J03 · RESIDENTIAL BATHROOM FANS

# AS-FANCY

## Residential Wall and Ceiling Ventilation Fans




AS-FANCY ventilation fans are exhaust fans for wall and ceiling applications in bathrooms. They are suitable for connection to ventilation ducts or air ducts and are characterized by low energy consumption.

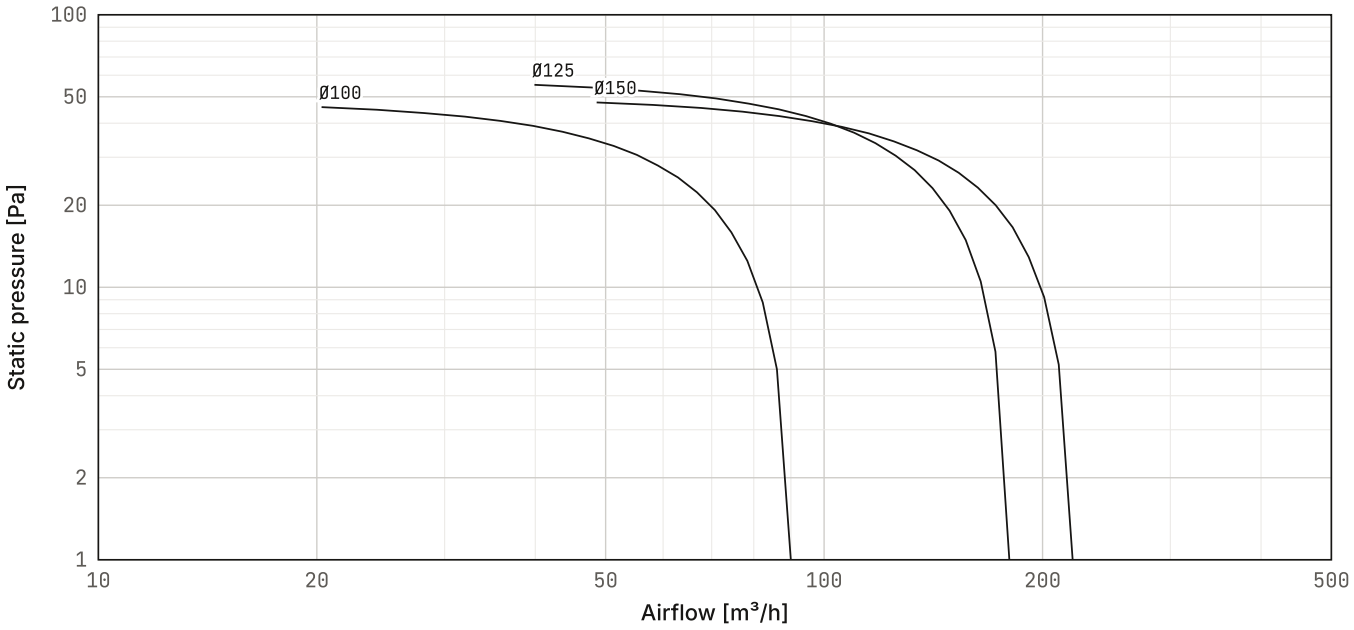
The fans have a round flange connection and are available in Ø100, Ø125 and Ø150 mm sizes, with a plastic impeller. They can be mounted on the wall or on the ceiling, with horizontal or vertical air discharge.

The low-noise ball bearing motors offer a long service life of up to 40,000 hours. The direct-drive fans use 2-pole synchronous motors with class F insulation and IP44 protection, totally enclosed fan-cooled (TEFC) and rated for S1 and S2 duty. Supply is 230 V single-phase; versions for 50 Hz and 60 Hz are available. The motors are outside the scope of IE efficiency classification. Operating air temperature: −20 °C to +40 °C. Standard: IEC CB 60335-2-80.

| AIRFLOW UP TO | STATIC PRESSURE UP TO | IMPELLER Ø | MOTOR POWER |
|---|---|---|---|
| 220 m³/h | 58 Pa | 100 – 150 mm | 0.01 – 0.02 kW |
| **SPEED** | **SUPPLY** | **TEMPERATURE CLASS** | **MOTOR** |
| 2,000 min⁻¹ | 230 V 1~ · 50 Hz | 40°C | IP44 · F |

## Selection chart

50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



## Technical data 50 Hz

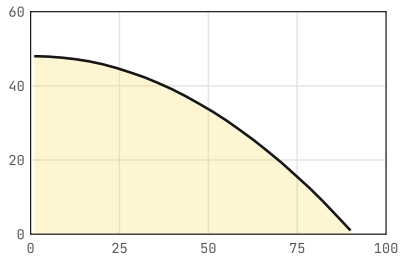
| Model | Ø [mm] | Motor [kW] | Speed [min⁻¹] | Supply | I [A] | Max. airflow [m³/h] | Max. pressure [Pa] | LpA 1 m [dB(A)] |
|---|---|---|---|---|---|---|---|---|
| AS-FANCY 100 | 100 | 0.01 | 2,000 | 230 V 1~ | 0.0 | 90 | 48 | 25 |
| AS-FANCY 125 | 125 | 0.01 | 2,000 | 230 V 1~ | 0.1 | 180 | 58 | 30 |
| AS-FANCY 150 | 150 | 0.02 | 2,000 | 230 V 1~ | 0.1 | 220 | 50 | 33 |

## Dimensions [mm]

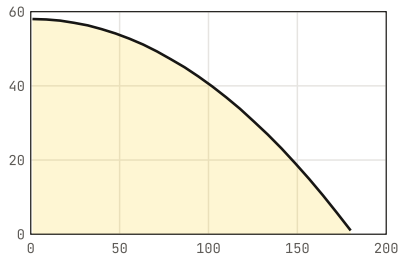
| Model | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| AS-FANCY 100 | 155 | 135 | 70 | 31 | 100 | 7 |
| AS-FANCY 125 | 175 | 155 | 78 | 32 | 125 | 9 |
| AS-FANCY 150 | 205 | 184 | 108 | 37 | 150 | 0 |

## Performance curves Static pressure [Pa] vs airflow [m³/h], standard motor, 1.204 kg/m³.

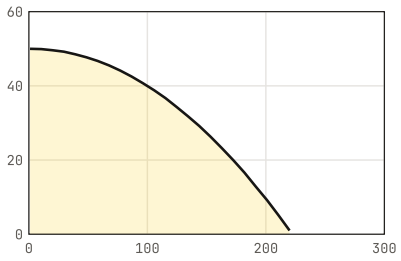
AS-FANCY 100 2,000 min⁻¹ · 0.01 kW




AS-FANCY 125 2,000 min⁻¹ · 0.01 kW




AS-FANCY 150 2,000 min⁻¹ · 0.02 kW




## Sound power level Lw [dB] per octave band casing radiated · 63–8000 Hz

| Model | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Total | LpA 1 m [dB(A)] |
|---|---|---|---|---|---|---|---|---|---|---|
| AS-FANCY 100 | 11 | 22 | 37 | 36 | 37 | 35 | 32 | 27 | **43** | 25 |
| AS-FANCY 125 | 16 | 27 | 42 | 41 | 42 | 40 | 37 | 32 | **48** | 30 |
| AS-FANCY 150 | 19 | 30 | 45 | 44 | 45 | 43 | 40 | 35 | **51** | 33 |

**Notes**

Sound pressure level at 1 m (free field) from the AEROMIS product database.
3 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.