Delivery Premium Quality Fans Globally for Healthier Breathing

World's Largest Selection of Fan Products
World's Most Comprehensive Fan Solutions



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

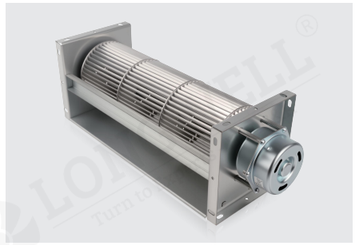
Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400
Tell: +86 574 6218 9863
Fax: +86 574 6218 9863
Phone: 0086 183 5827 4663
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
Email: sales@zjlongwell.com

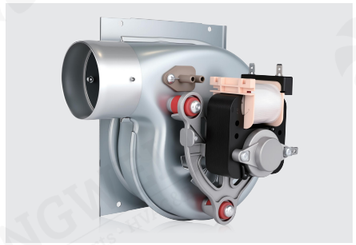
CE RoHS compliant ETL Intertek BSCI ISO EAC UL LVD

LONGWELL®
Turn to Experts - HVAC&R

LONGWELL TECHNOLOGY

"Born for High-Quality Breathing
LONGWELL Fans Power Your Equipments"







Commercial & Residential Heating Fans & Accessories

—— One-Stop Shop/Solution

Longwell Group
Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe

LONGWELL®
Turn to Experts - HVAC&R

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Heater Fan

- Precise Wind
- Reliable Heat
- Custom Heater Fan Kits for Global HVAC Systems

- We provide not just a component, but a reliable cross flow fan solution critical to your product's performance

- We serve as your single-source supplier, offering OEM components, full kits, and technical support, which streamlines your procurement process and ensures perfect compatibility



Core Application of Heater Fan





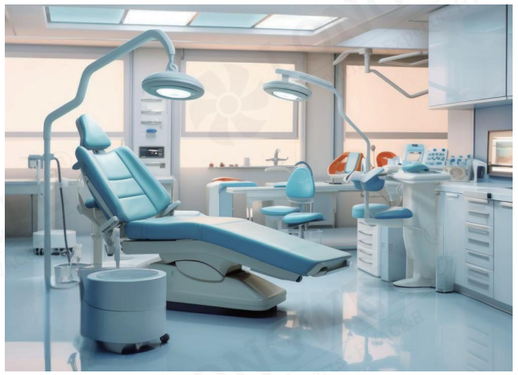
Household Heating Equipment: Wall-mounted gas heater, Electric Heaters

Agricultural and Livestock Heating: Climate control in poultry farms, Climate control in Greenhouse, Process & Drying Equipment

Mining Heating Equipment: Portable Jobsite Heaters for Shelters

Commercial Unit Heaters: For shops, offices, hotels, and gyms, etc.





HVACR & Ventilation System: Heat Recovery Ventilation (HRV) System, Air Handling Unit (AHU), Duct Heater

Medical & Laboratory Devices: Internal circulation fans in equipment requiring precise temperature control, such as blood analyzers and incubators

Replacement & Aftermarket: Provide direct replacement wind turbine components for existing aging or damaged heating equipment

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AC Cross Flow Fan

It operates by generating a wide, smooth curtain of airflow, which ensures even heat distribution and eliminates uncomfortable hot spots

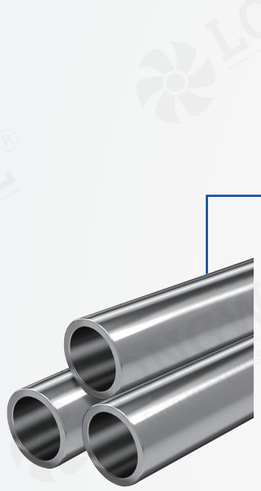
- Uniform Linear Airflow
- Super Quite, Low to 31dB
- Unwavering Reliability
- Class F: High-Level Insulation
- Easy Installation
- Heat Resistant up to 180°C(356°F)

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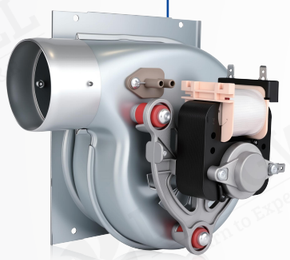
Heater Fan Components and Structure

