



Internal Rotor Axial Fan

Refrigeration Specially Used Axial Fan mainly consists of motor, impeller and casing, it is usually used in occasions with higher pressure requirements. This axial fan fixes the position and moves the air. This axial fan is widely used for ventilation and air exchanging in factories, warehouses, offices, houses and other places, and can also be used for air coolers, cold storage, evaporators, condensers, spray cooling, etc.

Voltage: Three-phase 380V/50Hz

Relative humidity: $\leq 90\%$

Working mode: S1

Insulation class: B, F

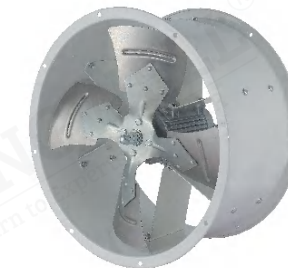
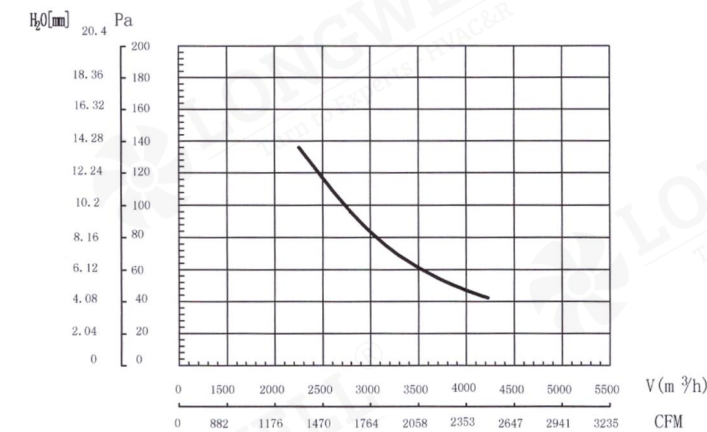
Ambient temperature: between -30°C and 60°C

Altitude: $\leq 1000\text{ m}$

Average use life: $\geq 30,000\text{ hours}$

Protection level: IP44, Ip54

LWAA4D-400 Serie Axial Fan Used for Refrigerator



General Type



Stainless Steel Type

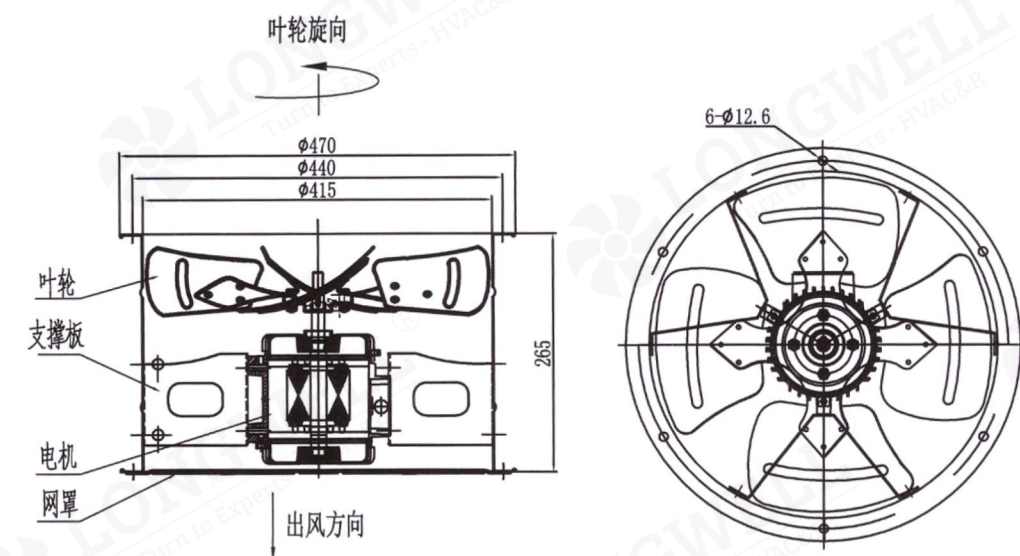
Product Characteristic

- | | | | |
|---------------------|------------------------|------------------------|--|
| • Voltage: | Three-phase, 380V/50Hz | • Relative Humidity: | 90% |
| • Working Mode: | S1 | • Insulation Class: | B/F |
| • Altitude: | $\leq 1000\text{m}$ | • Average Use Life: | $\geq 30,000\text{hours}$ |
| • Protection Level: | IP44/IP54 | • Ambient Temperature: | Between -30°C and 60°C |



