

## DD Series Centrifugal Blower

Professional HVAC Fan & Motors Manufacturer



## Type Code

DD 8 - 8 I



Type

Width of Impeller

Diameter of Impeller

DD Series

## DD Series Centrifugal Blower

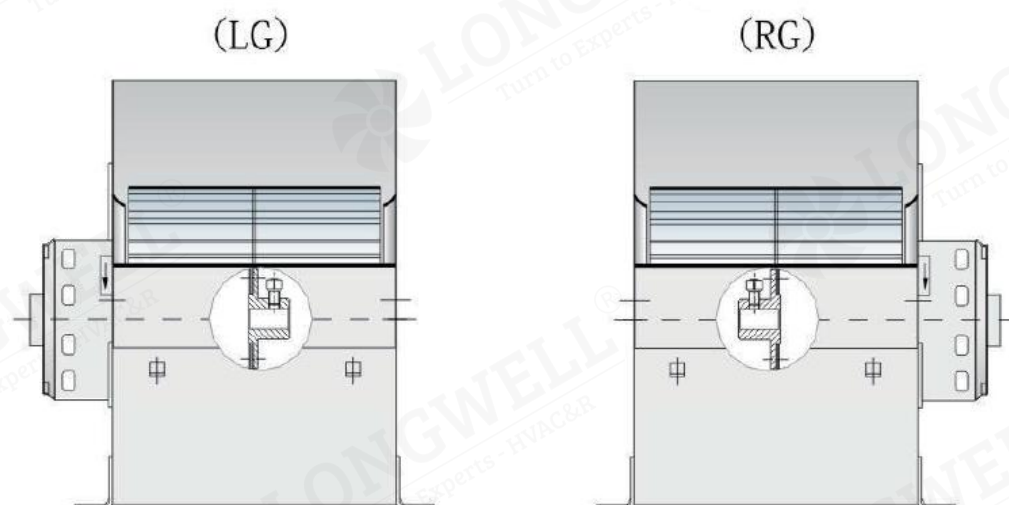
### 1.Outline

DD series centrifugal air-conditioning fans are based on AT series, which are newly developed and manufactured products with internationally advanced by this company. It was developed by using high technology and with low noise and compact structure. It was specially designed for the air-conditioning. The flow rate and total pressure range of this series fan are from 800m³/h to 5000m³/h. It is the ideal equipment for the changeable air conditioners, tube type units VAV system, heating and other kind of fan system.

### 2.Type of Product

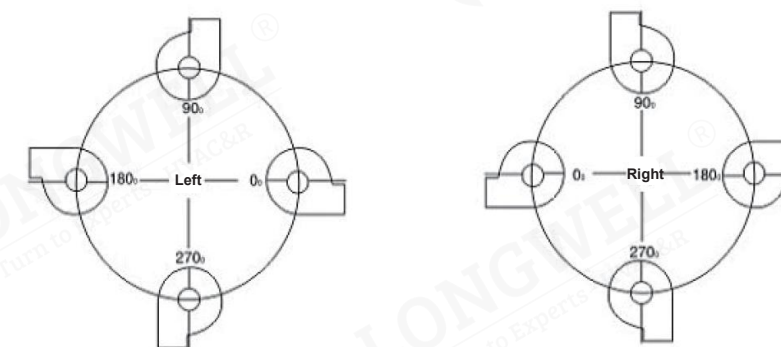
#### (1) Rotation Direction

The rotation direction of the fan can be divided into clockwise rotation (R) and counterclockwise rotation (L). Clockwise rotation (R): From the sleeve side, the Wheel rotation direction is the same as the clockwise direction of rotation. Counterclockwise rotation (L): From the sleeve side, the Wheel rotation direction is opposite to the clockwise direction of rotation.



#### (2) Discharge Direction

According to Fig 1, DD Series fans can be made in four air-outlet directions: 0°, 90°, 180°, 270°



(Fig 1)

### 3.Construction of Product

DD Series ventilators consists of housing, Wheel, baseplate and motor.

#### (1) Housing

The housing is made of hot galvanized steel sheet. The side plates include inlet cones that are designed with the best aerodynamics for inlet condition. The scroll is fixed to the side plates by spot welding. On the side of the housing there are a series of holes drilled in advance for riveting nuts to carry out installation according to air outlet direction needed by the customer.

#### (2) Wheel

Forward curved Wheel is constructed of high-grade hot galvanized steel sheet with the advanced aerodynamics profile to achieve the highest efficiency and the lowest noise level. The Wheel is fixed on the center plate and on the end ring with riveting grippes. The Wheel is constructed with maximum strength that endures the continuous operation with maximum power. All Wheels are balanced to the ANSI/AMCA 204 Notional Standard. company internal standard is G2.5 or higher for wheel balancing.

#### (3) Frame

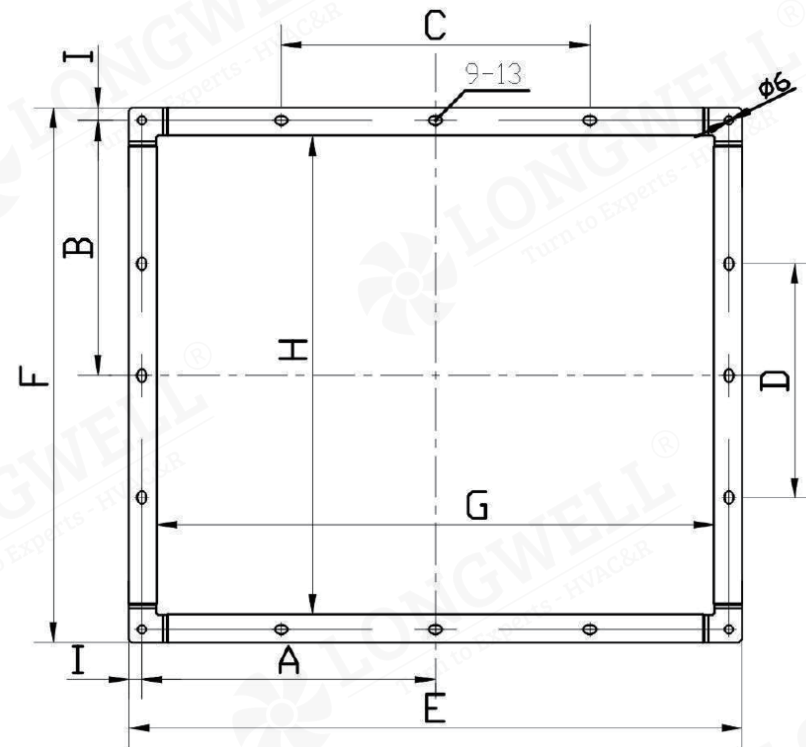
DD series fan baseplates are made of high-quality galvanized steel sheet, which can be assembled with the direction by the customer demand.

#### (4) Motor

DD series fans are equipped with single-phase 220V/50Hz three speeds motors, which are flexible to change speed and easy to install, Speed can be changed by using provided silicon controlled voltage regulator and frequency converter.

## (5) Flange

The flange is made of galvanized steel. The connections of the flange components to the scroll are made using a TOX non-welding process. This maintains a good flange appearance while also providing sufficient strength and rigidity. The dimensions and type of flange are shown in Fig 2.



Note:the size in mm

| Type | DD7-7I | DD8-8I | DD9-7I | DD9-9I | DD10-8I | DD10-10I | DD10-10II | DD12-9I | DD12-12I |
|------|--------|--------|--------|--------|---------|----------|-----------|---------|----------|
| A    | 128.5  | 153.5  | 126    | 159    | 147.5   | 180.5    | 182       | 169.5   | 212.5    |
| B    | 124    | 138    | 141    | 141    | 159.5   | 159.5    | 158.5     | 185.5   | 185.5    |
| C    | /      | /      | /      | /      | /       | /        | /         | 123     | 148      |
| D    | /      | /      | /      | /      | /       | /        | /         | 138     | 138      |
| E    | 277    | 327    | 272    | 338    | 321     | 387      | 390       | 365     | 451      |
| F    | 268    | 296    | 302    | 302    | 345     | 345      | 343       | 397     | 397      |
| G    | 237    | 287    | 232    | 298    | 265     | 331      | 334       | 309     | 395      |
| H    | 228    | 256    | 262    | 262    | 289     | 289      | 287       | 341     | 341      |
| I    | 10     | 10     | 10     | 10     | 13      | 13       | 13        | 13      | 13       |

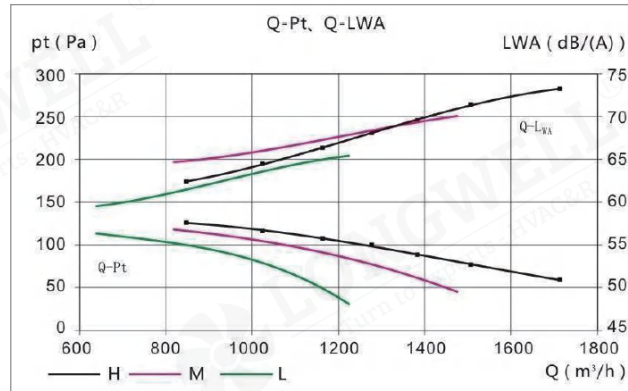
(Fig 2)

## 5.Instructions

- (1) The rated motor power as calculated herein might not be sufficient to drive the fan with an unrestricted discharge flow. Operating the fan with an unrestricted discharge outlet will result in flow rate that exceeds the specified fan capabilities. Such operation will quickly burn the motor and damage the fan. Great care must be taken in operating the fan to make sure that the maximum rated flows, as provided on the performance charts in this catalog, are not exceeded.
- (2) The fan performance in the catalog is tested under the motor rated speed, we can meet the actual requirement of the user by changing the motor speed.
- (3) Special care should be taken during transportation, load and unload.
- (4) The fan is limited for use in areas where air substances are non-corrosive, non-toxics and non-erosive.
- (5) Following the installation, the Wheel should be turned by hand or with the use of a wrench to make sure that it turns freely without colliding with other parts of the fan. Once all this is done, the fan can be commissioned normally.
- (6) A flexible connector should be used between the fan out let flange and its mating ductwork. The flex connector should not be over-stretched.
- (7) The inside of the scroll and casing need to be checked to make sure that there are no foreign objects inside the housing, such as tools or loose parts.
- (8) The rotational directions of the motor and should be checked to ensure that they are in compliance with the specification and purchase orders.
- (9) During ordering it is necessary to state the type of fan, motor type, air flow, air pressure and other parameters.