One-Stop Shop/Solution: **Custom Heater Fan Kits for Global HVAC Systems**

Key Futures: **Special customized after thousands of tests and optimized for exceptional silence and reliable lifespan**



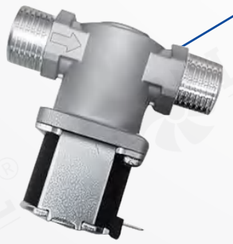
Steel Pipe



AC Gas Blower

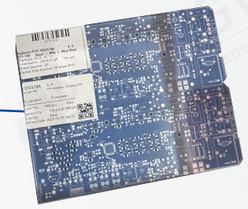


Pressure Switch



Gas Valve





PCB



Thermostat



AC Cross Flow Fan



Thermal Cutoff

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Technology Applied in Heater Fan

The Silent Powerhouse: **LWCA Series AC Cross Flow Fan for Uniform Heating**

This high-efficiency AC cross flow fan (tangential fan) is engineered to be the core of quiet and comfortable warmth in your heater designs. The unique tangential design allows for excellent coverage of heat exchangers, maximizing thermal transfer efficiency



Ball Bearing

- Maintenance-free ball bearings for long service life
- Precise alignment of assembled impellers over the entire blower length

Aluminum Alloy Housing

- Optimal space utilization
- Ideal for floor convectors and air curtains

High-Efficiency Motor

- Super Silent Design
- Higher Heat Resistance Up to 180°C (356°F)
- For Strict High-Temperature Environments with Longer Lifespan

Aluminum Alloy Blades

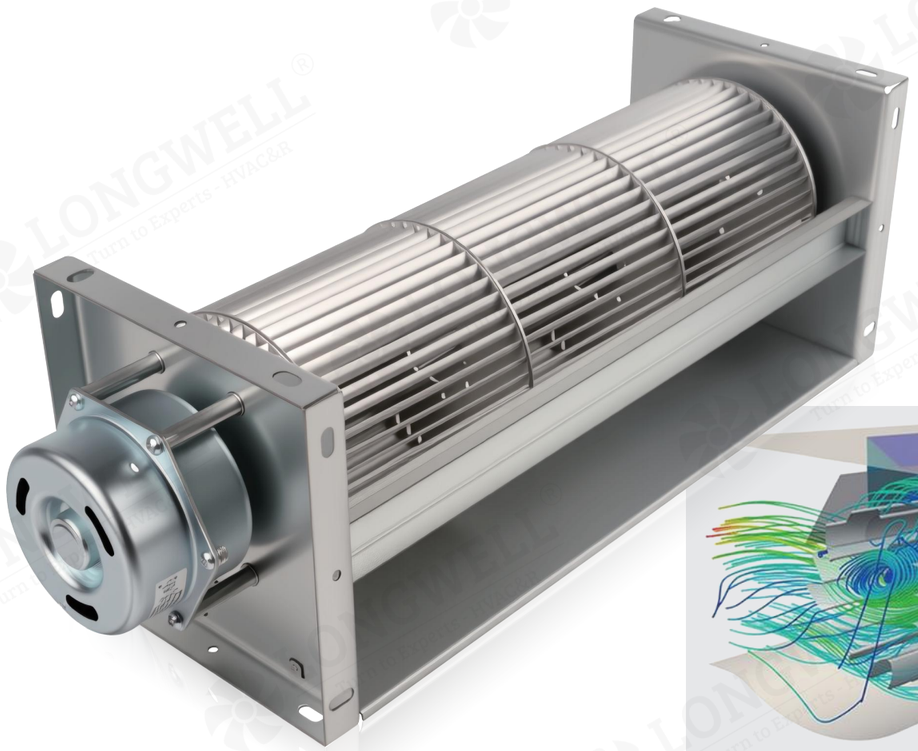
- Steady and consistent air flow due to reduced clearance between impellers
- Wide intake and output profile allow for high air volume at low velocity
- Total length of blower can be optimally adjusted through combination of different impeller lengths
- Customized lenth and diameter