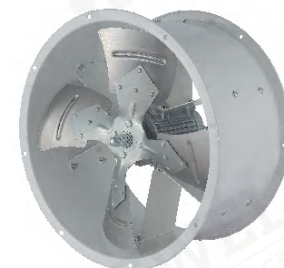
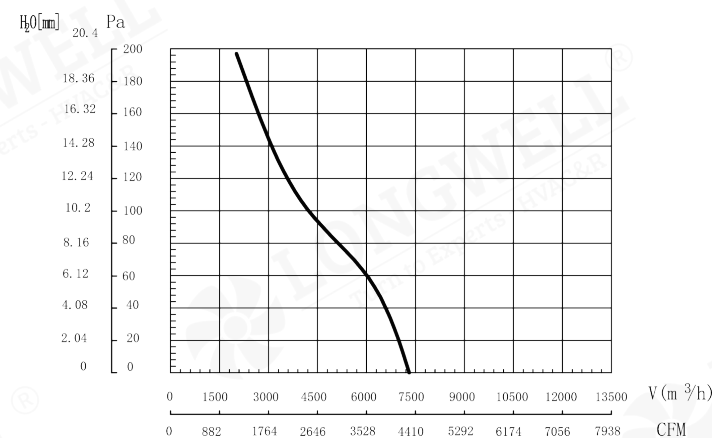
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)
LWAA4D-400-01	380	50	1	370	1430	4224

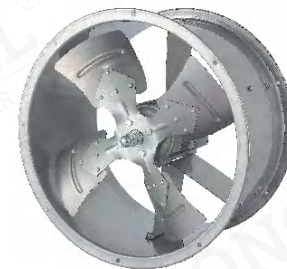


LWAA4D-500 Serise

Axial Fan Used for Refrigerator



General Type



Stainless Steel Type

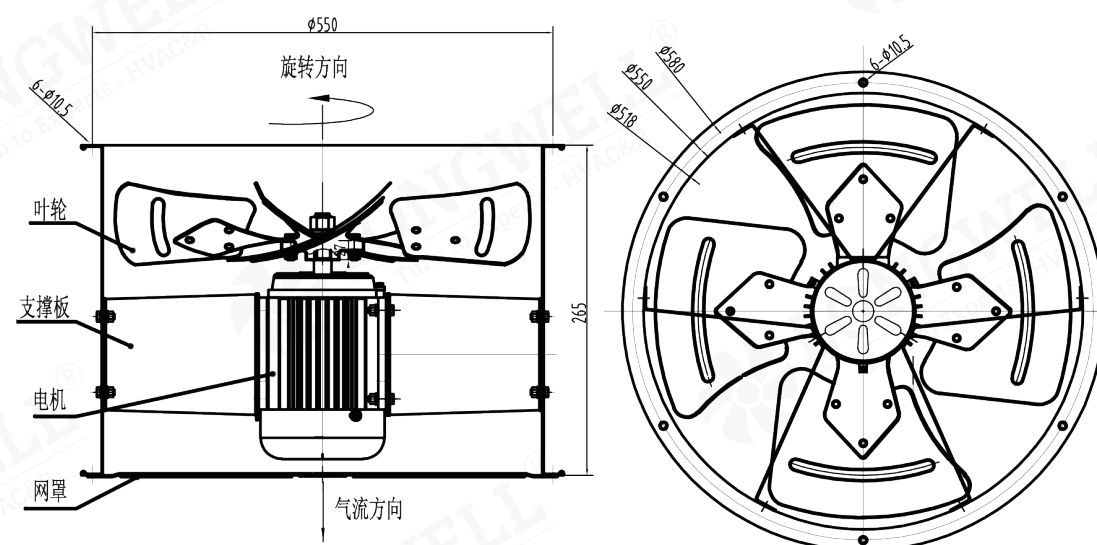
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: ≤1000m
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: ≥30,000hours
- Ambient Temperature: Between -30 °C and 60 °C