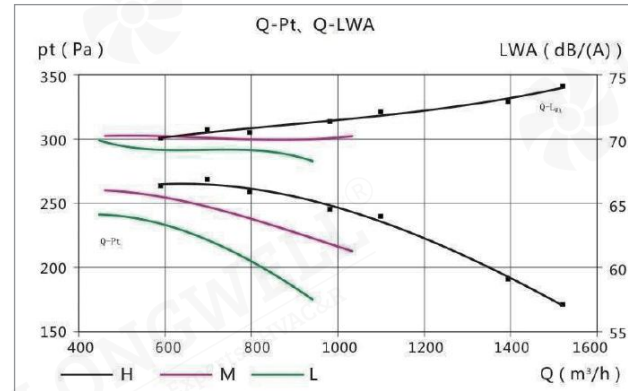
## DD7-7I Series

### Technical Specifications



| Model         | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|---------------|-------------|----------------|-------------|-------------|------------------|
| DD7-7I 90W-6P | 220         | 50             | 1.1         | 8.17        | IP20             |

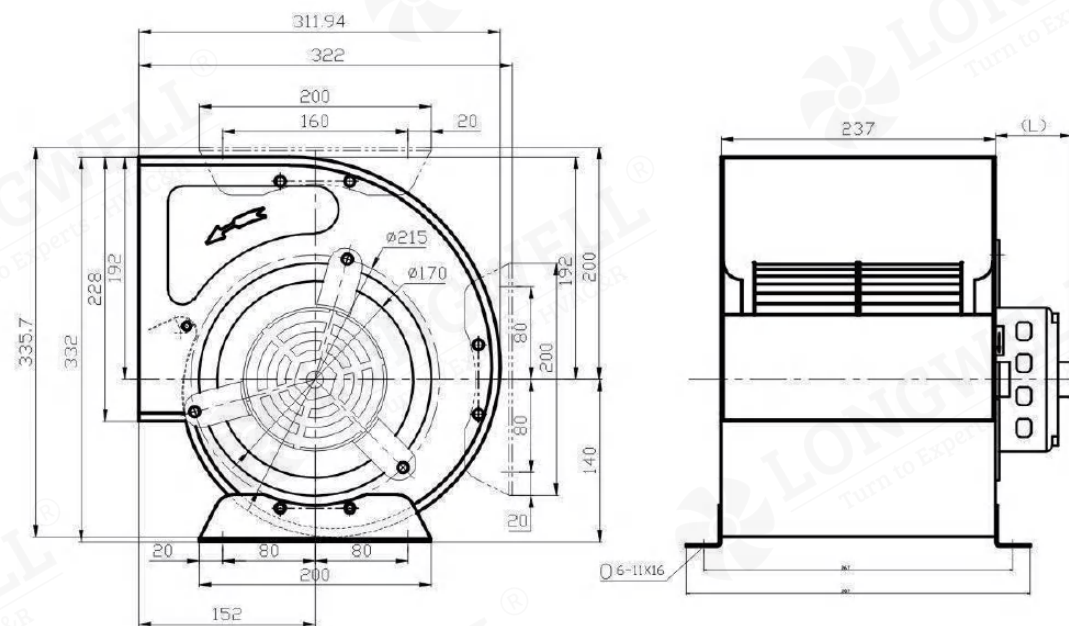
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 40.9 | 41.0 | 42.4 | 43.8 | 45.3 | 45.8 | 46.4 |
| 125 Hz         | 47.1 | 47.2 | 48.6 | 50.0 | 51.5 | 52.0 | 52.6 |
| 250 Hz         | 53.3 | 53.9 | 55.1 | 56.4 | 57.7 | 60.3 | 62.1 |
| 500 Hz         | 54.3 | 56.5 | 58.5 | 59.7 | 61.4 | 62.7 | 64.0 |
| 1K Hz          | 58.1 | 60.4 | 62.3 | 64.0 | 65.5 | 66.6 | 68.5 |
| 2K Hz          | 55.0 | 57.2 | 58.8 | 60.3 | 61.7 | 63.3 | 65.5 |
| 4K Hz          | 52.5 | 55.9 | 58.2 | 60.6 | 62.2 | 64.2 | 66.3 |
| 8K Hz          | 45.7 | 47.7 | 49.6 | 52.2 | 54.1 | 61.3 | 62.8 |
| LwA dB(A)      | 62.4 | 64.5 | 66.3 | 68.1 | 69.6 | 71.4 | 73.2 |



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD7-7I 150W-4P | 220         | 50             | 1.6         | 9.1         | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 49.2 | 50.1 | 48.7 | 47.9 | 47.7 | 48.1 | 49.0 |
| 125 Hz         | 55.4 | 56.3 | 54.9 | 54.1 | 53.9 | 54.3 | 55.2 |
| 250 Hz         | 62.3 | 63.5 | 62.8 | 62.3 | 62.7 | 63.2 | 64.0 |
| 500 Hz         | 61.2 | 61.7 | 61.3 | 61.6 | 61.9 | 63.8 | 65.1 |
| 1K Hz          | 64.8 | 65.5 | 65.3 | 66.2 | 67.0 | 67.9 | 69.3 |
| 2K Hz          | 62.0 | 62.5 | 62.6 | 64.3 | 65.6 | 65.4 | 66.5 |
| 4K Hz          | 61.2 | 61.7 | 61.9 | 63.7 | 64.6 | 65.8 | 67.0 |
| 8K Hz          | 59.5 | 59.7 | 59.7 | 60.3 | 60.5 | 61.3 | 62.1 |
| LwA dB(A)      | 70.1 | 70.7 | 70.5 | 71.4 | 72.1 | 72.9 | 74.1 |

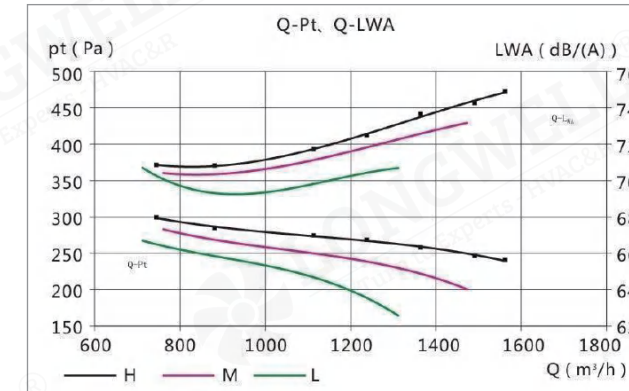
### Product Drawing



| Motor Power | 90W-6P | 150W-4P | 200W-4P |
|-------------|--------|---------|---------|
| L           | 31     | 31      | 31      |

## DD7-7I Series

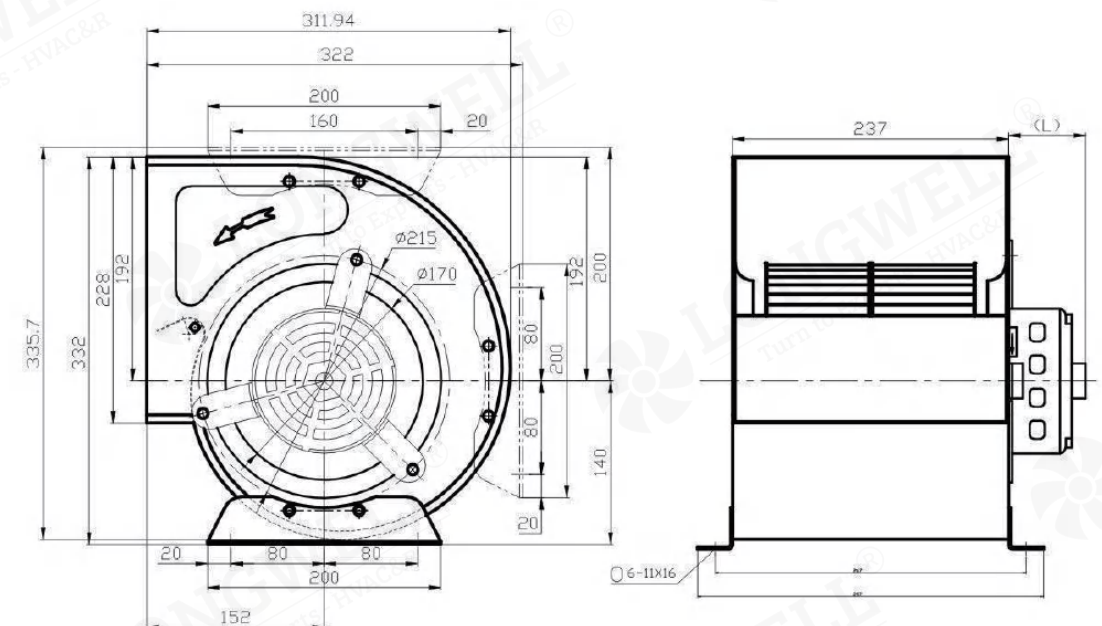
### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD7-7I 200W-4P | 220         | 50             | 1.8         | 9.4         | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 51.5 | 50.2 | 48.7 | 48.5 | 48.4 | 48.0 | 48.6 |
| 125 Hz         | 57.7 | 56.4 | 54.9 | 54.7 | 54.6 | 54.2 | 54.8 |
| 250 Hz         | 64.1 | 63.4 | 63.1 | 64.1 | 64.6 | 64.0 | 64.7 |
| 500 Hz         | 62.2 | 61.8 | 62.3 | 62.8 | 63.5 | 64.3 | 64.8 |
| 1K Hz          | 65.9 | 66.1 | 67.3 | 67.8 | 69.4 | 69.8 | 70.5 |
| 2K Hz          | 62.6 | 63.0 | 64.3 | 65.0 | 66.0 | 66.9 | 67.6 |
| 4K Hz          | 61.5 | 62.2 | 63.8 | 65.0 | 66.3 | 67.5 | 68.1 |
| 8K Hz          | 52.8 | 53.9 | 56.1 | 57.5 | 59.1 | 60.5 | 61.3 |
| LwA dB(A)      | 70.9 | 70.8 | 71.7 | 72.5 | 73.7 | 74.3 | 74.9 |

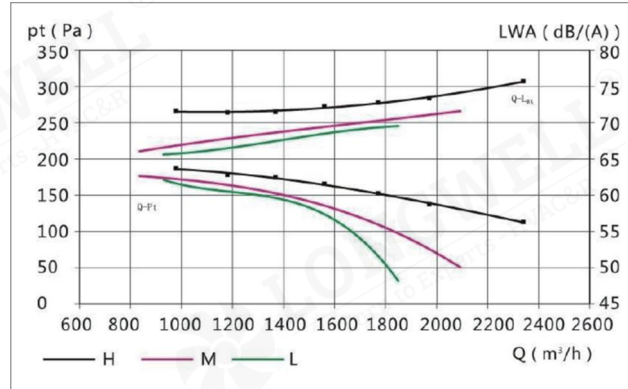
### Product Drawing



| Motor Power | 90W-6P | 150W-4P | 200W-4P |
|-------------|--------|---------|---------|
| L           | 31     | 31      | 31      |