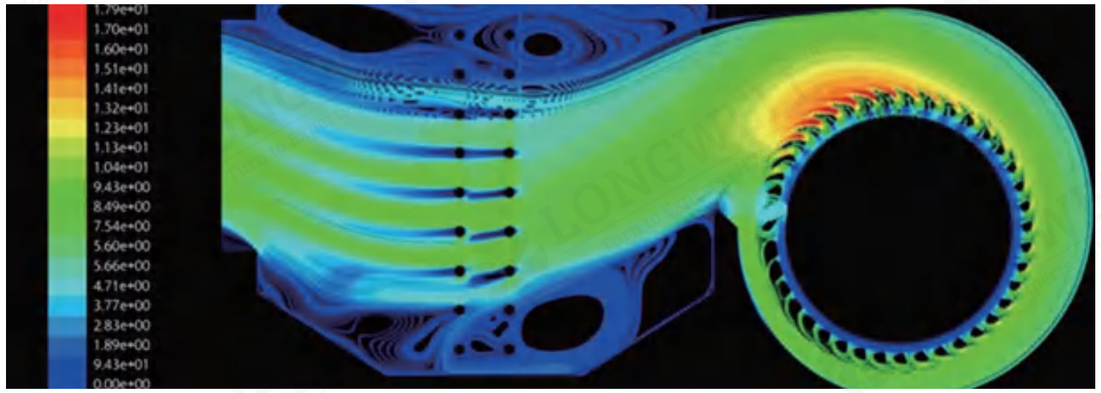
Perfect for applications ranging from residential fan heaters to commercial unit heaters, its inherently low-noise performance enhances user comfort. Available in versatile models like the 3-speed LWCA-120350SN-01, it offers design flexibility for precise climate control. We provide not just a component, but a reliable cross flow fan solution critical to your product's performance

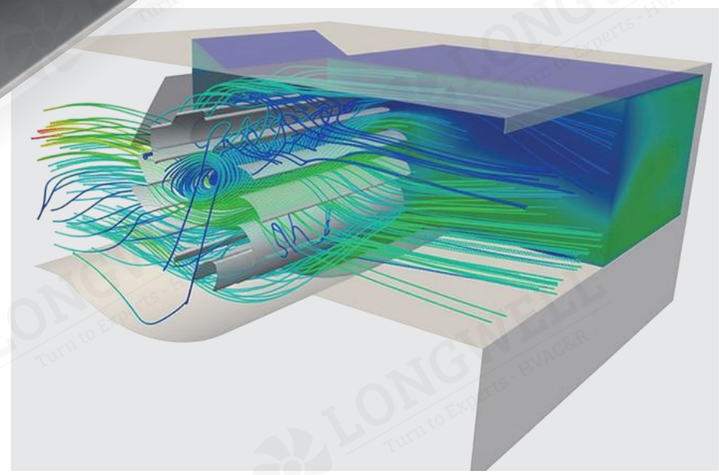
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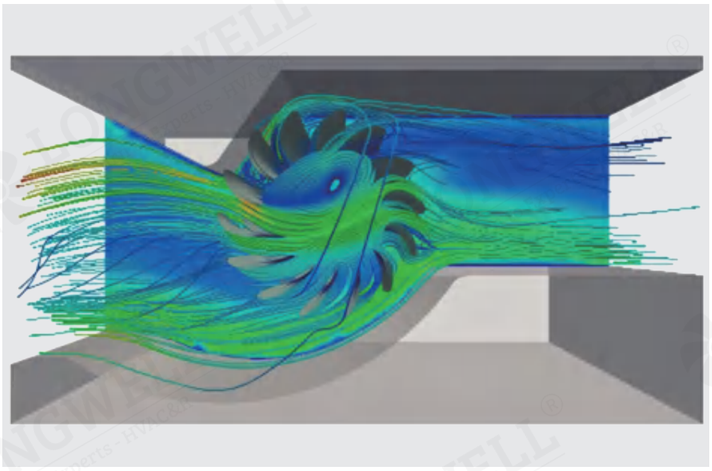
Technology Applied in Heater Fan

Professional CFD simulation to calculate the optimal efficiency point, which is achieved through the perfect integration of the impeller, air duct, and motor to reach maximum efficiency and minimum noise —— **our exclusive design technology**