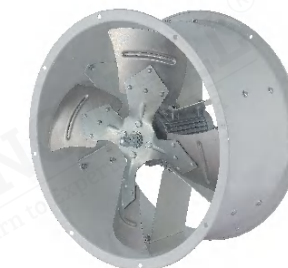
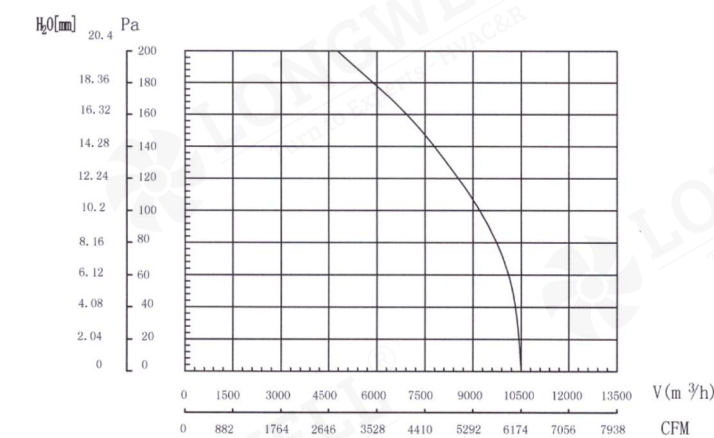
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)
LWAA4D-500-01	380	50	1.5	550	1420	2327

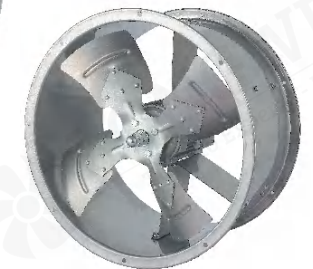


LWAA4D-550 Serise

Axial Fan Used for Refrigerator



General Type



Stainless Steel Type

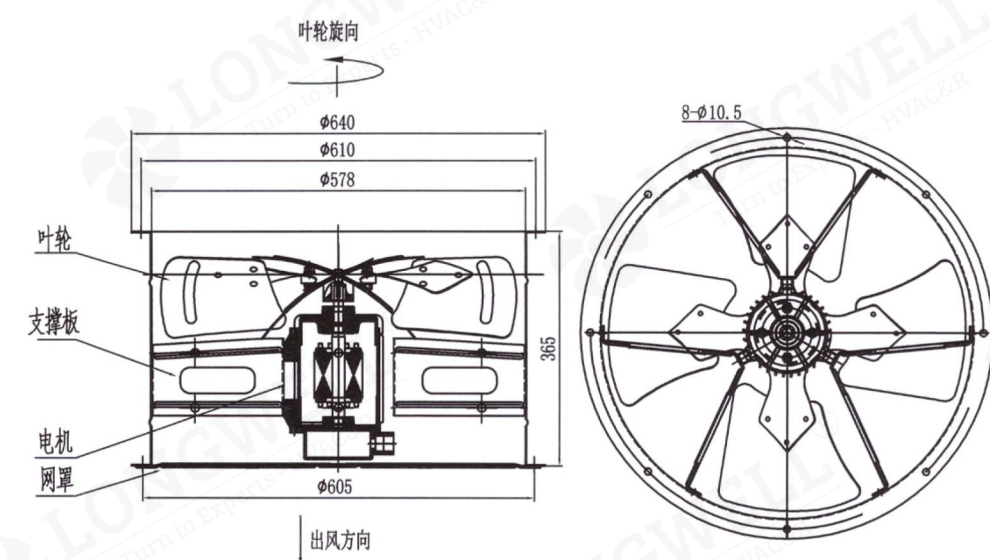
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: ≤1000m
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: ≥30,000hours
- Ambient Temperature: Between -30 °C and 60 °C



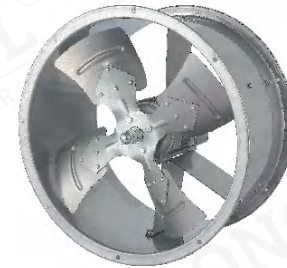
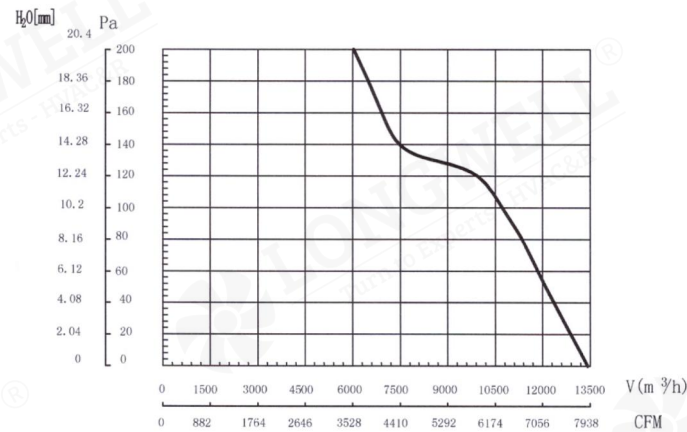
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)
LWAA4D-550-01	380	50	2	1100	1420	4560