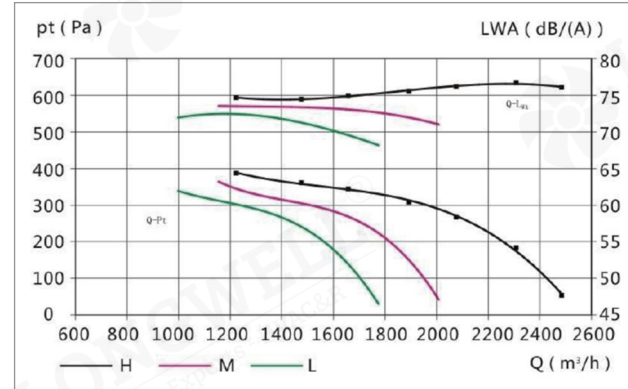
## DD8-8I Series

### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD8-8I 200W-6P | 220         | 50             | 1.8         | 14.1        | IP20             |

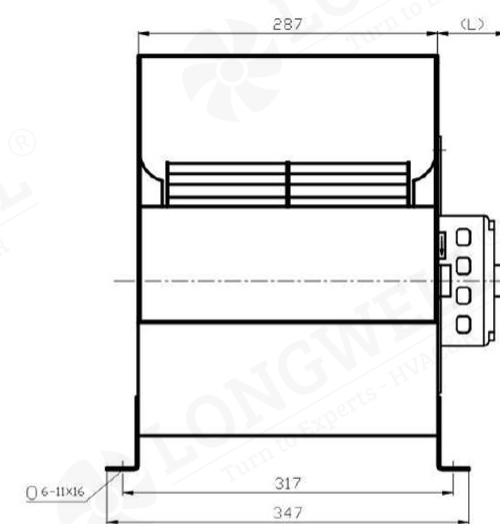
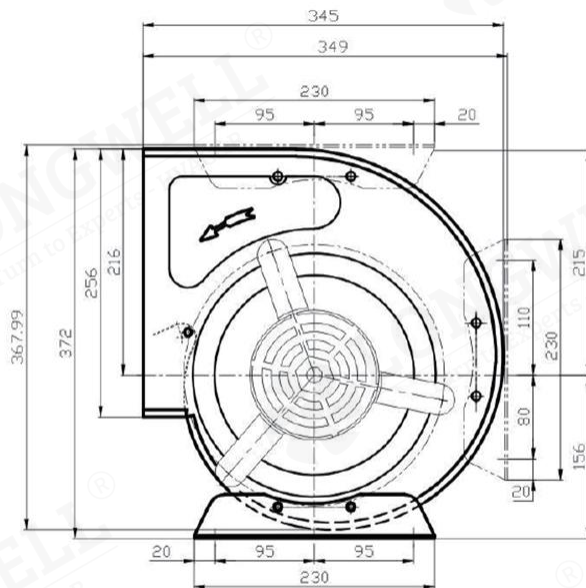
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 49.3 | 48.6 | 48.8 | 49.8 | 49.8 | 51.3 | 51.8 |
| 125 Hz         | 55.5 | 54.8 | 55.0 | 56.0 | 56.0 | 57.5 | 58.0 |
| 250 Hz         | 62.5 | 62.3 | 63.6 | 64.0 | 64.2 | 64.7 | 65.6 |
| 500 Hz         | 60.6 | 60.4 | 61.7 | 63.9 | 64.2 | 64.0 | 65.7 |
| 1K Hz          | 68.9 | 68.5 | 67.7 | 67.9 | 67.8 | 67.3 | 69.0 |
| 2K Hz          | 63.1 | 63.5 | 63.6 | 64.6 | 65.5 | 66.7 | 69.4 |
| 4K Hz          | 58.7 | 59.8 | 60.9 | 62.5 | 64.4 | 66.5 | 70.2 |
| 8K Hz          | 56.7 | 56.9 | 57.2 | 58.0 | 58.9 | 60.4 | 63.0 |
| LwA dB(A)      | 71.6 | 71.4 | 71.5 | 72.3 | 72.8 | 73.3 | 75.7 |



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD8-8I 300W-4P | 220         | 50             | 3.7         | 13.5        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 55.9 | 55.3 | 53.9 | 54.2 | 54.9 | 54.4 | 52.6 |
| 125 Hz         | 62.1 | 61.5 | 60.1 | 60.4 | 61.1 | 60.6 | 58.8 |
| 250 Hz         | 69.2 | 67.2 | 67.9 | 68.5 | 68.5 | 67.4 | 61.8 |
| 500 Hz         | 65.6 | 64.9 | 64.8 | 64.3 | 65.3 | 65.7 | 65.8 |
| 1K Hz          | 67.4 | 68.0 | 68.4 | 69.1 | 69.8 | 70.6 | 69.8 |
| 2K Hz          | 66.6 | 67.2 | 67.8 | 68.6 | 69.3 | 70.0 | 70.3 |
| 4K Hz          | 66.4 | 67.3 | 68.0 | 69.0 | 70.0 | 70.9 | 70.8 |
| 8K Hz          | 61.0 | 61.5 | 61.9 | 62.9 | 63.1 | 64.0 | 63.3 |
| LwA dB(A)      | 74.7 | 74.5 | 74.9 | 75.6 | 76.2 | 76.7 | 76.1 |

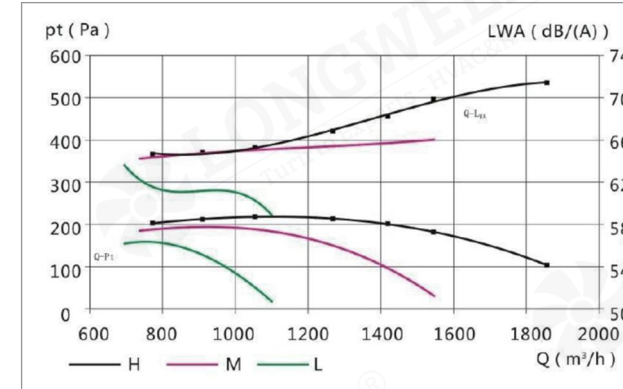
### Product Drawing



| Motor Power | 200W-6P | 300W-4P |
|-------------|---------|---------|
| L           | 85      | 80      |

## DD9-7I Series

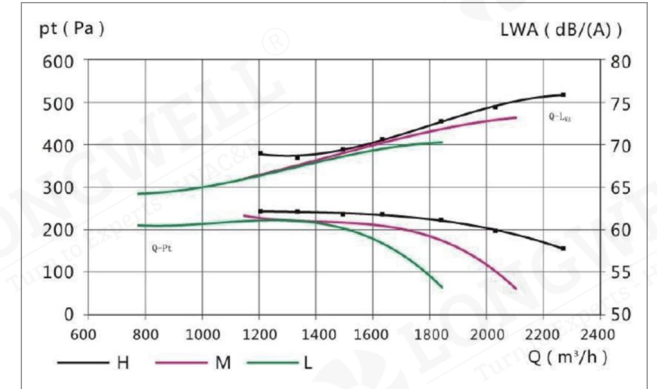
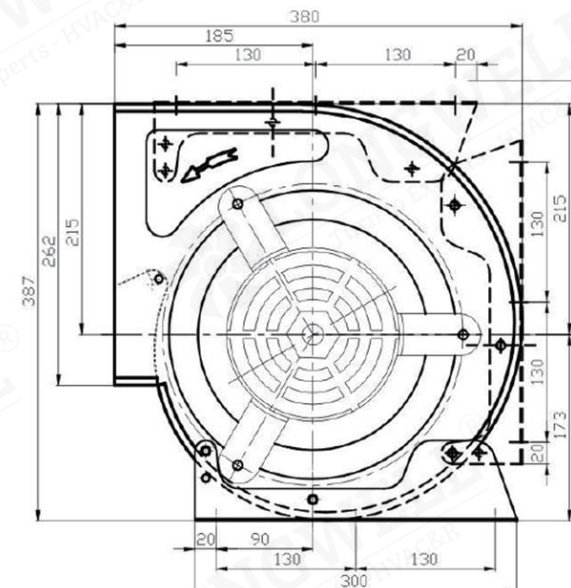
### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-7I 150W-6P | 220         | 50             | 1.4         | 12.9        | IP20             |

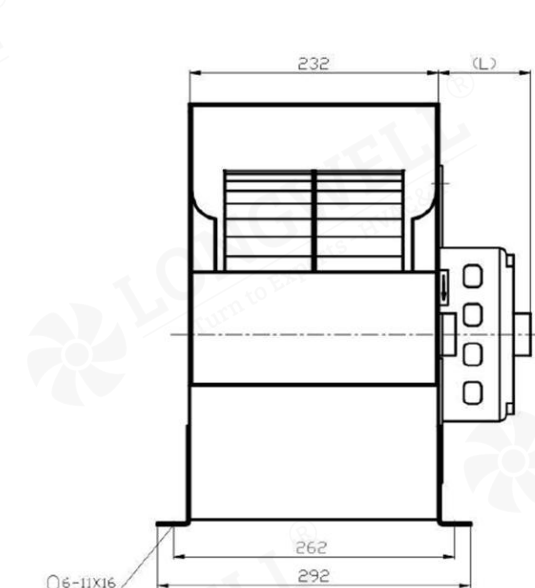
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 45.4 | 44.6 | 43.4 | 43.4 | 45.8 | 47.8 | 49.9 |
| 125 Hz         | 51.6 | 50.8 | 49.6 | 49.6 | 52.0 | 54.0 | 56.1 |
| 250 Hz         | 58.1 | 58.1 | 58.1 | 59.0 | 59.3 | 61.8 | 61.9 |
| 500 Hz         | 57.1 | 57.0 | 57.7 | 59.1 | 60.6 | 62.1 | 63.5 |
| 1K Hz          | 58.9 | 59.5 | 59.9 | 61.4 | 62.9 | 64.1 | 65.6 |
| 2K Hz          | 57.4 | 57.3 | 57.9 | 59.7 | 61.1 | 62.4 | 64.2 |
| 4K Hz          | 54.2 | 54.7 | 55.9 | 58.7 | 60.6 | 62.5 | 64.6 |
| 8K Hz          | 44.2 | 45.6 | 46.4 | 48.8 | 51.2 | 53.7 | 57.1 |
| LwA dB(A)      | 64.7 | 64.8 | 65.3 | 66.8 | 68.2 | 69.9 | 71.4 |

### Product Drawing



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-7I 250W-6P | 220         | 50             | 2.1         | 13.5        | IP20             |

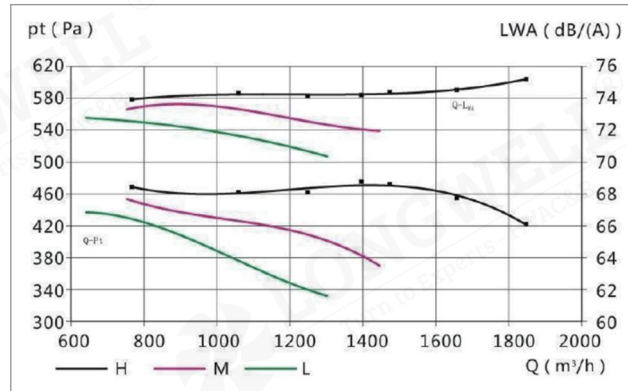
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 47.6 | 47.2 | 46.1 | 46.3 | 50.8 | 51.9 | 52.1 |
| 125 Hz         | 53.8 | 53.4 | 52.3 | 52.5 | 57.0 | 58.1 | 58.3 |
| 250 Hz         | 61.7 | 59.1 | 59.2 | 59.9 | 62.6 | 64.0 | 65.1 |
| 500 Hz         | 60.4 | 60.0 | 61.2 | 62.3 | 64.2 | 65.1 | 66.0 |
| 1K Hz          | 63.8 | 63.3 | 64.2 | 65.4 | 67.4 | 69.2 | 70.3 |
| 2K Hz          | 61.7 | 61.5 | 62.6 | 63.8 | 65.6 | 67.3 | 69.0 |
| 4K Hz          | 60.6 | 61.0 | 62.4 | 63.9 | 66.0 | 68.0 | 69.9 |
| 8K Hz          | 51.6 | 52.1 | 53.7 | 55.6 | 58.5 | 61.1 | 63.4 |
| LwA dB(A)      | 69.0 | 68.5 | 69.4 | 70.6 | 72.7 | 74.4 | 75.9 |



| Motor Power | 375W-4P | 375W-6P |
|-------------|---------|---------|
| L           | 90      | 90      |

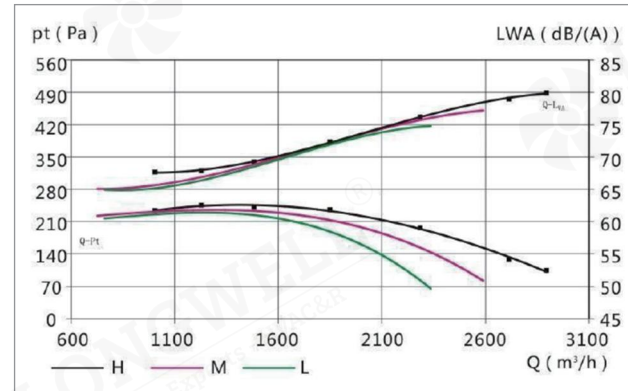
## DD9-7I Series

### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-7I 375W-4P | 220         | 50             | 3.0         | 14.9        | IP20             |

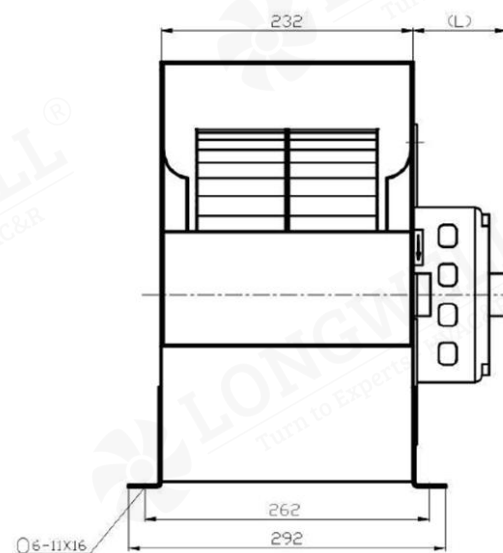
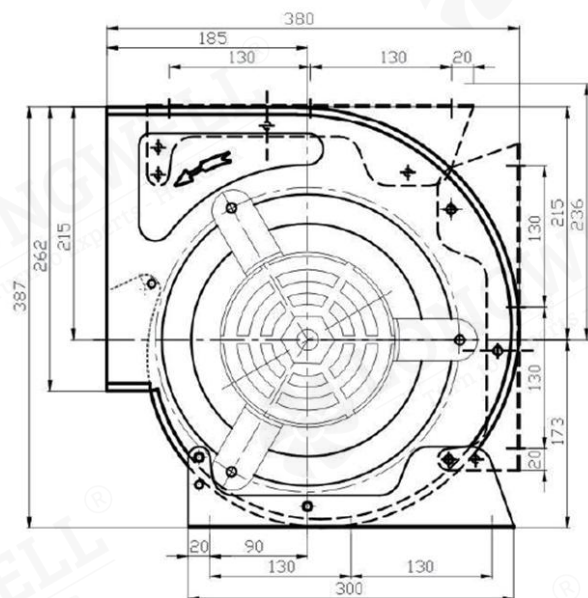
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 56.3 | 55.2 | 53.9 | 51.9 | 51.5 | 49.3 | 49.1 |
| 125 Hz         | 62.5 | 61.4 | 60.1 | 58.1 | 57.7 | 55.5 | 55.3 |
| 250 Hz         | 68.4 | 67.9 | 66.8 | 66.1 | 65.6 | 64.1 | 64.0 |
| 500 Hz         | 66.5 | 67.0 | 66.0 | 66.3 | 66.6 | 65.8 | 65.9 |
| 1K Hz          | 67.2 | 68.0 | 68.7 | 68.6 | 68.9 | 69.5 | 70.3 |
| 2K Hz          | 65.3 | 65.9 | 66.1 | 66.5 | 66.7 | 67.2 | 68.0 |
| 4K Hz          | 63.9 | 65.4 | 65.9 | 66.7 | 67.0 | 67.9 | 68.9 |
| 8K Hz          | 56.1 | 58.0 | 58.9 | 59.6 | 60.1 | 60.9 | 62.1 |
| LwA dB(A)      | 73.9 | 74.3 | 74.1 | 74.2 | 74.4 | 74.5 | 75.2 |



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-7I 375W-6P | 220         | 50             | 3.5         | 15.7        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 48.3 | 47.4 | 46.3 | 46.5 | 51.8 | 54.7 | 56.6 |
| 125 Hz         | 54.5 | 53.6 | 52.5 | 52.7 | 58.0 | 60.9 | 62.8 |
| 250 Hz         | 62.9 | 61.4 | 59.6 | 60.7 | 65.0 | 67.8 | 69.3 |
| 500 Hz         | 58.8 | 59.4 | 60.9 | 63.5 | 66.3 | 68.4 | 69.2 |
| 1K Hz          | 61.2 | 62.0 | 64.0 | 67.1 | 70.5 | 73.1 | 73.9 |
| 2K Hz          | 59.6 | 60.4 | 62.4 | 65.4 | 69.4 | 72.1 | 73.2 |
| 4K Hz          | 57.3 | 59.3 | 62.2 | 66.4 | 70.5 | 73.5 | 74.5 |
| 8K Hz          | 48.2 | 49.9 | 53.2 | 58.7 | 63.9 | 67.4 | 68.2 |
| LwA dB(A)      | 67.7 | 67.9 | 69.3 | 72.4 | 76.2 | 79.0 | 80.0 |

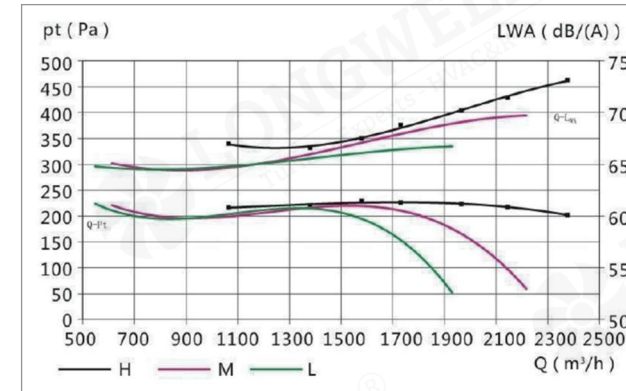
### Product Drawing



| Motor Power | 375W-4P | 375W-6P |
|-------------|---------|---------|
| L           | 90      | 90      |

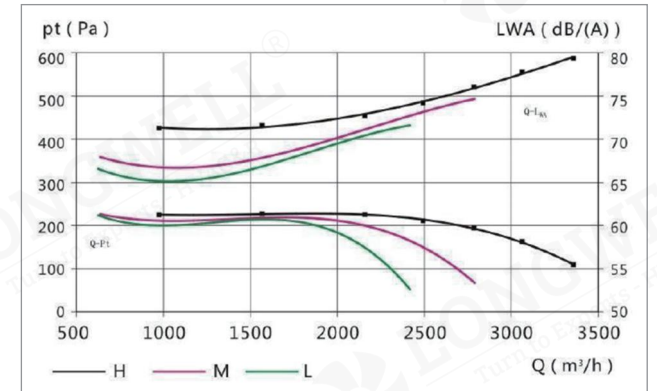
## DD9-9I Series

### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-9I 250W-6P | 220         | 50             | 2.1         | 14.1        | IP20             |

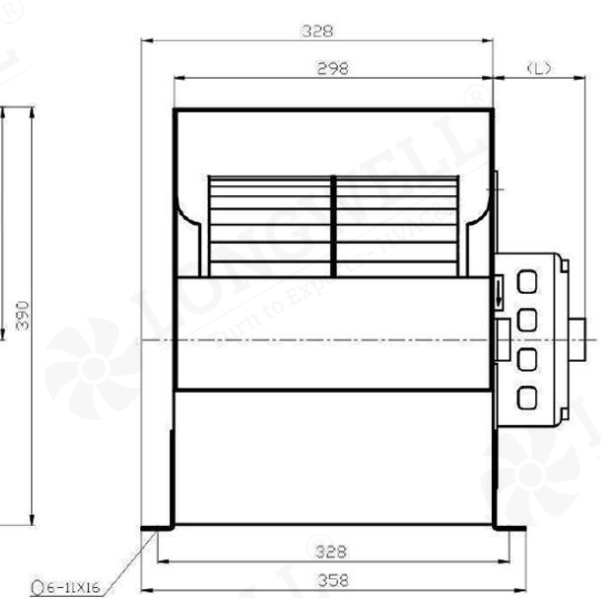
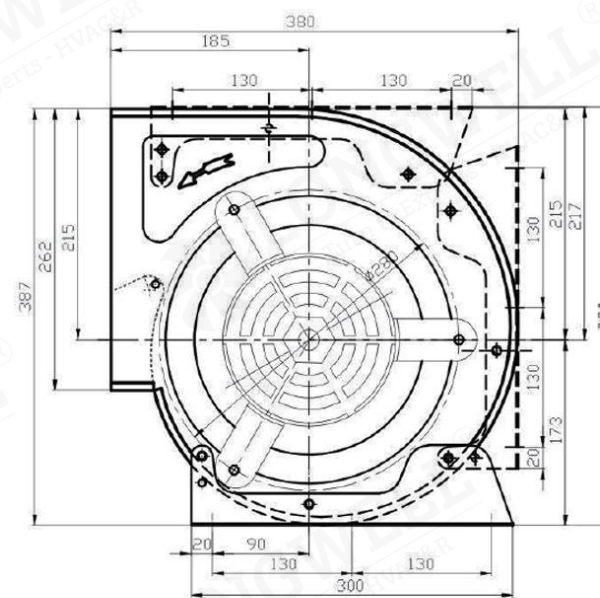
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 49.7 | 47.5 | 46.8 | 47.6 | 47.2 | 47.7 | 50.9 |
| 125 Hz         | 55.9 | 53.7 | 53.0 | 53.8 | 53.4 | 53.9 | 57.1 |
| 250 Hz         | 61.3 | 58.9 | 59.2 | 59.9 | 59.9 | 60.8 | 61.9 |
| 500 Hz         | 58.0 | 57.4 | 58.7 | 61.5 | 61.5 | 62.6 | 64.2 |
| 1K Hz          | 61.5 | 61.6 | 62.3 | 64.8 | 64.8 | 66.0 | 67.4 |
| 2K Hz          | 59.0 | 59.9 | 61.1 | 63.7 | 63.7 | 64.8 | 66.6 |
| 4K Hz          | 55.6 | 57.1 | 59.1 | 63.5 | 63.5 | 62.0 | 67.0 |
| 8K Hz          | 47.8 | 47.9 | 49.2 | 53.6 | 53.6 | 56.0 | 59.1 |
| LwA dB(A)      | 67.0 | 66.6 | 67.5 | 70.2 | 70.2 | 71.4 | 73.1 |



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-9I 375W-6P | 220         | 50             | 3.5         | 16.6        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 50.6 | 47.4 | 49.6 | 53.0 | 52.7 | 53.6 | 54.7 |
| 125 Hz         | 56.8 | 53.6 | 55.8 | 59.2 | 58.9 | 59.8 | 60.9 |
| 250 Hz         | 68.9 | 68.0 | 64.4 | 63.6 | 64.8 | 65.9 | 67.9 |
| 500 Hz         | 60.6 | 59.4 | 63.7 | 65.2 | 66.6 | 68.1 | 69.2 |
| 1K Hz          | 63.7 | 65.2 | 67.4 | 68.9 | 70.5 | 72.0 | 73.2 |
| 2K Hz          | 60.5 | 64.0 | 65.6 | 67.4 | 69.5 | 71.5 | 73.2 |
| 4K Hz          | 57.7 | 60.4 | 65.7 | 67.7 | 70.0 | 72.0 | 73.9 |
| 8K Hz          | 47.3 | 49.3 | 56.0 | 59.3 | 62.3 | 64.5 | 66.5 |
| LwA dB(A)      | 71.3 | 71.6 | 69.4 | 74.2 | 76.2 | 77.8 | 79.4 |

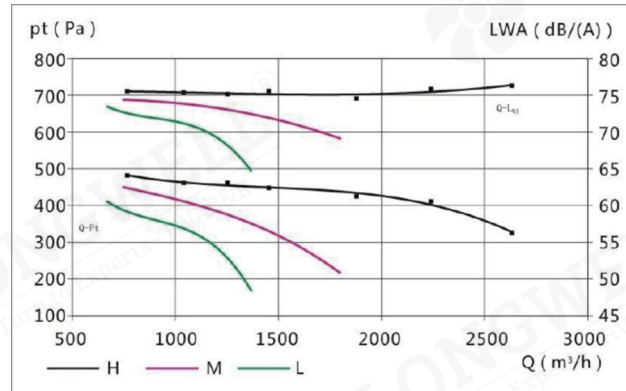
### Product Drawing



| Motor Power | 250W-6P | 375W-6P |
|-------------|---------|---------|
| L           | 90      | 90      |

## DD9-9I Series

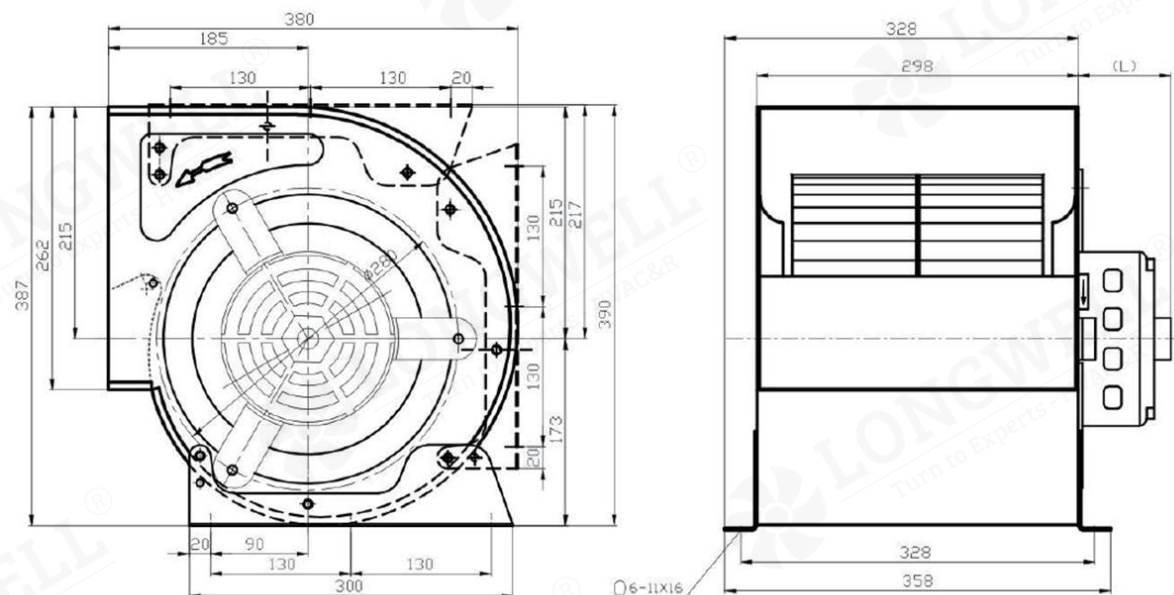
### Technical Specifications



| Model          | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|----------------|-------------|----------------|-------------|-------------|------------------|
| DD9-9I 450W-4P | 220         | 50             | 5.0         | 16.8        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 58.3 | 58.8 | 57.4 | 57.4 | 53.7 | 52.7 | 52.3 |
| 125 Hz         | 64.5 | 65.0 | 63.6 | 63.6 | 59.9 | 58.9 | 58.5 |
| 250 Hz         | 70.7 | 70.8 | 70.1 | 70.0 | 67.4 | 67.1 | 65.8 |
| 500 Hz         | 66.4 | 66.0 | 65.5 | 66.0 | 64.6 | 66.2 | 66.7 |
| 1K Hz          | 68.8 | 68.3 | 68.7 | 69.4 | 69.0 | 70.6 | 71.0 |
| 2K Hz          | 67.1 | 66.7 | 67.2 | 67.9 | 67.8 | 69.3 | 69.7 |
| 4K Hz          | 65.4 | 65.0 | 65.1 | 66.2 | 66.7 | 68.6 | 69.9 |
| 8K Hz          | 57.3 | 56.8 | 56.9 | 58.0 | 58.4 | 60.2 | 62.2 |
| LwA dB(A)      | 75.5 | 75.3 | 75.1 | 75.6 | 74.6 | 75.8 | 76.3 |

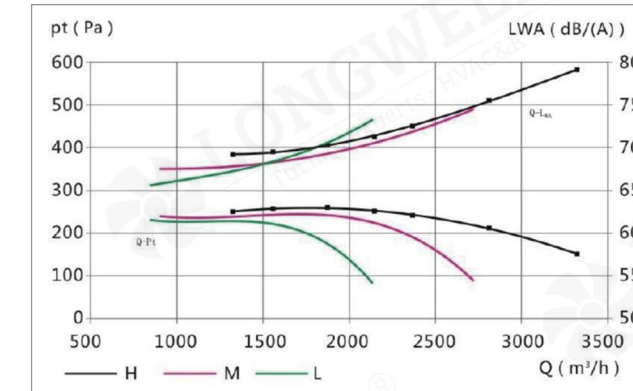
### Product Drawing



|             |         |
|-------------|---------|
| Motor Power | 450W-4P |
| L           | 95      |

## DD10-8I Series

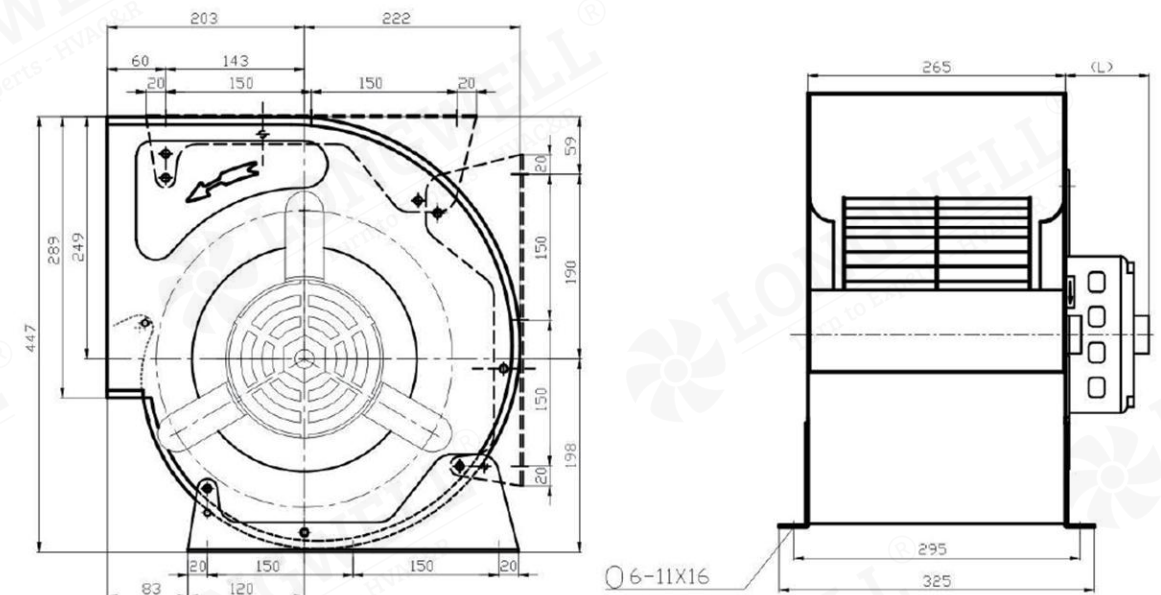
### Technical Specifications



| Model           | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|-----------------|-------------|----------------|-------------|-------------|------------------|
| DD10-8I 375W-6P | 220         | 50             | 3.5         | 17.1        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 55.4 | 54.9 | 53.3 | 52.0 | 51.4 | 52.4 | 53.8 |
| 125 Hz         | 61.6 | 61.1 | 59.5 | 58.2 | 57.6 | 58.6 | 60.0 |
| 250 Hz         | 62.1 | 61.5 | 62.3 | 61.7 | 62.9 | 64.1 | 65.6 |
| 500 Hz         | 60.4 | 60.8 | 61.4 | 62.1 | 63.3 | 65.8 | 68.6 |
| 1K Hz          | 63.0 | 63.8 | 64.9 | 66.0 | 67.0 | 70.0 | 73.3 |
| 2K Hz          | 61.0 | 61.8 | 63.1 | 64.5 | 66.0 | 69.4 | 73.6 |
| 4K Hz          | 59.0 | 60.2 | 62.2 | 64.1 | 65.7 | 69.3 | 73.2 |
| 8K Hz          | 48.6 | 49.7 | 52.1 | 54.5 | 56.6 | 61.3 | 65.7 |
| LwA dB(A)      | 69.2 | 69.5 | 70.4 | 71.3 | 72.5 | 75.5 | 79.1 |