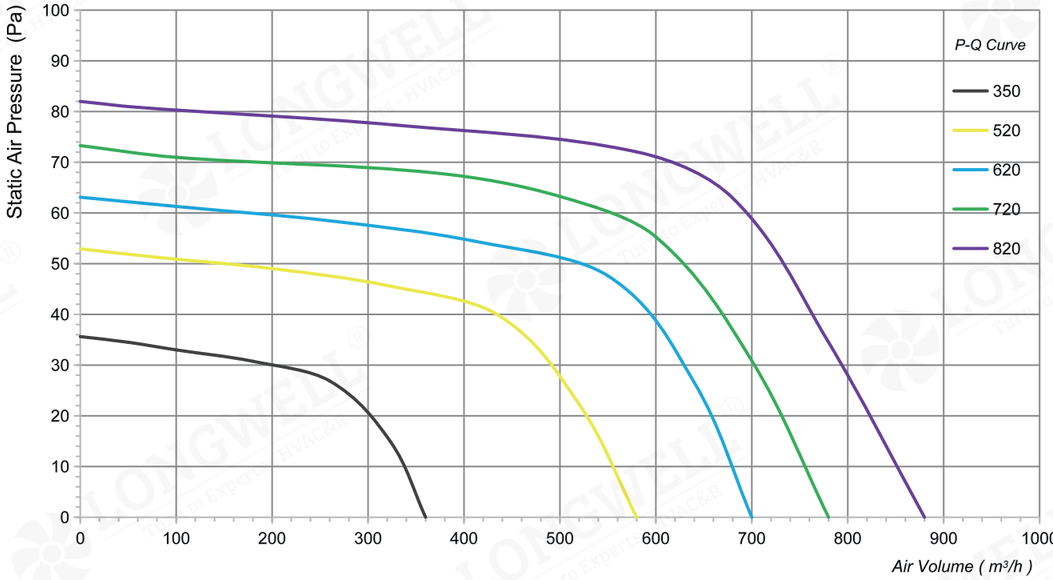


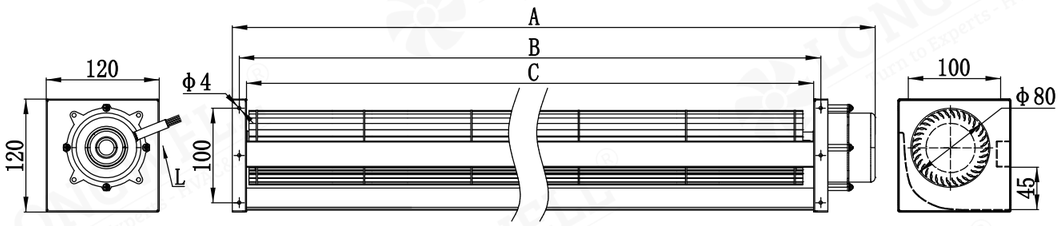




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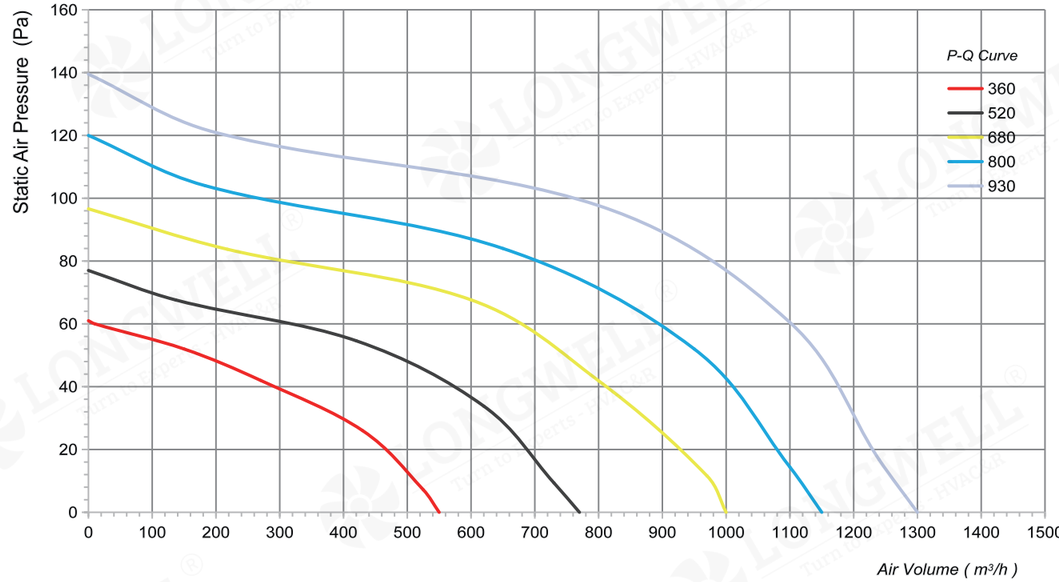
Core Technical Parameters:
AC80 Series Cross Flow Fan