LWAA4D-600 Serise

Axial Fan Used for Refrigerator



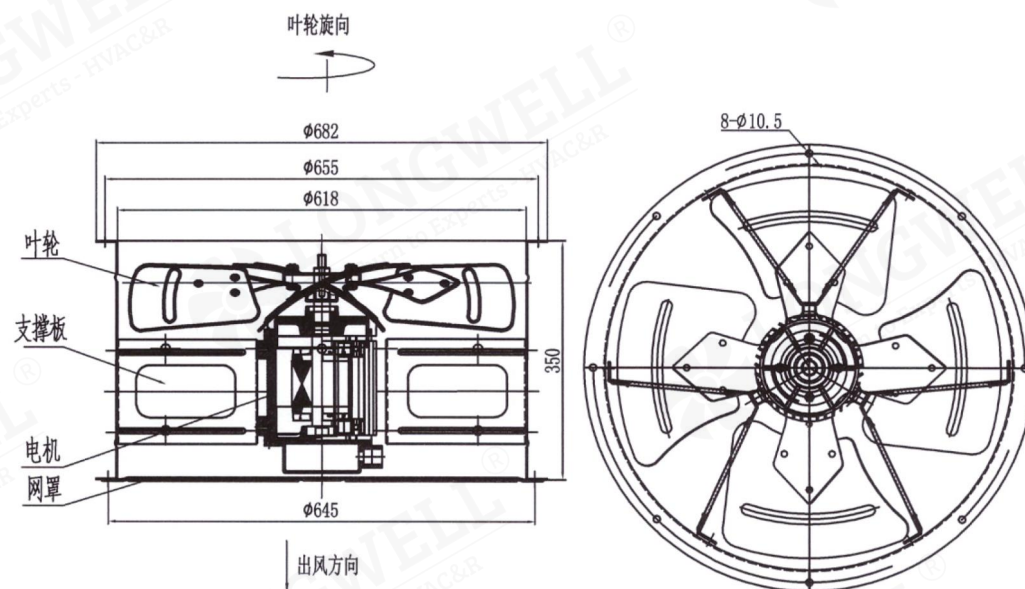
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: ≤1000m
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: ≥30,000hours
- Ambient Temperature: Between -30 °C and 60 °C



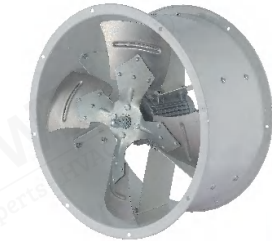
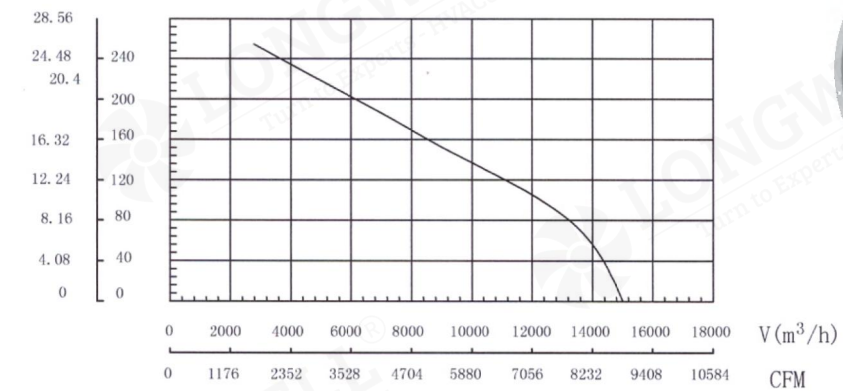
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)
LWAA4D-600-01	380	50	3	1370	1450	6136



LWAA4D-600 Serise

Axial Fan Used for Refrigerator



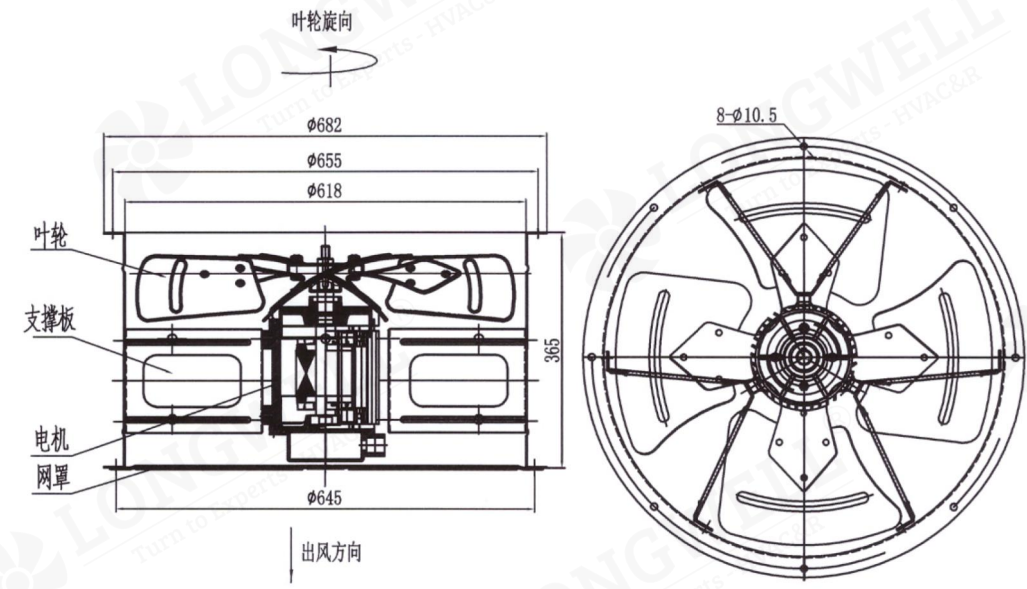
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: ≤1000m
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: ≥30,000hours
- Ambient Temperature: Between -30 °C and 60 °C



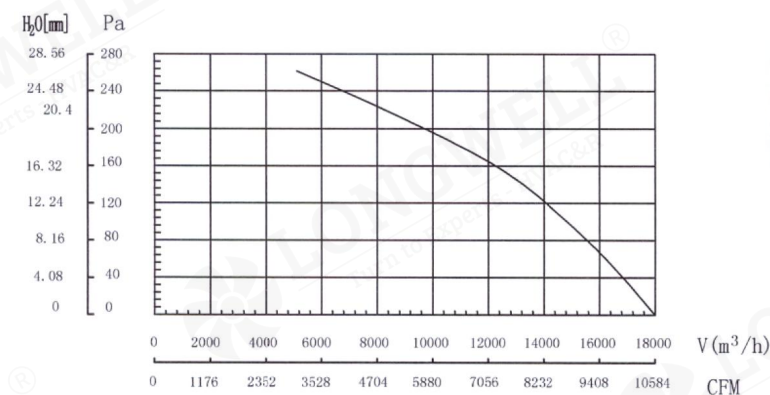
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)
LWAA4D-600-02	380	50	3.6	2200	1430	7352



LWAA4D-700 Serise

Axial Fan Used for Refrigerator



General Type



Stainless Steel Type

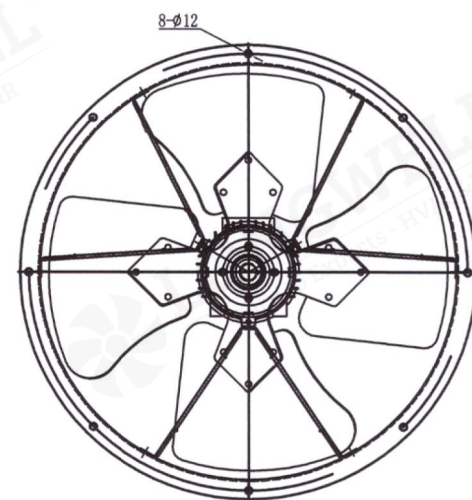
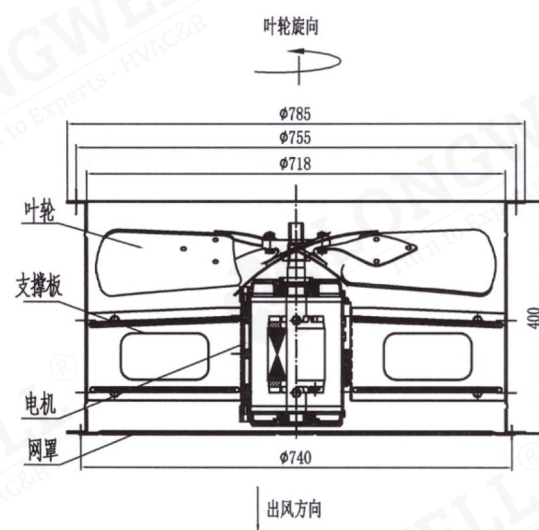
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: $\leq 1000m$
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: $\geq 30,000$ hours
- Ambient Temperature: Between $-30^\circ C$ and $60^\circ C$



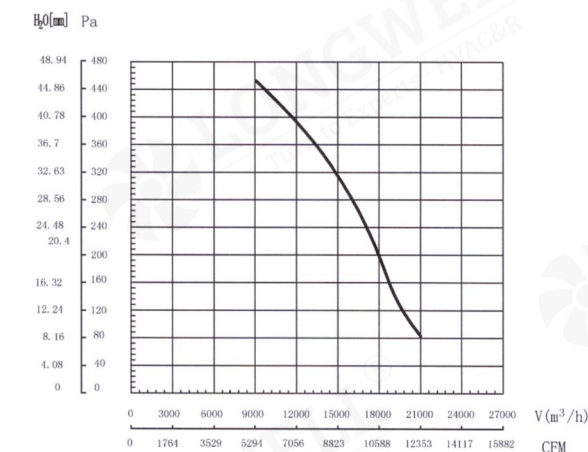
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m^3/h)
LWAA4D-700-01	380	50	5.1	3000	1450	9854

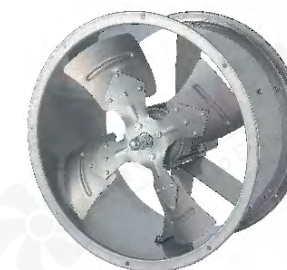


LWAA4D-800 Serise

Axial Fan Used for Refrigerator



General Type



Stainless Steel Type

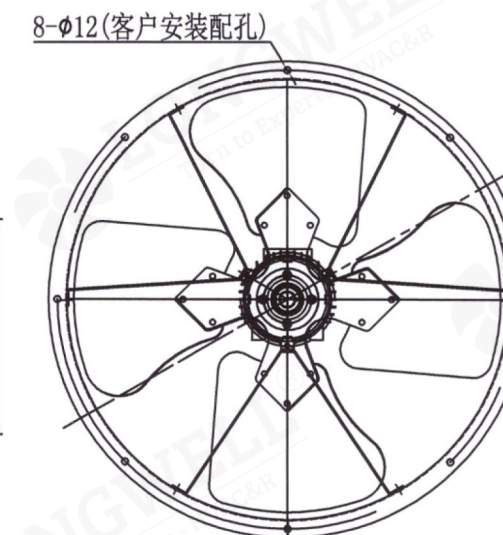
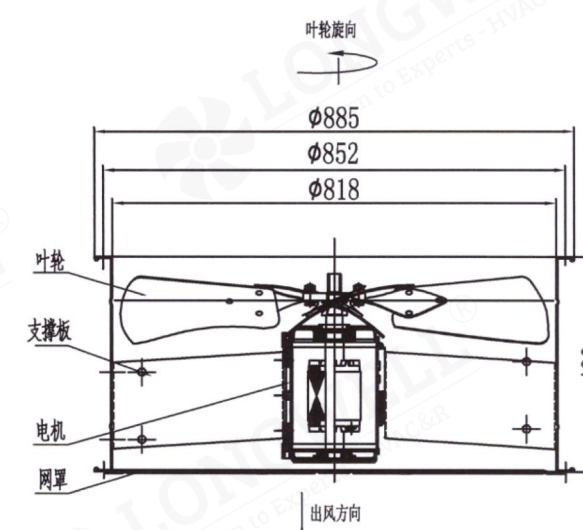
Product Characteristic

- Voltage: Three-phase, 380V/50Hz
- Working Mode: S1
- Altitude: $\leq 1000m$
- Protection Level: IP44/IP54
- Relative Humidity: 90%
- Insulation Class: B/F
- Average Use Life: $\geq 30,000$ hours
- Ambient Temperature: Between $-30^\circ C$ and $60^\circ C$



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m^3/h)
LWAA4D-800-01	380	50	6.1	4000	1450	21031





Internal Rotor Axial Fan

The axial fan adopts inner rotor motor, and the motor is carefully designed according to the characteristics of the fan. It has features as small size, light weight, low vibration, low temperature rise, excellent performance, protection grade IP54, high reliability and high efficiency.

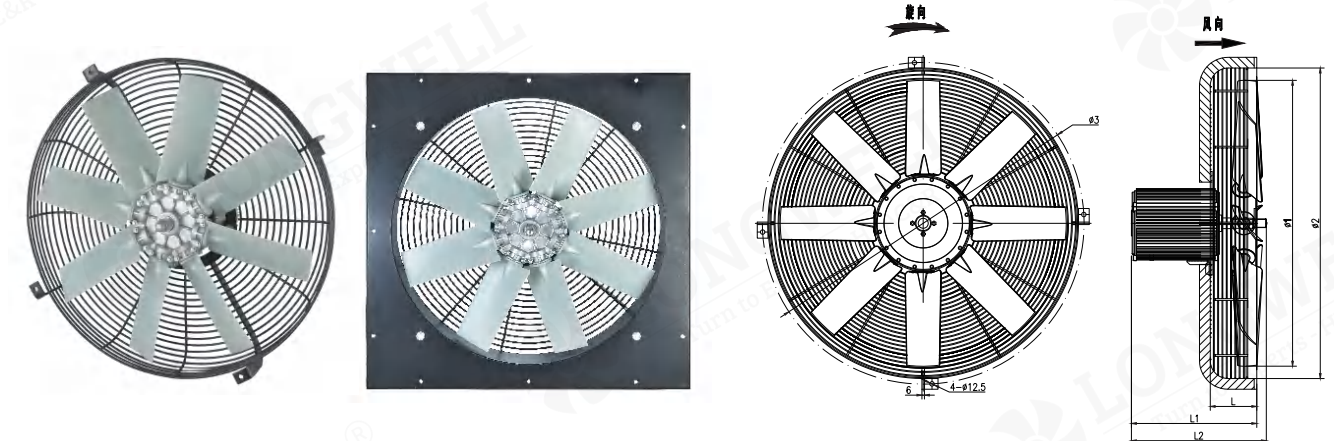
It is widely used in central air conditioners, screw air compressors, refrigeration equipment, electrical equipment, and internal ventilation and heat dissipation of buildings. To make it as SI, it can operate continuously according to the rated value given on the nameplate.

This series of motors, as a supporting product for negative motors, must be operated with blades when used. The motor is cooled by the airflow generated by the fan blades. Otherwise, the motor's own heat cannot be effectively dissipated, which may cause the motor to burn out.

Voltage: Three-phase 380V/50Hz
Relative humidity: ≤ 90%
Working mode: S1
Insulation class: B, F

Ambient temperature: between -30°C and 60°C
Altitude: ≤ 1000 m
Average use life: ≤ 30,000 hours
Protection level: IP44, Ip54

LWAA650-800 Series



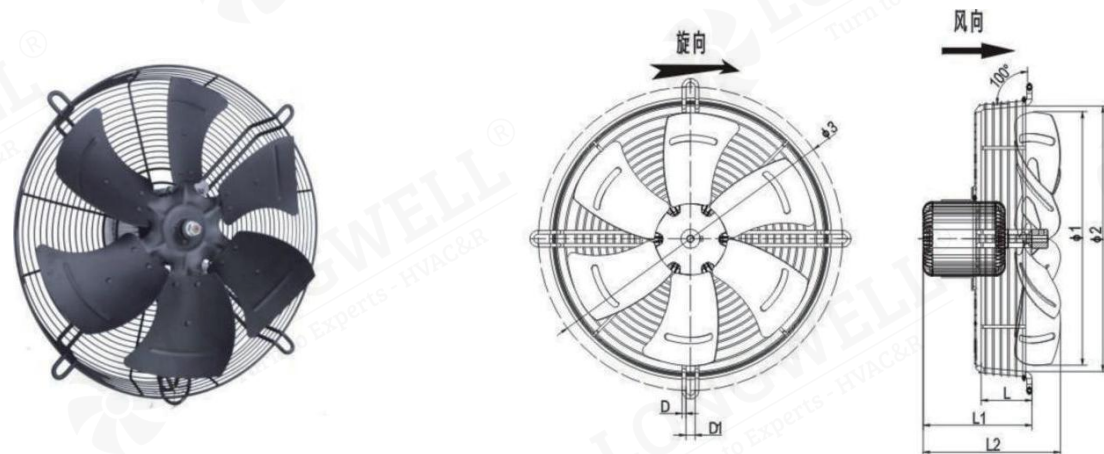
Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)	Total Pressure (Pa)	Noise (dBA)
LWAA-650-01	380	50	3.25	1500	1450	14380	256	83
LWAA-650-02	380	50	4.25	2200	1450	17290	287	84
LWAA-700-01	380	50	4.8	1500	960	14380	122	78
LWAA-700-02	380	50	5.25	3000	1450	22530	291	84
LWAA-750-01	380	50	4.8	1500	960	15365	122	78
LWAA-750-02	380	50	5.6	2200	960	18680	163	79
LWAA-750-03	380	50	5.25	3000	1450	25480	291	86
LWAA-800-01	380	50	5.6	2200	960	22800	172	78
LWAA-800-02	380	50	8.29	4000	1450	26800	300	88
LWAA-800-03	380	50	9.5	4500	1450	28800	300	88

Installation Dimension Sheet

Model	Power	Φ1	Φ2	Φ3	D	D1	L	L1	L2
LWAA-650-01	1.5-4	650	719	750	6	12.5	130	310	330
LWAA-650-02	2.2-4	650	719	750	6	12.5	130	310	330
LWAA-700-01	1.5-6	700	769	800	6	12.5	130	310	330
LWAA-700-02	3KW-4	700	769	800	6	12.5	130	350	373
LWAA-750-01	1.5-6	750	819	850	6	12.5	130	310	330
LWAA-750-02	2.2-6	750	819	850	6	12.5	130	350	373
LWAA-750-03	3KW-4	750	819	850	6	12.5	130	350	373
LWAA-800-01	2.2-6	800	869	900	6	12.5	130	350	373
LWAA-800-02	4KW-4	800	869	900	6	12.5	130	360	380
LWAA-800-03	4.5KW-4	800	869	900	6	12.5	130	360	380

LWAA300-800 Series



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Flow (m³/h)	Total Pressure (Pa)	Noise (dBA)
LWAA-300-01	380	50	0.27	120	1350	2000	48	68
LWAA-400-01	380	50	0.61	280	1350	4430	52	70
LWAA-450-01	380	50	1.34	370	1430	6400	64	72
LWAA-500-01	380	50	1.95	550	1365	8220	73	73
LWAA-550-01	380	50	2.6	750	1400	10400	88	75
LWAA-600-01	380	50	3.31	1500	1350	14380	122	78
LWAA-650-03	380	50	4.66	2200	1430	17290	136	84
LWAA-700-03	380	50	6.08	3000	1430	22530	163	84.5
LWAA-700-04	380	50	2.35	1200	930	10810	90	77
LWAA-750-04	380	50	8.29	4000	1400	25480	291	86
LWAA-800-04	380	50	4.48	2200	950	23200	110	80

Installation Dimension Sheet

Model	Power	Φ1	Φ2	Φ3	D	D1	L	L1	L2	Weight (KG)
LWAA-300-01	0.12-4	300	330	360	6	8.5	70	158	188	4.5
LWAA-400-01	0.18-4	400	420	460	6	8.5	80	172	217	6.2
LWAA-450-01	0.37-4	450	500	550	6	8.5	80	170	225	10.7
LWAA-500-01	0.55-4	500	540	600	8	12.5	70	183	265	13.4
LWAA-550-01	0.75-4	550	590	650	8	12.5	70	225	275	13
LWAA-600-01	1.5-4	600	640	700	8	12.5	100	257	280	22
LWAA-650-03	2.2-4	650	719	750	7	12.5	130	273	307	31
LWAA-700-03	3-4	700	769	800	7	12.5	130	313	358	43
LWAA-750-04	4-4	750	819	850	7	12.5	130	350	373	48
LWAA-800-04	2.2-6	800	869	900	7	12.5	130	299	334	55

Parts of Fan



Single Shaft Impeller



Double Shafts Impeller



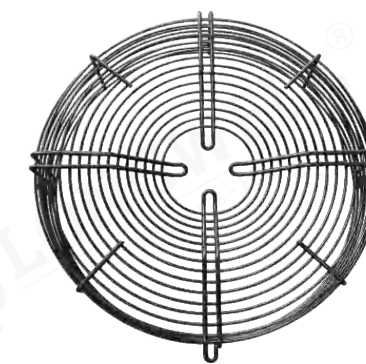
Aluminum Blades with Saw Teeth



Steel Blades



Straight Nylon blades



Grid for External Rotor Fan



Impeller for External Rotor Centrifugal fan



Motor for External Rotor Centrifugal fan



Inner Rotor Motor