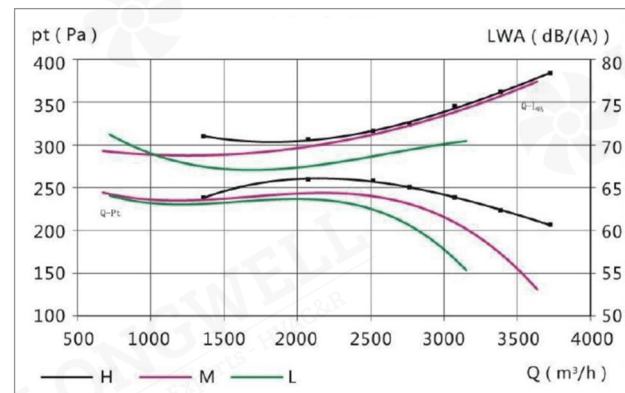
### Product Drawing



|             |         |         |
|-------------|---------|---------|
| Motor Power | 375W-6P | 550W-4P |
| L           | 90      | 105     |

## DD10-10I Series

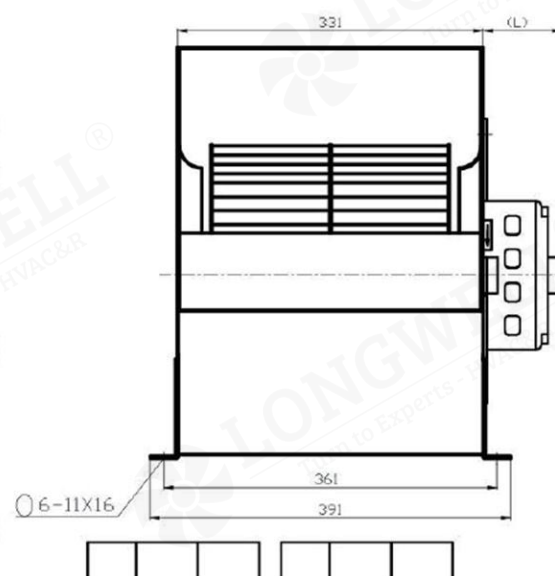
## Technical Specifications



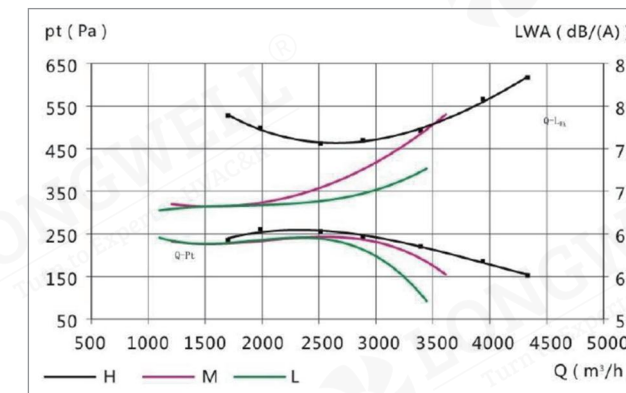
| Model            | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|------------------|-------------|----------------|-------------|-------------|------------------|
| DD10-10I 450W-6P | 220         | 50             | 3.5         | 18.3        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 58.6 | 57.7 | 57.4 | 55.2 | 54.7 | 52.7 | 52.0 |
| 125 Hz         | 64.8 | 63.9 | 63.6 | 61.4 | 60.9 | 58.9 | 58.2 |
| 250 Hz         | 72.6 | 71.8 | 71.8 | 69.2 | 67.5 | 67.4 | 67.1 |
| 500 Hz         | 68.0 | 66.8 | 66.5 | 65.1 | 65.1 | 65.6 | 66.1 |
| 1K Hz          | 70.3 | 70.1 | 70.1 | 70.0 | 70.0 | 70.4 | 70.3 |
| 2K Hz          | 70.3 | 69.6 | 69.5 | 69.5 | 69.5 | 69.7 | 70.0 |
| 4K Hz          | 68.5 | 68.3 | 68.4 | 68.5 | 68.5 | 67.0 | 68.8 |
| 8K Hz          | 61.9 | 62.1 | 62.2 | 62.1 | 62.2 | 62.8 | 69.9 |
| LwA dB(A)      | 77.6 | 77.0 | 76.9 | 76.0 | 75.8 | 75.7 | 76.6 |

## Product Drawing

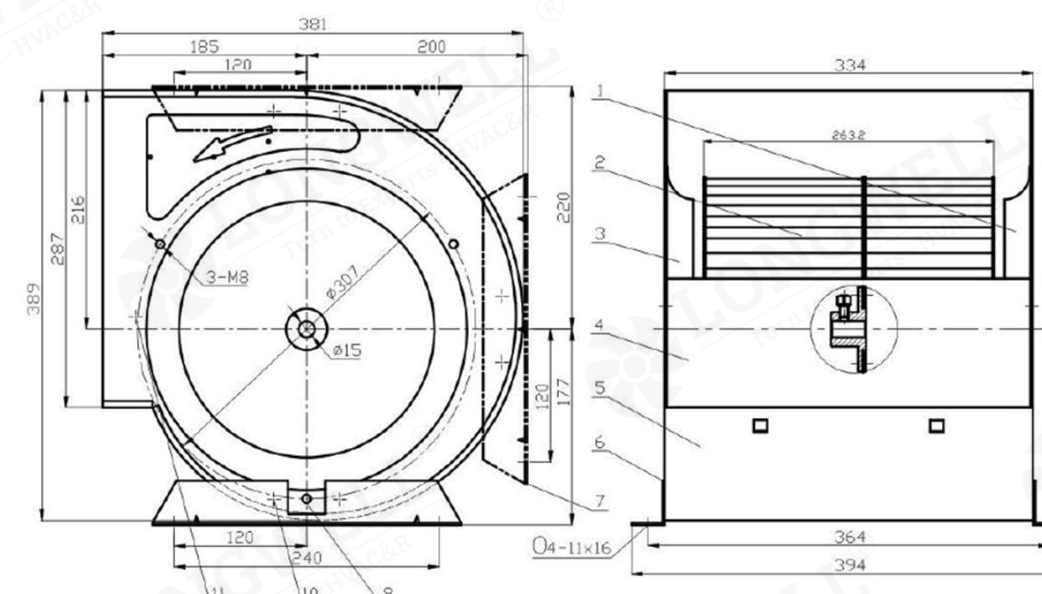


|             |         |         |
|-------------|---------|---------|
| Motor Power | 450W-6P | 550W-4P |
| L           | 105     | 105     |



| Model            | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|------------------|-------------|----------------|-------------|-------------|------------------|
| DD10-10  550W-6P | 220         | 50             | 4.7         | 18.3        | IP20             |

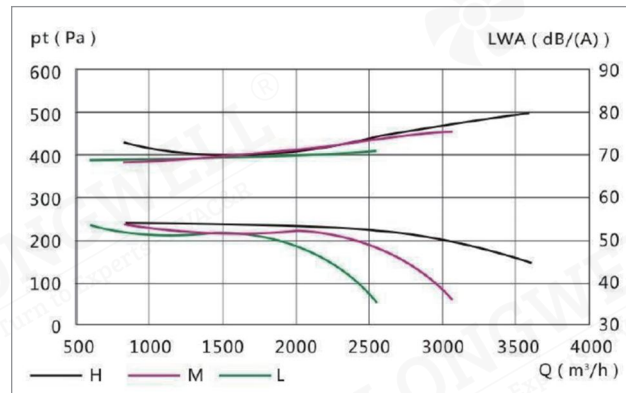
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 59.3 | 59.3 | 55.0 | 56.5 | 55.4 | 58.2 | 62.5 |
| 125 Hz         | 65.5 | 65.5 | 61.2 | 62.7 | 61.6 | 64.4 | 68.8 |
| 250 Hz         | 65.1 | 64.2 | 63.7 | 63.4 | 66.5 | 69.3 | 71.5 |
| 500 Hz         | 64.4 | 63.9 | 70.2 | 63.6 | 66.5 | 69.6 | 72.5 |
| 1K Hz          | 75.1 | 72.3 | 69.1 | 71.6 | 71.9 | 75.8 | 77.5 |
| 2K Hz          | 68.5 | 68.4 | 66.8 | 66.8 | 70.7 | 74.0 | 76.5 |
| 4K Hz          | 71.5 | 70.8 | 67.1 | 68.9 | 69.7 | 73.8 | 76.5 |
| 8K Hz          | 71.6 | 70.5 | 66.4 | 68.1 | 65.9 | 71.0 | 74.0 |
| LWA dB(A)      | 78.9 | 77.4 | 75.6 | 76.0 | 77.1 | 80.8 | 83.5 |



|             |         |         |
|-------------|---------|---------|
| Motor Power | 450W-6P | 550W-4P |
| L           | 105     | 105     |

## DD10-10II Series

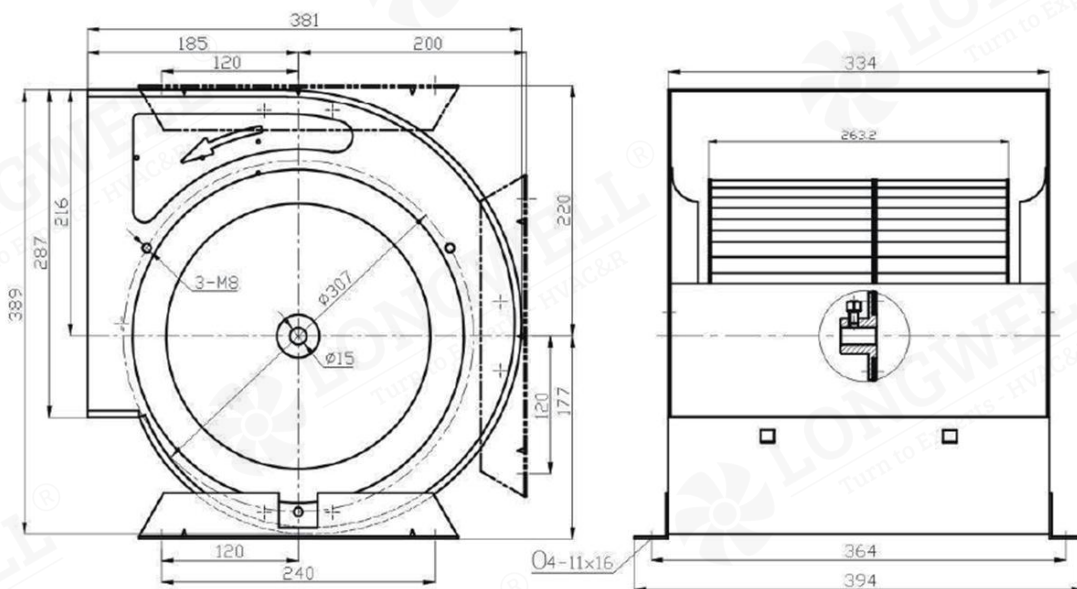
### Technical Specifications



| Model             | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|-------------------|-------------|----------------|-------------|-------------|------------------|
| DD10-10II 375W-6P | 220         | 50             | 3.0         | 16.5        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |      |      |      |  |  |
|----------------|------|------|------|------|------|------|------|------|------|------|--|--|
| 63 Hz          | 55.6 | 50.3 | 50.0 | 49.3 | 49.4 | 49.2 | 50.2 | 50.6 | 51.3 | 53.3 |  |  |
| 125 Hz         | 61.8 | 56.5 | 56.2 | 55.5 | 55.6 | 55.4 | 56.4 | 56.8 | 57.5 | 59.5 |  |  |
| 250 Hz         | 69.1 | 64.6 | 64.6 | 64.9 | 63.4 | 63.4 | 64.5 | 65.3 | 66.5 | 68.3 |  |  |
| 500 Hz         | 64.5 | 59.9 | 60.2 | 60.5 | 61.2 | 63.1 | 64.4 | 65.6 | 67.0 | 68.8 |  |  |
| 1K Hz          | 66.1 | 62.1 | 62.5 | 63.7 | 65.7 | 67.5 | 69.1 | 71.0 | 72.0 | 73.6 |  |  |
| 2K Hz          | 63.7 | 61.9 | 61.8 | 63.8 | 64.7 | 66.7 | 68.8 | 70.7 | 72.6 | 74.6 |  |  |
| 4K Hz          | 62.5 | 59.1 | 59.5 | 61.4 | 62.7 | 65.1 | 67.5 | 69.5 | 71.6 | 74.2 |  |  |
| 8K Hz          | 53.8 | 49.5 | 50.6 | 52.1 | 54.6 | 57.1 | 59.7 | 61.4 | 63.4 | 65.6 |  |  |
| LwA dB(A)      | 73.2 | 69.3 | 69.4 | 70.3 | 71.0 | 72.7 | 74.5 | 76.2 | 77.8 | 79.9 |  |  |

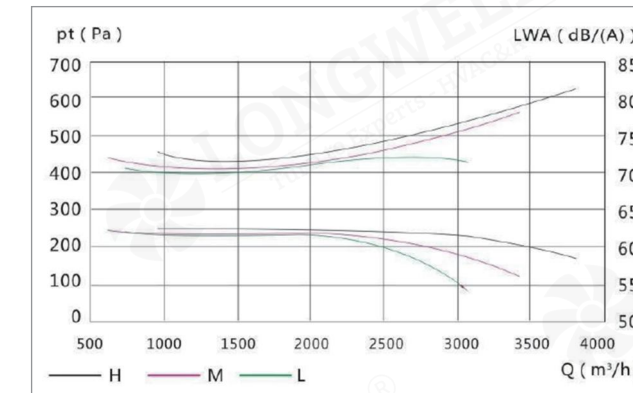
### Product Drawing



| Motor Power | 550W-6P | 750W-6P |
|-------------|---------|---------|
| L           | 105     | 125     |

## DD10-10II Series

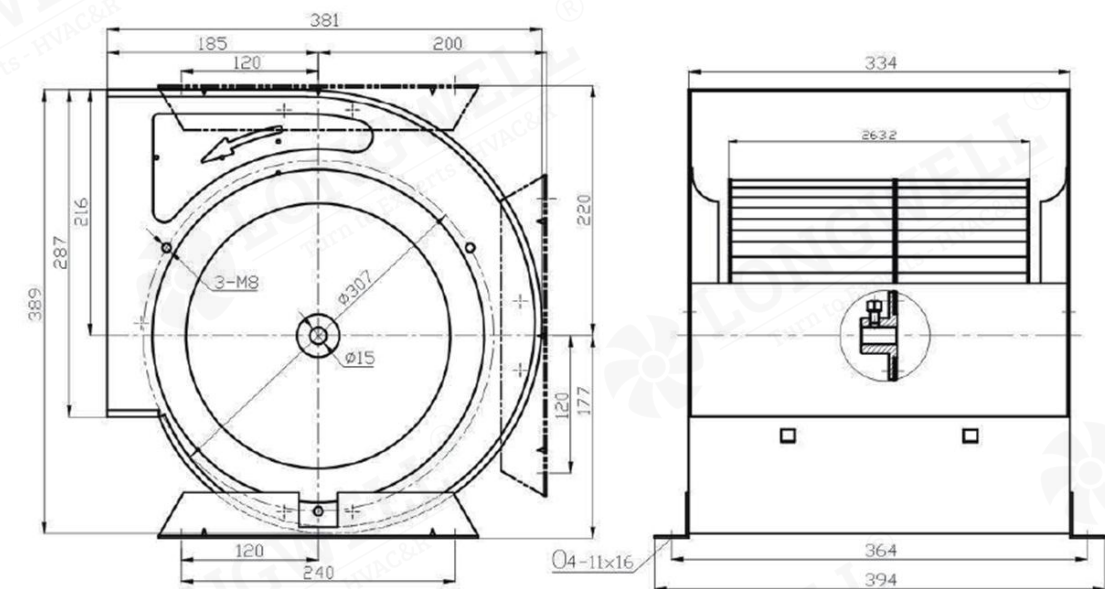
### Technical Specifications



| Model             | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|-------------------|-------------|----------------|-------------|-------------|------------------|
| DD10-10II 450W-6P | 220         | 50             | 3.6         | 17.25       | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |      |      |      |  |  |
|----------------|------|------|------|------|------|------|------|------|------|------|--|--|
| 63 Hz          | 48.6 | 48.5 | 46.8 | 46.6 | 46.5 | 49.8 | 50.3 | 51.8 | 53.4 | 53.8 |  |  |
| 125 Hz         | 54.8 | 54.7 | 53.0 | 52.8 | 52.7 | 56.0 | 56.5 | 58.0 | 59.6 | 60.0 |  |  |
| 250 Hz         | 71.3 | 71.7 | 71.0 | 70.3 | 68.8 | 63.4 | 69.0 | 67.4 | 69.4 | 66.8 |  |  |
| 500 Hz         | 57.3 | 57.5 | 55.9 | 57.5 | 59.9 | 63.9 | 65.4 | 67.0 | 68.9 | 69.2 |  |  |
| 1K Hz          | 59.5 | 60.1 | 59.7 | 62.4 | 64.6 | 68.8 | 71.1 | 73.0 | 75.1 | 75.2 |  |  |
| 2K Hz          | 57.2 | 58.0 | 58.3 | 61.3 | 64.3 | 68.6 | 70.5 | 72.6 | 74.9 | 75.3 |  |  |
| 4K Hz          | 53.7 | 54.7 | 55.4 | 59.1 | 62.3 | 67.0 | 69.2 | 71.8 | 74.8 | 75.3 |  |  |
| 8K Hz          | 43.7 | 45.2 | 46.8 | 51.0 | 54.4 | 58.8 | 61.3 | 63.7 | 71.2 | 66.9 |  |  |
| LwA dB(A)      | 72.1 | 72.5 | 71.8 | 71.9 | 72.1 | 74.1 | 76.6 | 78.3 | 80.9 | 80.8 |  |  |

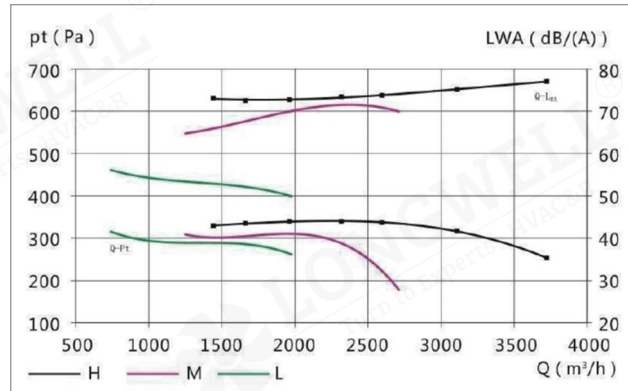
### Product Drawing



| Motor Power | 550W-6P | 750W-6P |
|-------------|---------|---------|
| L           | 105     | 125     |

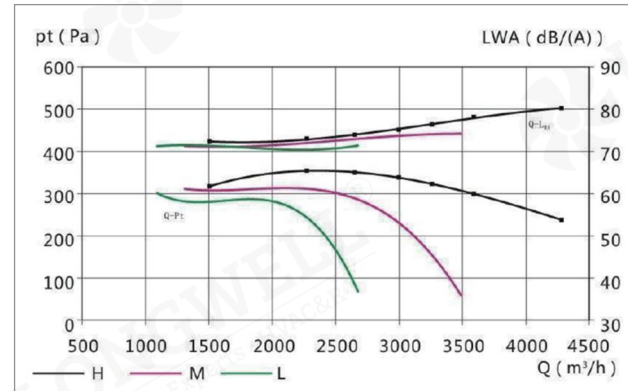
## DD12-9I Series

### Technical Specifications



| Model           | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|-----------------|-------------|----------------|-------------|-------------|------------------|
| DD12-9I 550W-6P | 220         | 50             | 4.7         | 22.4        | IP20             |

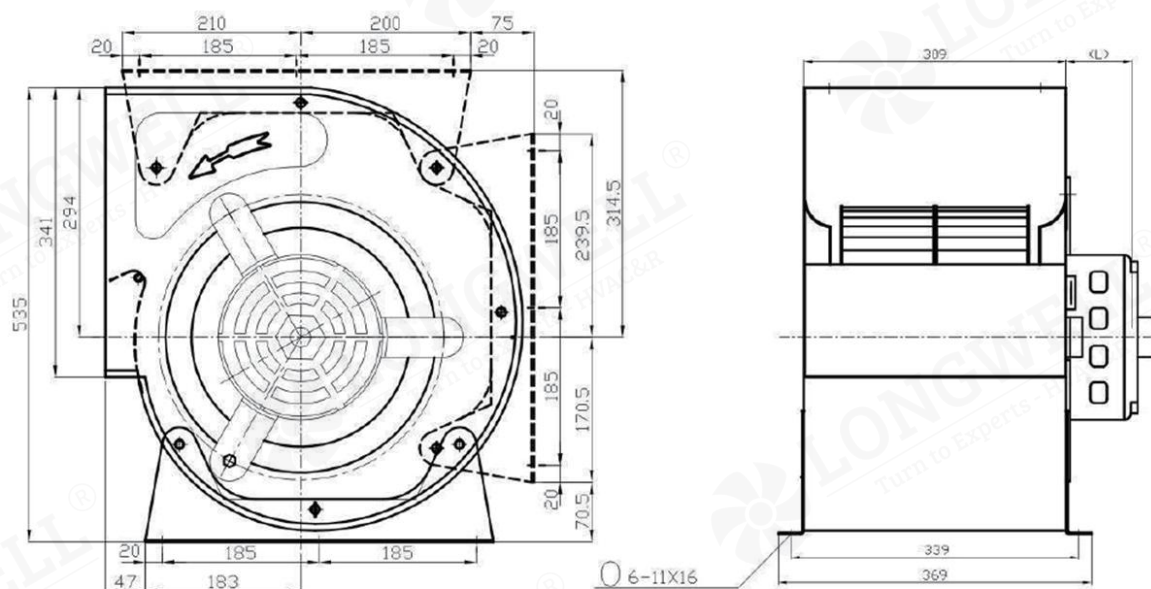
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 54.2 | 54.0 | 54.9 | 55.2 | 54.7 | 53.9 | 55.9 |
| 125 Hz         | 60.4 | 60.2 | 61.1 | 61.4 | 60.9 | 60.1 | 62.1 |
| 250 Hz         | 69.2 | 67.4 | 66.5 | 67.2 | 66.2 | 65.1 | 65.0 |
| 500 Hz         | 64.3 | 64.0 | 64.3 | 65.2 | 66.0 | 68.1 | 69.2 |
| 1K Hz          | 66.2 | 66.4 | 66.9 | 67.5 | 68.0 | 69.6 | 71.3 |
| 2K Hz          | 63.3 | 63.7 | 64.5 | 65.4 | 66.2 | 67.9 | 70.2 |
| 4K Hz          | 62.0 | 62.7 | 63.5 | 64.4 | 65.3 | 67.8 | 70.6 |
| 8K Hz          | 52.2 | 52.6 | 53.1 | 53.7 | 54.6 | 57.0 | 61.9 |
| LwA dB(A)      | 73.0 | 72.5 | 72.7 | 73.4 | 73.7 | 75.1 | 77.0 |



| Model           | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|-----------------|-------------|----------------|-------------|-------------|------------------|
| DD12-9I 750W-6P | 220         | 50             | 5.4         | 22.8        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 55.2 | 55.5 | 55.6 | 55.8 | 59.1 | 55.7 | 55.7 |
| 125 Hz         | 61.4 | 61.7 | 61.8 | 62.0 | 65.3 | 61.9 | 61.9 |
| 250 Hz         | 65.8 | 65.7 | 66.5 | 66.9 | 67.6 | 70.3 | 69.5 |
| 500 Hz         | 64.9 | 65.2 | 66.1 | 67.6 | 68.8 | 70.4 | 71.6 |
| 1K Hz          | 66.9 | 67.6 | 68.4 | 69.9 | 71.0 | 73.1 | 75.7 |
| 2K Hz          | 63.4 | 64.8 | 65.8 | 67.1 | 68.3 | 70.3 | 73.0 |
| 4K Hz          | 61.9 | 63.8 | 65.1 | 66.6 | 67.9 | 69.6 | 72.7 |
| 8K Hz          | 52.2 | 54.6 | 56.3 | 58.3 | 59.8 | 61.5 | 64.9 |
| LwA dB(A)      | 72.3 | 73.0 | 73.9 | 75.1 | 76.3 | 78.1 | 80.0 |

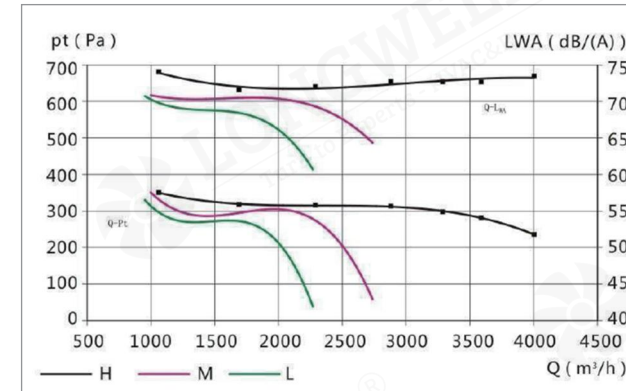
### Product Drawing



| Motor Power | 550W-6P | 750W-6P |
|-------------|---------|---------|
| L           | 105     | 125     |

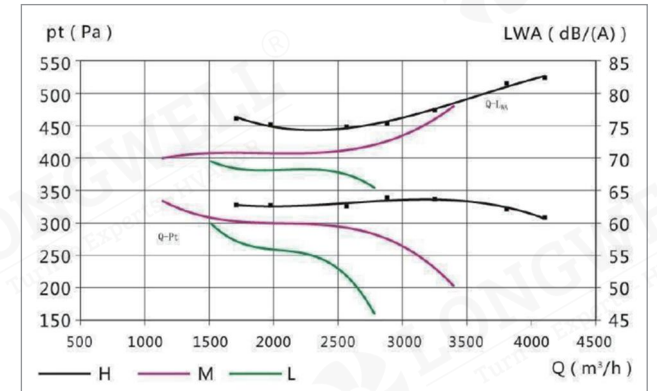
## DD12-12I Series

### Technical Specifications



| Model            | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|------------------|-------------|----------------|-------------|-------------|------------------|
| DD12-12I 550W-6P | 220         | 50             | 4.7         | 24          | IP20             |

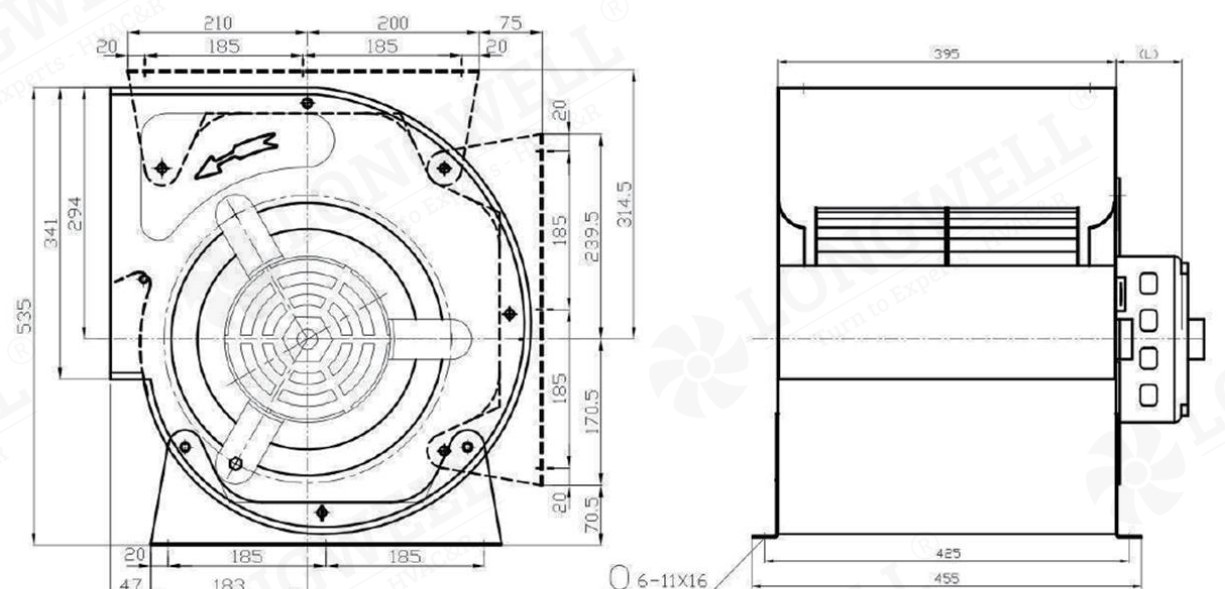
| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 54.6 | 55.3 | 55.0 | 55.1 | 55.2 | 55.2 | 54.5 |
| 125 Hz         | 60.8 | 61.5 | 61.2 | 61.3 | 61.4 | 61.4 | 60.7 |
| 250 Hz         | 71.1 | 65.2 | 66.9 | 66.2 | 66.2 | 63.6 | 63.5 |
| 500 Hz         | 65.2 | 64.3 | 63.8 | 64.7 | 65.2 | 65.7 | 66.4 |
| 1K Hz          | 65.7 | 65.4 | 65.4 | 66.4 | 66.4 | 66.7 | 67.5 |
| 2K Hz          | 63.9 | 63.0 | 63.5 | 65.2 | 64.8 | 65.5 | 66.8 |
| 4K Hz          | 62.2 | 61.0 | 61.8 | 63.5 | 63.1 | 63.9 | 65.4 |
| 8K Hz          | 53.5 | 52.1 | 52.5 | 53.8 | 54.2 | 55.1 | 57.8 |
| LwA dB(A)      | 74.0 | 71.6 | 72.0 | 72.7 | 72.7 | 72.6 | 73.5 |



| Model            | Voltage (V) | Frequency (Hz) | Current (A) | Weight (kg) | Protection Class |
|------------------|-------------|----------------|-------------|-------------|------------------|
| DD12-12I 750W-6P | 220         | 50             | 5.4         | 24.8        | IP20             |

| 1/1 Octave (H) |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|
| 63 Hz          | 56.4 | 55.7 | 55.0 | 55.8 | 57.3 | 56.1 | 57.5 |
| 125 Hz         | 62.6 | 61.9 | 61.2 | 62.0 | 63.5 | 62.3 | 63.7 |
| 250 Hz         | 68.1 | 66.8 | 71.7 | 72.5 | 75.2 | 81.2 | 82.0 |
| 500 Hz         | 68.0 | 67.3 | 65.2 | 65.3 | 67.2 | 64.2 | 67.0 |
| 1K Hz          | 69.0 | 68.3 | 66.2 | 66.4 | 67.8 | 63.6 | 65.1 |
| 2K Hz          | 69.6 | 68.5 | 65.5 | 65.6 | 66.8 | 61.8 | 63.2 |
| 4K Hz          | 68.5 | 67.3 | 64.3 | 64.3 | 65.2 | 59.6 | 61.3 |
| 8K Hz          | 63.5 | 62.4 | 56.6 | 55.7 | 56.9 | 51.6 | 53.7 |
| LwA dB(A)      | 76.1 | 75.1 | 74.8 | 75.3 | 77.4 | 81.5 | 82.4 |

### Product Drawing



| Motor Power | 550W-6P | 750W-6P |
|-------------|---------|---------|
| L           | 105     | 125     |