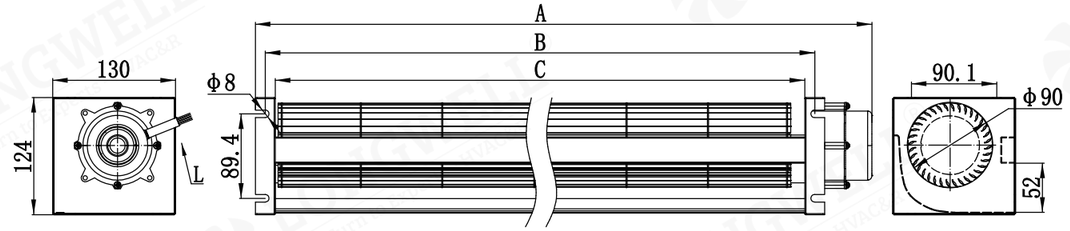




Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-80350SN-06	446	365	350	230	50	28	1350	36	360	51	Single
LWCA-80520SN-06	616	535	520	230	50	32	1350	53	580	53	Single
LWCA-80620SN-06	716	635	620	230	50	35	1350	63	700	54	Single
LWCA-80720SN-06	816	735	720	230	50	38	1350	73	780	55	Single
LWCA-80820SN-06	916	835	820	230	50	40	1350	82	880	56	Single

Core Technical Parameters:
AC90 Series Cross Flow Fan

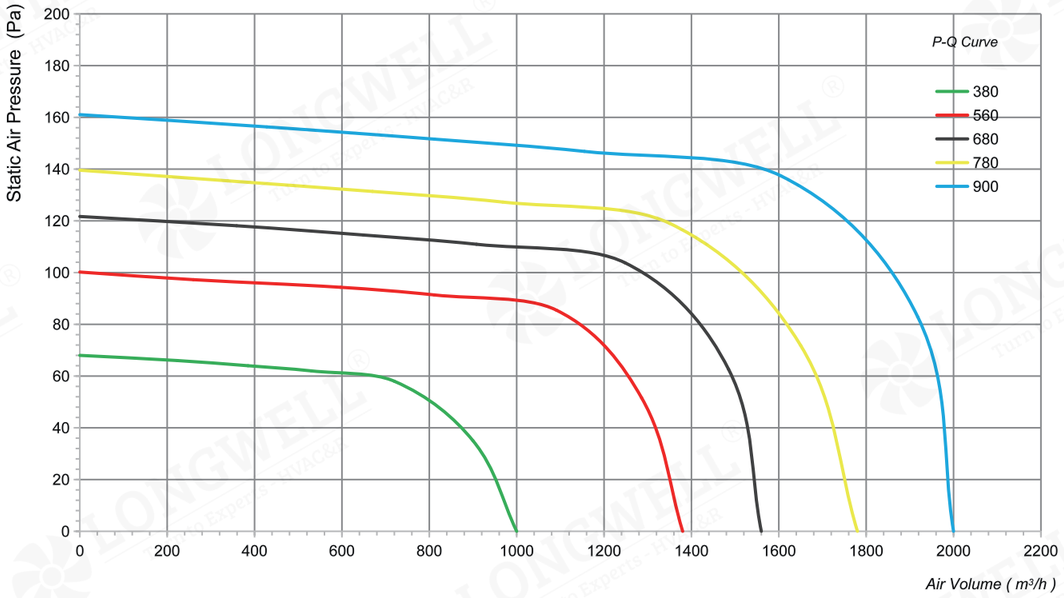


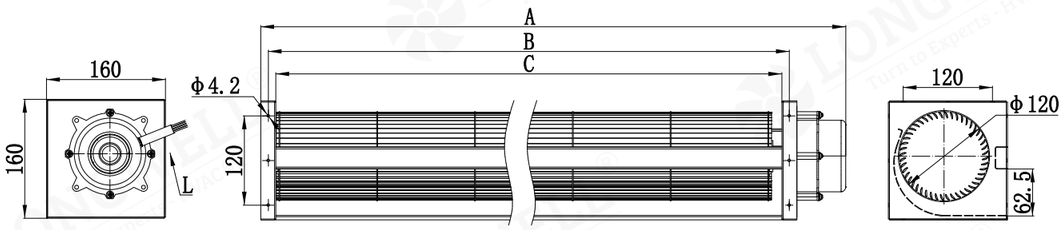


Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-90360SN-06	462	381	360	230	50	33	1350	61	550	53	Single
LWCA-90520SN-06	627	546	520	230	50	55	1350	77	770	54	Single
LWCA-90680SN-06	782	701	680	230	50	72	1350	97	1000	55	Single
LWCA-90800SN-06	902	821	800	230	50	83	1350	120	1150	58	Single
LWCA-90920SN-06	1032	951	930	230	50	93	1350	140	1300	59	Single

Core Technical Parameters:

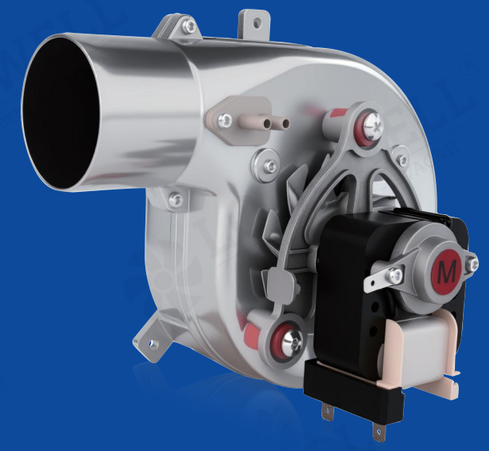
AC120 Series Cross Flow Fan





Model	A (mm)	B (mm)	C (mm)	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Pressure (Pa)	Air Flow (m³/h)	Noise [dB(A)]	Blower
LWCA-120380SN-06	504	400	380	230	50	109	1350	68	1000	63	Single
LWCA-120560SN-06	684	580	560	230	50	120	1350	100	1380	65	Single
LWCA-120680SN-06	804	700	680	230	50	135	1350	122	1560	67	Single
LWCA-120780SN-06	904	800	780	230	50	150	1350	140	1780	71	Single
LWCA-120900SN-06	1024	920	900	230	50	170	1350	161	2000	72	Single

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Our Precision Gas Blowers

1. Built to withstand high temperatures and deliver unwavering reliability, they are the key to a safe, efficient, and durable heating system

2. Professional CFD simulation to calculate the optimal efficiency point, which is achieved through the perfect integration of the impeller, air duct, and motor to reach maximum efficiency and minimum noise - our exclusive design technology

- High Wind Pressure
- Unwavering Reliability
- Temperature Resistance
- Safe and Efficient

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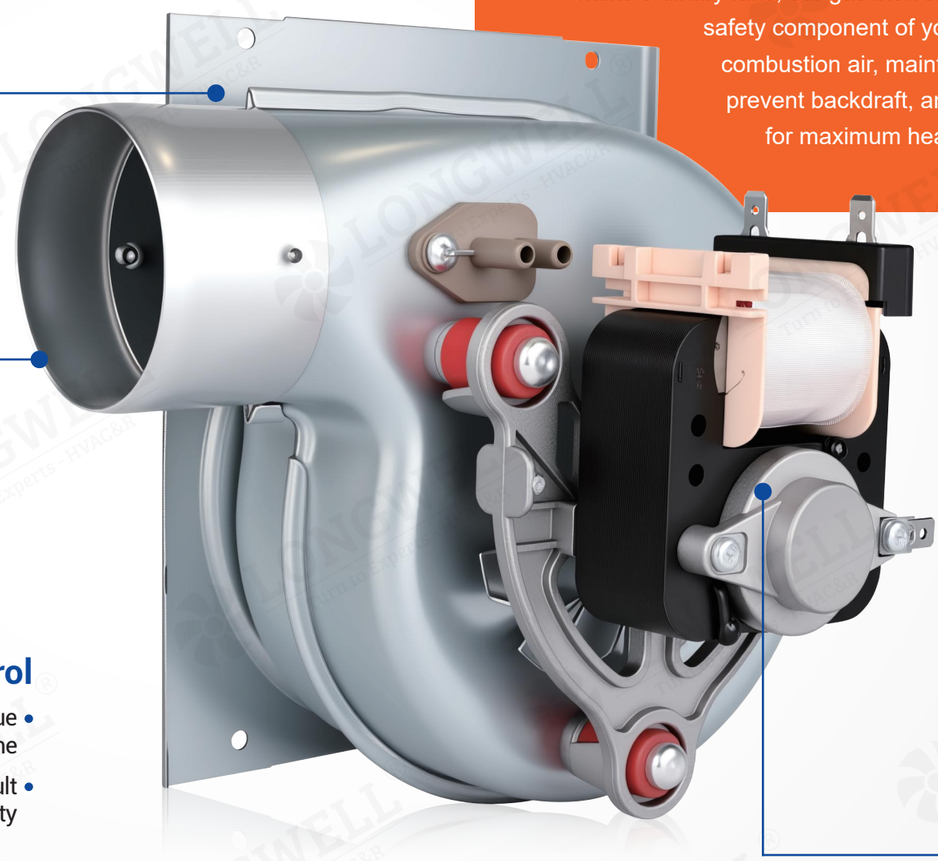
Technology Applied in Heater Fan

The Heart of Safe & Efficient Combustion: **Our Precision Gas Blowers**

Unlike ordinary fans, our gas blowers are engineered to be the core safety component of your heater. They precisely meter combustion air, maintain critical chamber pressure to prevent backdraft, and ensure complete fuel burning for maximum heat output and minimal emissions

Die-cast Aluminum or Sheet Metal Housing

- Offers excellent corrosion resistance, lightweight properties, and good structural integrity
- Seal joint treatment, high strength



Steel or Aluminium Impellers

- Ensuring structural strength and resistance to creep under high temperatures
- Features forward-curved blades
- Generates high airflow and static pressure at relatively low speeds
- Offering high efficiency and relatively low operational noise

Intelligent Integration and Control

- Can be equipped with pressure sensors and impulse transmitters to monitor flue pressure or fan status in real-time
- Signals are fed back to the boiler's main control system, enabling airflow regulation, fault alarms, or interlocked control, enhancing system automation and safety

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m/s)
LWGA35S-01	220	50	35	286	2000	14

AC Shaded Pole Motor

- Stable Operating Motor
- Effectively prevents motor overheating and shortened lifespan due to prolonged heat exposure
- Reduces the transmission of vibration and noise from the fan unit to the building structure, significantly lowering operational noise

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Technology Applied in Heater Fan

The Complete Safety & **Control Ecosystem**

We offer more than just fans; we provide a complete subsystem for your heater, integrating safety, control, and structure. From pressure switches and gas valves that ensure safety interlocks, to the intelligent PCB control center, and the thermostat providing ultimate over-temperature protection, every component undergoes rigorous matching and testing. Choosing our kit means obtaining a complete and reliable solution from hardware to control logic, greatly simplifying your integration work and fundamentally ensuring the safety and quality of your end product.



Steel Pipe(32mm×0.5mm×210mm)



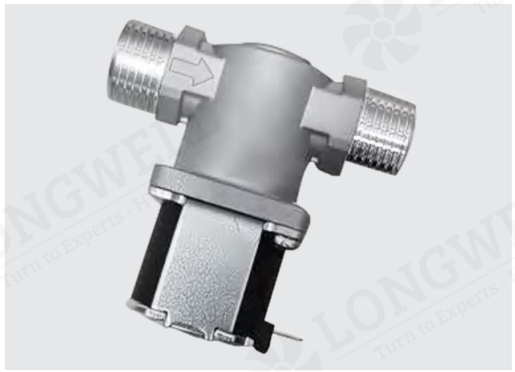
Pressure Switch(Two-pin plug)



Pressure Switch(Three-pin plug)



Thermostat(180°C or 300°C)



Gas Valve



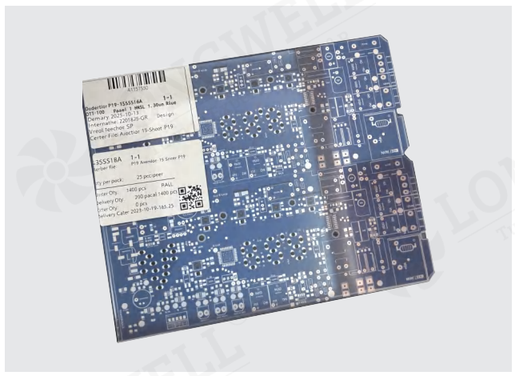
Gas Valve



Thermal Cutoff



Thermal Cutoff

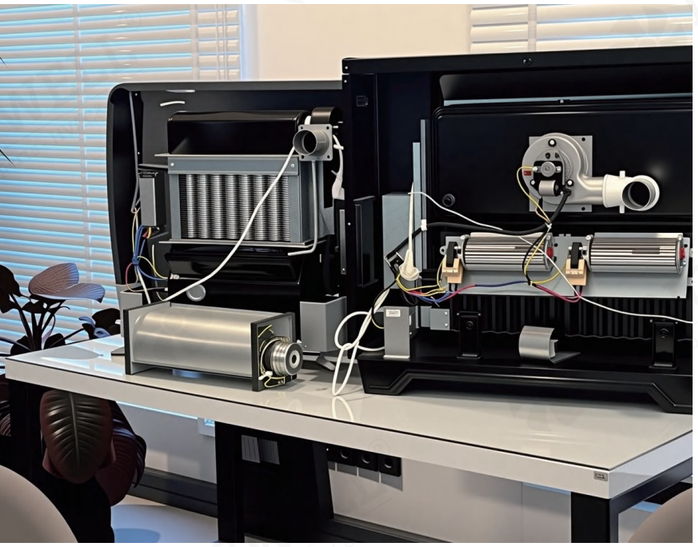


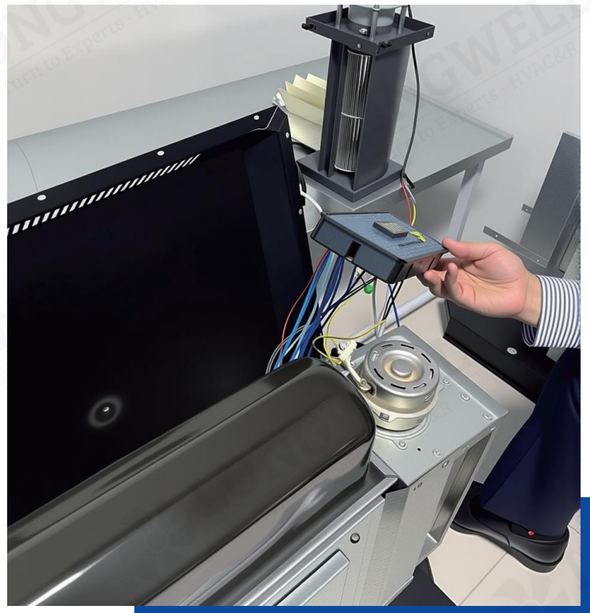
PCB

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Our Heater Fan Kit Project in Iran

We serve as your single-source supplier, offering OEM components, full kits, and technical support, which streamlines your procurement process and ensures perfect compatibility.
We have rigorously validated all components for heater applications, including fans, pressure relief valves, thermostats, gas valves, PCB control boards, and more. Through precise calibration and integration, these components are perfectly matched to work in harmony, achieving optimal control, extended service life, maximum efficiency, and superior stability.







1. Born for High-Quality Breathing, LONGWELL Fans Power Your Equipment

2. Manufacturer and Provider of High-quality Ventilation Fans and HVACR Complete Machine Technology Solutions

3. Let's find out how longwell can helpto make your company and your solutions even better

All components have been approved by the Iranian government
The First Approved By The Local Iranian Government