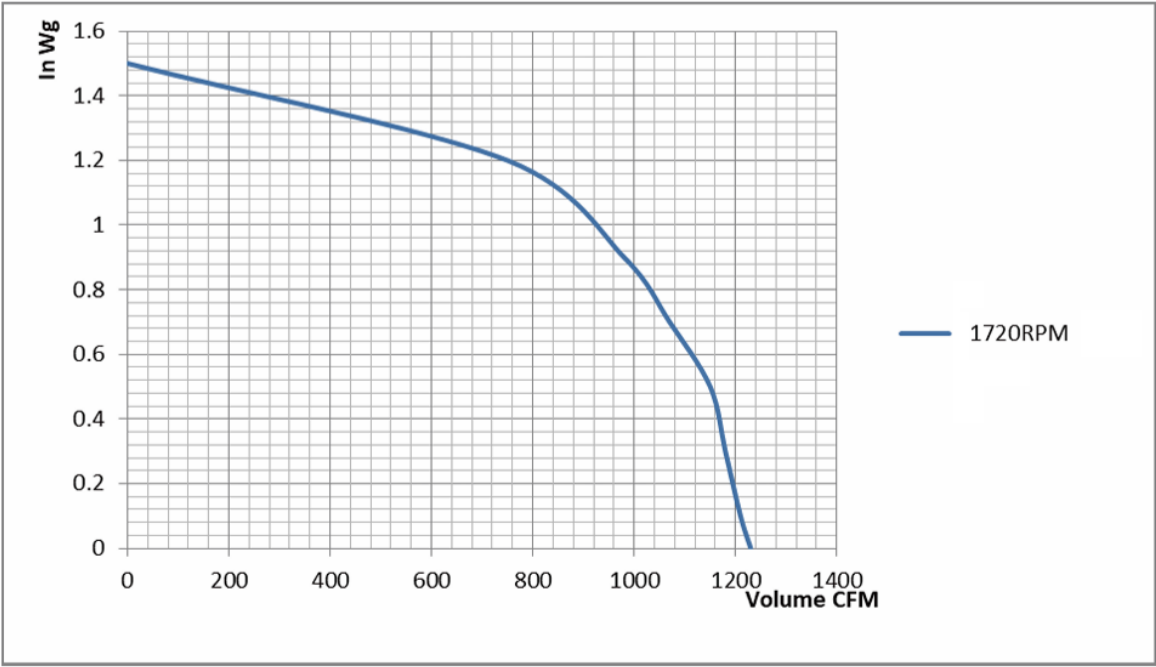


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| | |
|---------------------|------------------------------------|
| Model | HEX TORNADO1300 |
| Extraction Capacity | 1240CFM |
| Motor Capacity | 0.75 HP |
| Rated Power | 550 W |
| Operating Current | 220-240V 50/60Hz |
| Fan RPM | 1450 RPM |
| Fan Diameter | 11INCH |
| Pressure | 313 PA |
| Base Dimension | 51×51 CM |
| Duct Dimensions | 17×17CM OR Flexible Hose 6 Inch |



Application Description

1. The fan is primarily used for extracting air contaminated with fumes and oils.
2. If installed in an isolation or sanitation area, continuous operation is required.
3. The fan can be installed in outdoor or humid environments.
4. All fans are powered by motors meeting international standards, single-phase 220–240 V, 50/60 Hz.

Operation:

Before Operation, Please Ensure:

1. The actual maximum current does not exceed the national standard indicator by more than +5%.
2. Voltage fluctuations are within +6% to +10%.
3. No abnormal noise is produced during operation.
4. The motor rotation direction matches the indicated direction.

Troubleshooting:

Troubleshooting:

1. Ensure the fan rotates freely.
2. Verify that power is reaching the motor.
3. Check the protective circuit breaker integrated in the main junction box.
4. Inspect the current capacitor; replace it immediately if the fan fails to operate.
5. Contact the distributor if the fan still does not operate.

Installation:

1. Installation must follow the airflow direction marking.
2. Ensure proper installation and that the outlet is free from any debris that may obstruct airflow.
3. Installation should allow for easy maintenance access.
4. Electrical installation must be performed by a qualified technician, with proper grounding.
5. Power supply should be connected through a protective circuit breaker.
6. Ensure the ventilation duct is of the appropriate size: 17×17 cm or 6-inch flexible duct.

Maintenance:

Before repairing or performing maintenance on the fan, please ensure:

1. The fan is completely stopped and not operating under load (e.g., jammed due to accumulated oils).
2. The fan should be cleaned at least once a year to maintain its functionality and prevent damage.
3. The rotating shaft requires no maintenance except in case of unexpected faults.
4. When cleaning the fan, do not use high-pressure pumps or strong solvents.
5. Ensure the fan operates without any abnormal noise after maintenance.

Warranty:

The warranty is valid only if the guidelines in this manual are followed.



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علامة تجارية مسجلة - جميع الحقوق محفوظة HEX ٢٠٢٥



Certification:

