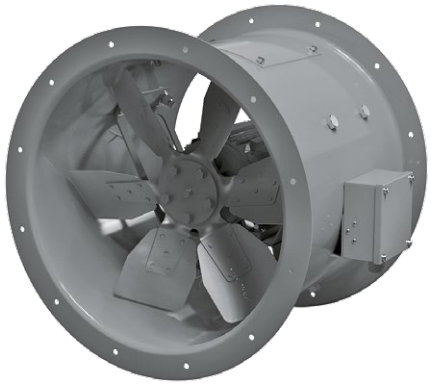
# Axis-FP ...ST

## Axial smoke exhaust fan with steel impellers



### Use

- The fans are designed to simultaneously exhaust smoke generated during a fire, and remove heat out of the premise or building. Used in for continuous operation in general ventilation systems.
- The fans are used for continuous operation at ambient temperatures ranging from -60 °C up to +50 °C (based on the climatic category, see designation key); at the temperature of 400 °C in smoke exhaust mode – up to 2 hours.
- Fans with a fire resistance rating of 200 °C/2 hours and 300 °C/2 hours can be made on request. Technical data for the 200 °C/2 hours and 300 °C/2 rated fans are fully identical to those rated 400 °C/2 hours.

**Air flow:**
up to 33 000 m³/h

**Transported air temperature:**
400 °C/2 hours

### Design

- The fan has a metal casing with rolled flanges, which ensures high rigidity and minimal clearance between the casing and the impeller.
- There is an inspection hatch provided for comfortable maintenance. All fan's components are polymercoated, which ensures its durability if exposed to atmospheric conditions.

### Motor

- The fans are equipped with three-phase motors rated for 400 V, 50 Hz. Depending on the model, single-speed or two-speed motors are used.
- Single-speed fans are equipped with 2-, 4- or 6-pole motors.
- Two-speed fans are equipped with 2/4-, 4/6- or 4/8-pole motors.

### Impeller

- The impeller can have 6 or 8 blades at an angle ranging from 10° to 40°, which allows the fan to be selected as close as possible to the specified point of operation.
- The blades are made of steel.
- The special shape of the blades ensures high efficiency while generating minimum noise.

## Designation key

Casing | Motor | Impeller | Modification

**Axis-FP 630 K - 2 D / 5.5 - 8 / 15 / ST - U 1 - 400/2**

**Axis-FP ...ST**: Axial smoke exhaust fan with steel impellers

**Standard size (duct diameter) [mm]**

**Modification**:
**_**: standard casing
**K**: shortened casing

**Number of motor poles**

**Motor phase**:
**E**: single-phase
**D**: three-phase

**Motor power [kW]**

**Number of impeller blades [pcs.]**

**Blade setting angle [°]**

**Blade material**:
**ST**: steel

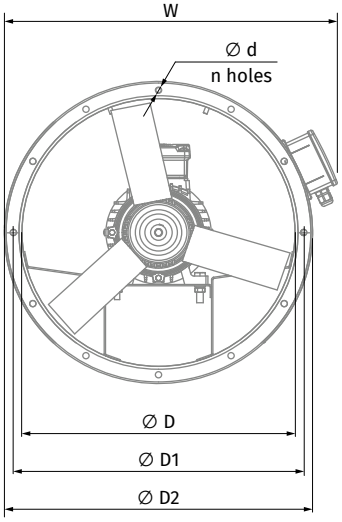
**Climatic category**:
**U**: moderate climate (-40...+40 °C)
**HL**: cold climate (-60...+40 °C)
**UHL**: moderate and cold climate (-60...+40 °C)
**T**: tropical climate (-10...+50 °C)
**M**: maritime moderately cold climate (-40...+40 °C)
**O**: general climatic modification (except maritime climate) (-60...+50 °C)
**OM**: general maritime climatic modification (-40...+40 °C)
**V**: universal climatic modification (-60...+50 °C)

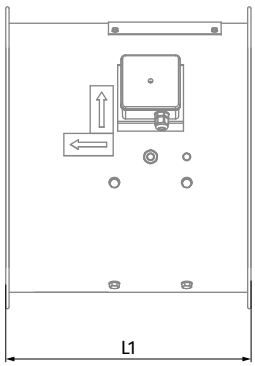
**Placement category**:
**1**: outdoors
**2**: under a shed or indoors with the same conditions as outdoors except solar radiation and precipitation
**3**: in closed rooms without artificial climate control
**4**: in closed rooms with artificial climate control (ventilation, heating)
**5**: in rooms with high levels of humidity, without artificial climate control

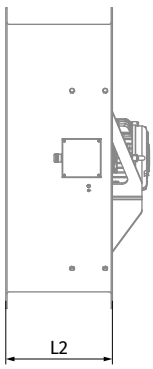
**Fire resistance rating**:
**200/2**: 200 °C, 2 hours
**300/2**: 300 °C, 2 hours
**400/2**: 400 °C, 2 hours

## Dimensions [mm]

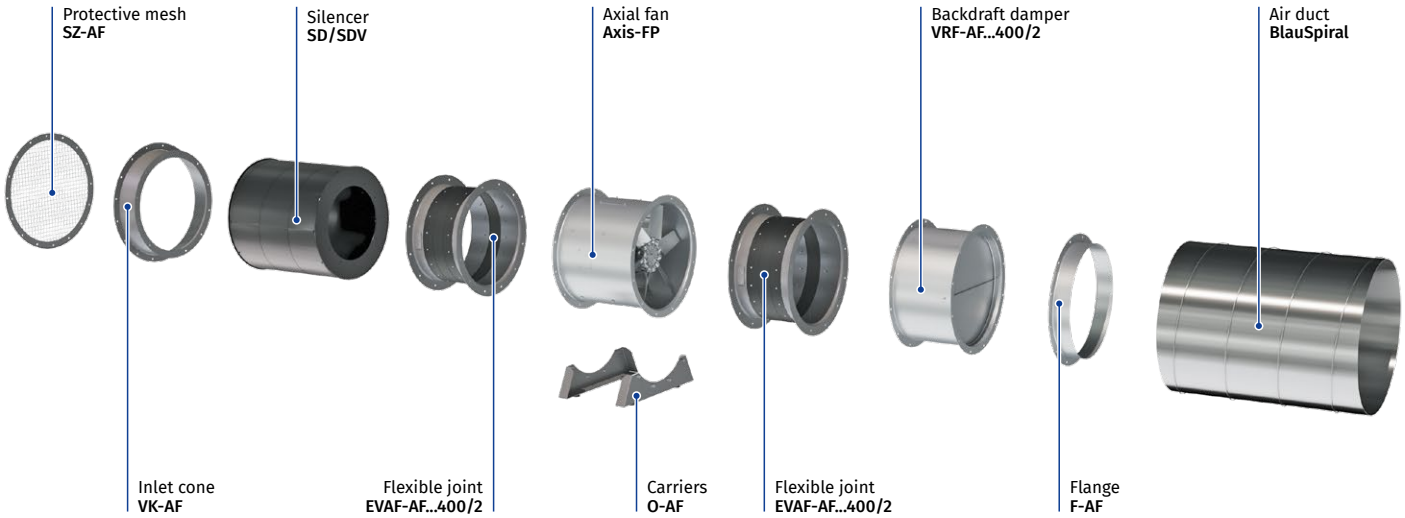
| Model | ∅ D | ∅ D1 | ∅ D2 | ∅ d/n | L1 | L2 | W |
|---|---|---|---|---|---|---|---|
| **Axis-FP 400** | 400 | 450 | 490 | 8/12 | 400 | 250 | 525 |
| **Axis-FP 450** | 450 | 500 | 540 | 8/12 | 400, 450, 500 | 250 | 580 |
| **Axis-FP 500** | 500 | 560 | 600 | 12/12 | 400, 500, 550 | 250, 300 | 620 |
| **Axis-FP 560** | 560 | 620 | 660 | 12/12 | 400, 500, 550 | 250, 300 | 680 |
| **Axis-FP 630** | 630 | 690 | 730 | 12/12 | 400, 500, 550, 700 | 250, 300, 400 | 750 |
| **Axis-FP 710** | 710 | 770 | 810 | 12/16 | 400, 500 | 250 | 845 |



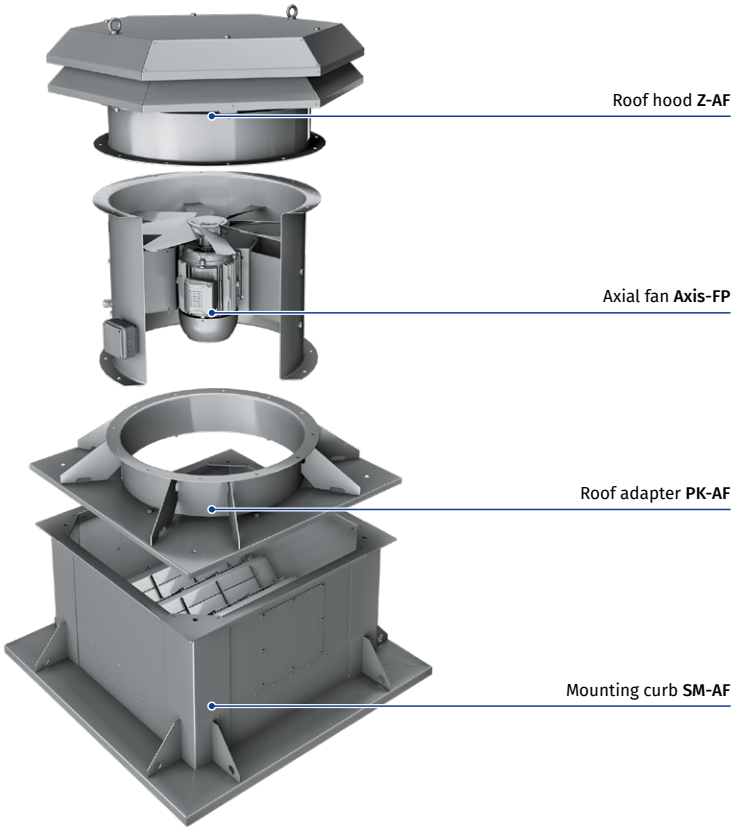



## Complete solutions for axial fans



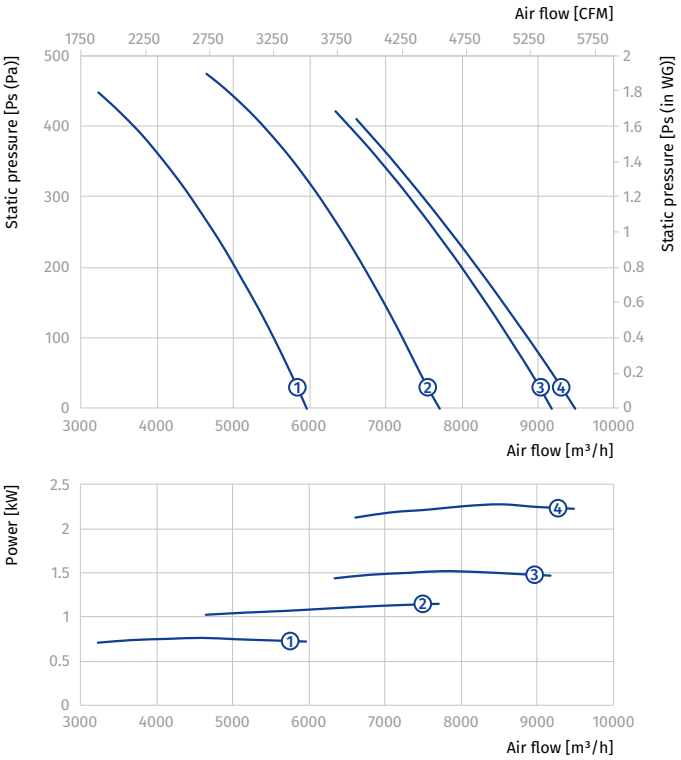

## Installation example of axial fans on rooftop



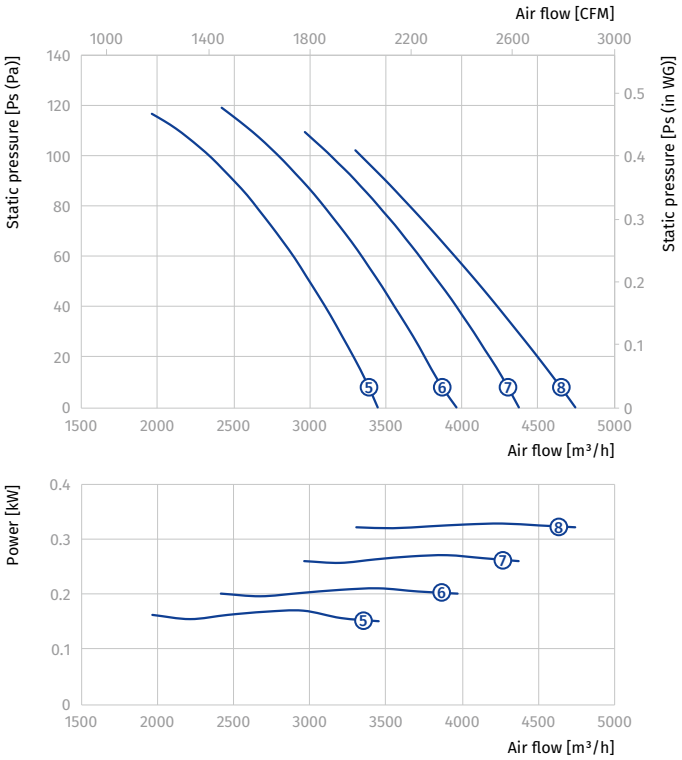
## Technical data

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| **Axis-FP 400-2D** | | | | | | | | | | | | |
| **400** | 2 | 3~400 | Axis-FP 400-2D/0.75-6/20/ST | 0.75 | 2880 | 6 | 20 | 27.1 | 25.2 | 400 | 250 | ① |
| | | | Axis-FP 400-2D/1.1-6/29/ST | 1.1 | 2880 | 6 | 29 | 31.2 | 29.0 | 400 | 250 | ② |
| | | | Axis-FP 400-2D/1.5-6/38/ST | 1.5 | 2880 | 6 | 38 | 32.7 | 30.4 | 400 | 250 | ③ |
| | | | Axis-FP 400-2D/2.2-6/40/ST | 2.2 | 2880 | 6 | 40 | 33.8 | 31.4 | 400 | 250 | ④ |
| **Axis-FP 400-4D** | | | | | | | | | | | | |
| **400** | 4 | 3~400 | Axis-FP 400-4D/0.37-6/25/ST | 0.37 | 1440 | 6 | 25 | 25.0 | 23.3 | 400 | 250 | ⑤ |
| | | | Axis-FP 400-4D/0.37-6/30/ST | 0.37 | 1440 | 6 | 30 | 25.0 | 23.3 | 400 | 250 | ⑥ |
| | | | Axis-FP 400-4D/0.37-6/35/ST | 0.37 | 1440 | 6 | 35 | 25.0 | 23.3 | 400 | 250 | ⑦ |
| | | | Axis-FP 400-4D/0.37-6/40/ST | 0.37 | 1440 | 6 | 40 | 25.0 | 23.3 | 400 | 250 | ⑧ |

### STANDARD SIZE: 400
No. of poles: **2**
Fire resistance rating: **400/2**



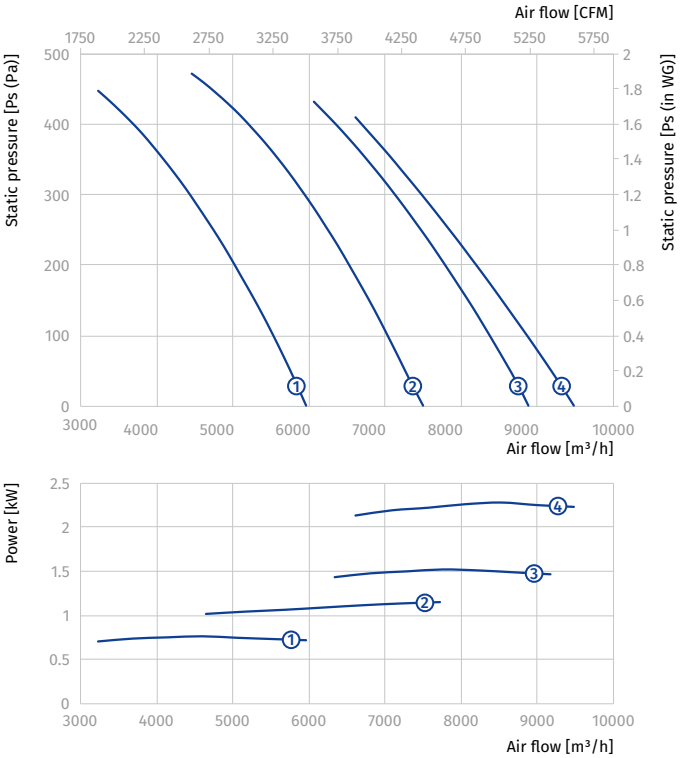

### STANDARD SIZE: 400
No. of poles: **4**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shortened | L1 | L2 | |
| 400 | 2/4 | 3~400 | Axis-FP 400-2/4D/0.8/0.2-6/20/ST | 0.8/0.2 | 2880/1440 | 6 | 20 | 31.8 | 29.6 | 400 | 250 | ① |
| | | | Axis-FP 400-2/4D/1.1/0.25-6/28/ST | 1.1/0.25 | 2880/1440 | 6 | 28 | 32.8 | 30.5 | 400 | 250 | ② |
| | | | Axis-FP 400-2/4D/1.5/0.37-6/36/ST | 1.5/0.37 | 2880/1440 | 6 | 36 | 38.1 | 35.4 | 400 | 250 | ③ |
| | | | Axis-FP 400-2/4D/2.2/0.5-6/40/ST | 2.2/0.5 | 2880/1440 | 6 | 40 | 39.1 | 36.4 | 400 | 250 | ④ |

## STANDARD SIZE: 400

No. of poles: **2**
Fire resistance rating: **400/2**

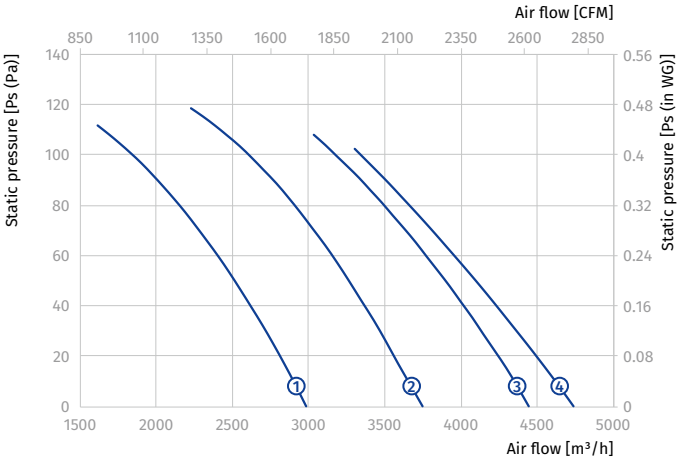


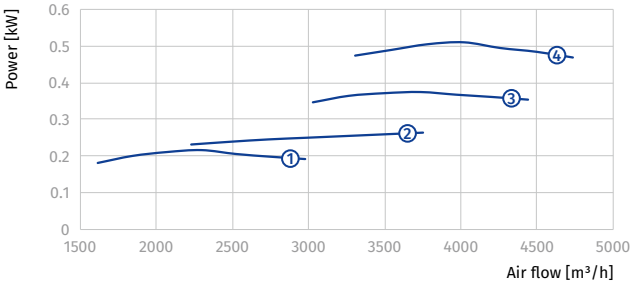




## STANDARD SIZE: 400

No. of poles: **4**
Fire resistance rating: **400/2**



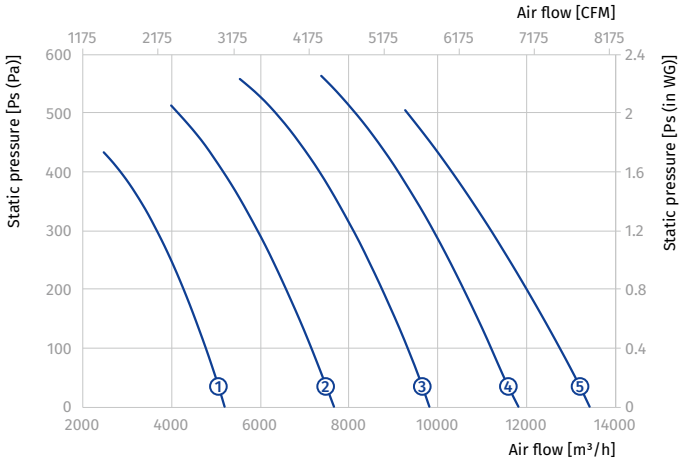



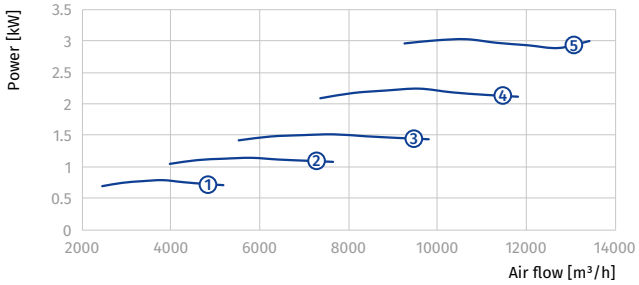

AXIAL SMOKE EXTRACTION FANS

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| **Axis-FP 450-2D** | | | | | | | | | | | | |
| 450 | 2 | 3~400 | Axis-FP 450-2D/0.75-6/10/ST | 0.75 | 2880 | 6 | 10 | 28.8 | 26.8 | 450 | 250 | ① |
| | | | Axis-FP 450-2D/1.1-6/17/ST | 1.1 | 2880 | 6 | 17 | 32.8 | 30.5 | 450 | 250 | ② |
| | | | Axis-FP 450-2D/1.5-6/24/ST | 1.5 | 2880 | 6 | 24 | 34.3 | 31.9 | 450 | 250 | ③ |
| | | | Axis-FP 450-2D/2.2-6/31/ST | 2.2 | 2880 | 6 | 31 | 35.4 | 32.9 | 450 | 250 | ④ |
| | | | Axis-FP 450-2D/3-6/38/ST | 3 | 2880 | 6 | 38 | 38.8 | 36.1 | 450 | 250 | ⑤ |
| **Axis-FP 450-4D** | | | | | | | | | | | | |
| 450 | 4 | 3~400 | Axis-FP 450-4D/0.37-6/23/ST | 0.37 | 1440 | 6 | 23 | 25.5 | 23.7 | 400 | 250 | ⑥ |
| | | | Axis-FP 450-4D/0.37-6/27/ST | 0.37 | 1440 | 6 | 27 | 25.5 | 23.7 | 400 | 250 | ⑦ |
| | | | Axis-FP 450-4D/0.37-6/32/ST | 0.37 | 1440 | 6 | 32 | 25.5 | 23.7 | 400 | 250 | ⑧ |
| | | | Axis-FP 450-4D/0.37-6/38/ST | 0.37 | 1440 | 6 | 38 | 25.5 | 23.7 | 400 | 250 | ⑨ |

## STANDARD SIZE: 450

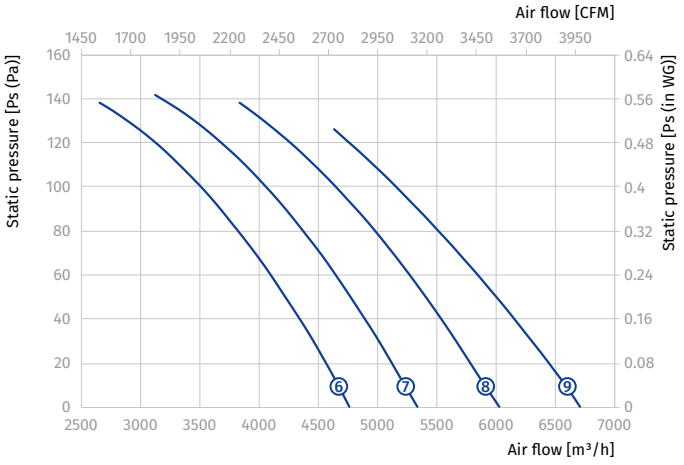
No. of poles: **2**
Fire resistance rating: **400/2**

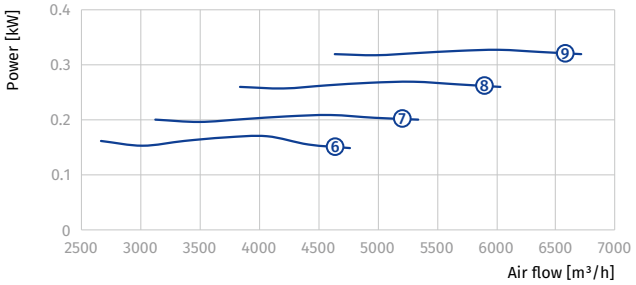



## STANDARD SIZE: 450

No. of poles: **4**
Fire resistance rating: **400/2**

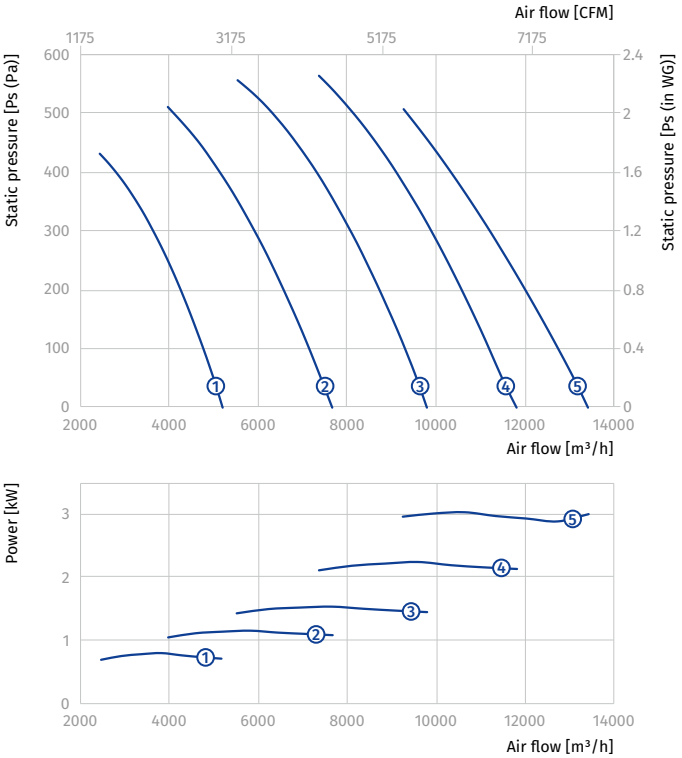


| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| 450 | 2/4 | 3~400 | Axis-FP 450-2/4D/0.8/0.2-6/10/ST | 0.8/0.2 | 2880/1440 | 6 | 10 | 33.3 | 31.0 | 400 | 250 | ① |
| | | | Axis-FP 450-2/4D/1.1/0.25-6/16/ST | 1.1/0.25 | 2880/1440 | 6 | 16 | 34.3 | 31.9 | 400 | 250 | ② |
| | | | Axis-FP 450-2/4D/1.5/0.37-6/22/ST | 1.5/0.37 | 2880/1440 | 6 | 22 | 39.8 | 37.0 | 400 | 250 | ③ |
| | | | Axis-FP 450-2/4D/2.2/0.5-6/31/ST | 2.2/0.5 | 2880/1440 | 6 | 31 | 40.7 | 37.9 | 400 | 250 | ④ |
| | | | Axis-FP 450-2/4D/3.1/0.8-6/38/ST | 3.1/0.8 | 2880/1440 | 6 | 38 | 49.7 | 46.2 | 500 | 250 | ⑤ |

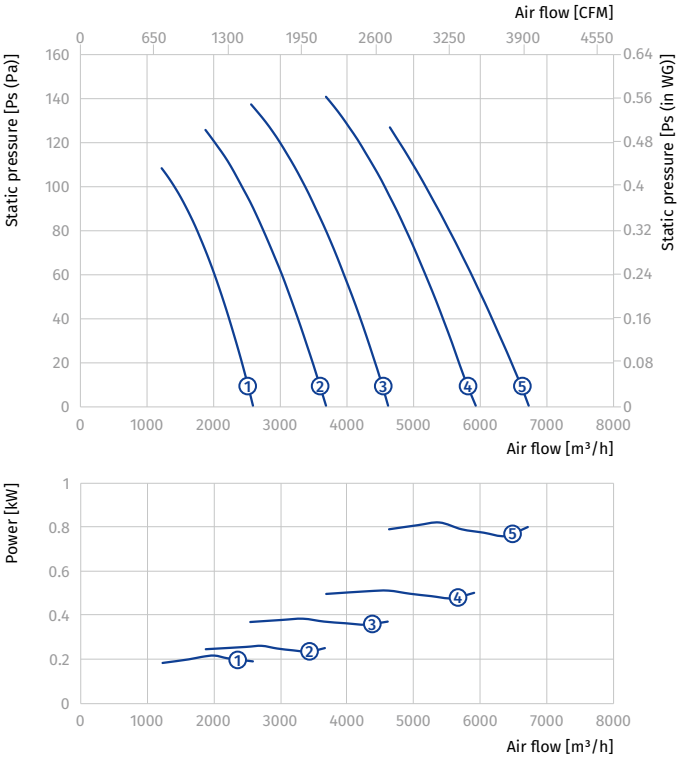
## STANDARD SIZE: 450

No. of poles: **2**
Fire resistance rating: **400/2**




## STANDARD SIZE: 450

No. of poles: **4**
Fire resistance rating: **400/2**

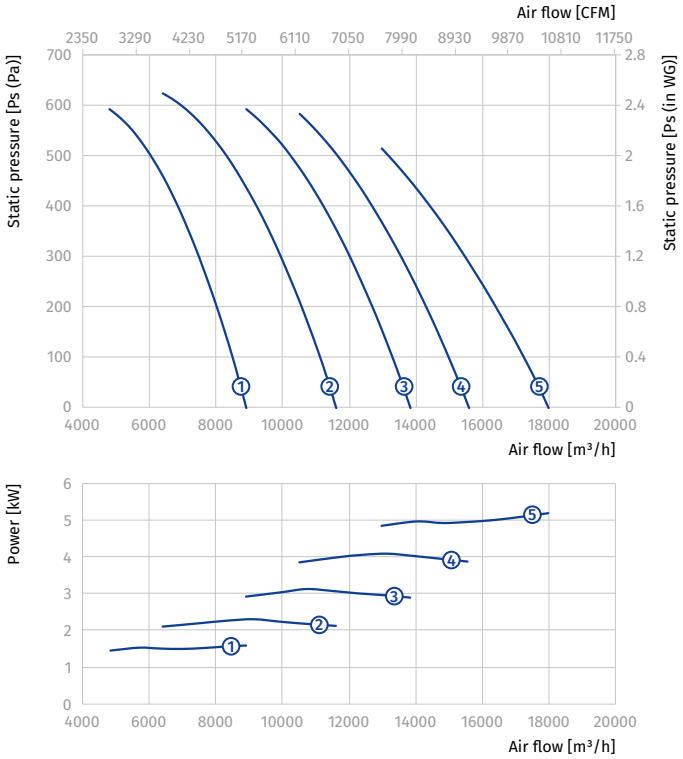



AXIAL SMOKE EXTRACTION FANS

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| **Axis-FP 500-2D** | | | | | | | | | | | | |
| 500 | 2 | 3~400 | Axis-FP 500-2D/1.5-6/15/ST | 1.5 | 2880 | 6 | 15 | 35 | 31.5 | 400 | 250 | ① |
| | | | Axis-FP 500-2D/2.2-6/21/ST | 2.2 | 2880 | 6 | 21 | 37.5 | 33.8 | 400 | 250 | ② |
| | | | Axis-FP 500-2D/3-6/27/ST | 3 | 2880 | 6 | 27 | 44 | 39.6 | 400 | 250 | ③ |
| | | | Axis-FP 500-2D/4-6/32/ST | 4 | 2880 | 6 | 32 | 56.5 | 50.9 | 500 | 250 | ④ |
| | | | Axis-FP 500-2D/5.5-6/40/ST | 5.5 | 2880 | 6 | 40 | 62.8 | 56.5 | 500 | 250 | ⑤ |
| **Axis-FP 500-4D** | | | | | | | | | | | | |
| 500 | 4 | 3~400 | Axis-FP 500-4D/0.37-6/18/ST | 0.37 | 1440 | 6 | 18 | 27 | 24.3 | 400 | 250 | ⑥ |
| | | | Axis-FP 500-4D/0.37-6/23/ST | 0.37 | 1440 | 6 | 23 | 27 | 24.3 | 400 | 250 | ⑦ |
| | | | Axis-FP 500-4D/0.55-6/27/ST | 0.55 | 1440 | 6 | 27 | 29.5 | 26.6 | 400 | 250 | ⑧ |
| | | | Axis-FP 500-4D/0.75-6/39/ST | 0.75 | 1440 | 6 | 39 | 30.5 | 27.5 | 400 | 250 | ⑨ |

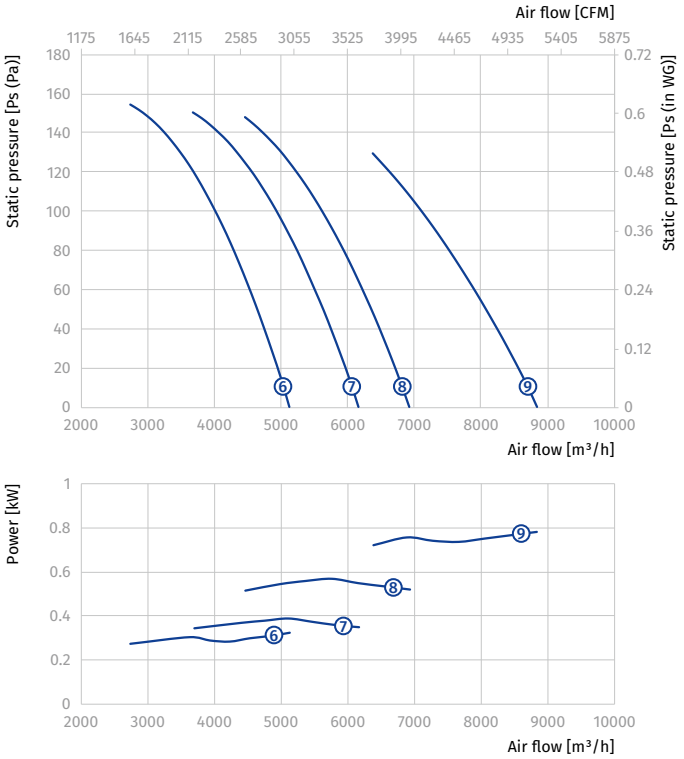
## STANDARD SIZE: 500

No. of poles: **2**
Fire resistance rating: **400/2**




## STANDARD SIZE: 500

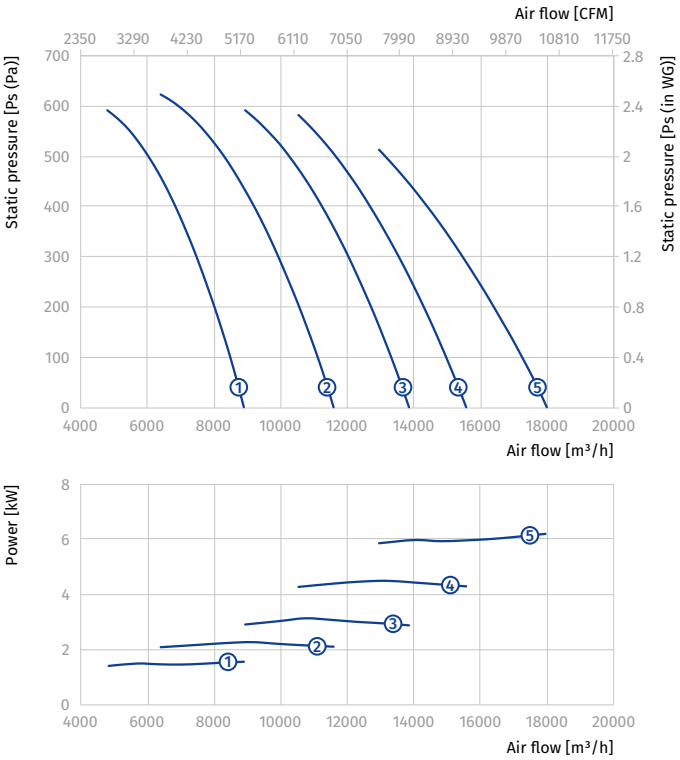
No. of poles: **4**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shortened | L1 | L2 | |
| 500 | 2/4 | 3~400 | Axis-FP 500-2/4D/1.5/0.37-6/11/ST | 1.5/0.37 | 2880/1440 | 6 | 11 | 40.5 | 36.5 | 400 | 250 | ① |
| | | | Axis-FP 500-2/4D/2.2/0.5-6/21/ST | 2.2/0.5 | 2880/1440 | 6 | 21 | 42.5 | 38.3 | 400 | 250 | ② |
| | | | Axis-FP 500-2/4D/3.1/0.8-6/27/ST | 3.1/0.8 | 2880/1440 | 6 | 27 | 55.5 | 50.0 | 500 | 250 | ③ |
| | | | Axis-FP 500-2/4D/4.4/1.1-6/33/ST | 4.4/1.1 | 2880/1440 | 6 | 33 | 67.5 | 60.8 | 500 | 250 | ④ |
| | | | Axis-FP 500-2/4D/6/1.5-6/40/ST | 6.0/1.5 | 2880/1440 | 6 | 40 | 84.5 | 76.1 | 550 | 300 | ⑤ |

## STANDARD SIZE: 500

No. of poles: **2**
Fire resistance rating: **400/2**

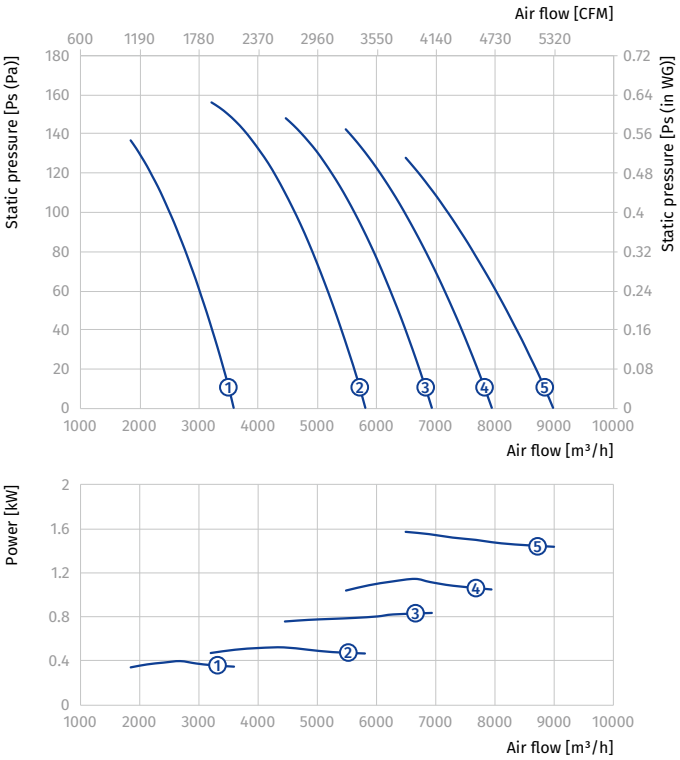






## STANDARD SIZE: 500

No. of poles: **4**
Fire resistance rating: **400/2**





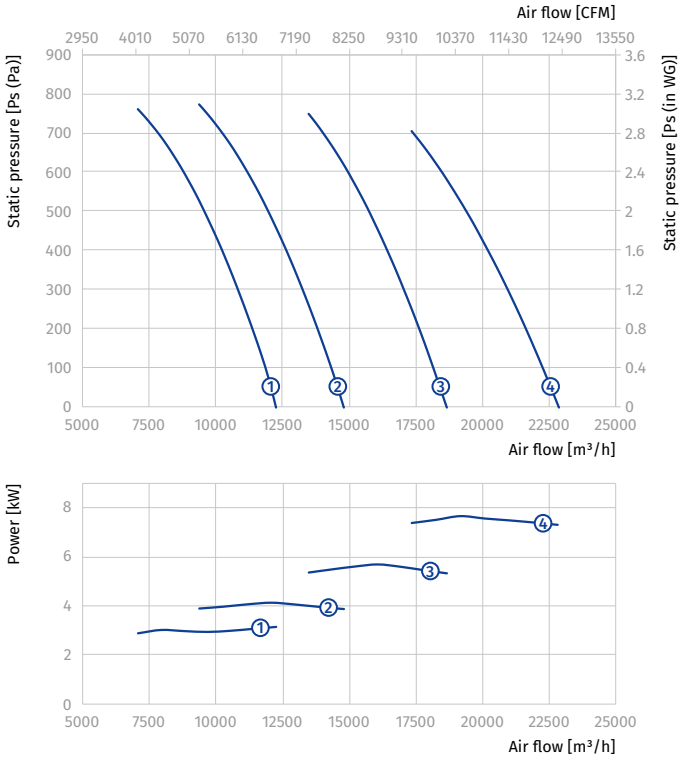


AXIAL SMOKE EXTRACTION FANS

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| **Axis-FP 560-2D** | | | | | | | | | | | | |
| **560** | 2 | 3~400 | Axis-FP 560-2D/3-8/14/ST | 3 | 2880 | 8 | 14 | 47.5 | 42.8 | 400 | 250 | ① |
| | | | Axis-FP 560-2D/4-8/18/ST | 4 | 2880 | 8 | 18 | 60 | 54 | 500 | 250 | ② |
| | | | Axis-FP 560-2D/5.5-8/25/ST | 5.5 | 2880 | 8 | 25 | 68 | 61.2 | 500 | 250 | ③ |
| | | | Axis-FP 560-2D/7.5-8/33/ST | 7.5 | 2880 | 8 | 33 | 69.5 | 62.6 | 500 | 250 | ④ |
| **Axis-FP 560-4D** | | | | | | | | | | | | |
| **560** | 4 | 3~400 | Axis-FP 560-4D/0.37-8/13/ST | 0.37 | 1440 | 8 | 13 | 32 | 28.8 | 400 | 250 | ⑤ |
| | | | Axis-FP 560-4D/0.55-8/23/ST | 0.55 | 1440 | 8 | 23 | 33 | 29.7 | 400 | 250 | ⑥ |
| | | | Axis-FP 560-4D/0.75-8/29/ST | 0.75 | 1440 | 8 | 29 | 34 | 30.6 | 400 | 250 | ⑦ |
| | | | Axis-FP 560-4D/1.1-8/35/ST | 1.1 | 1440 | 8 | 35 | 36.8 | 33.1 | 400 | 250 | ⑧ |

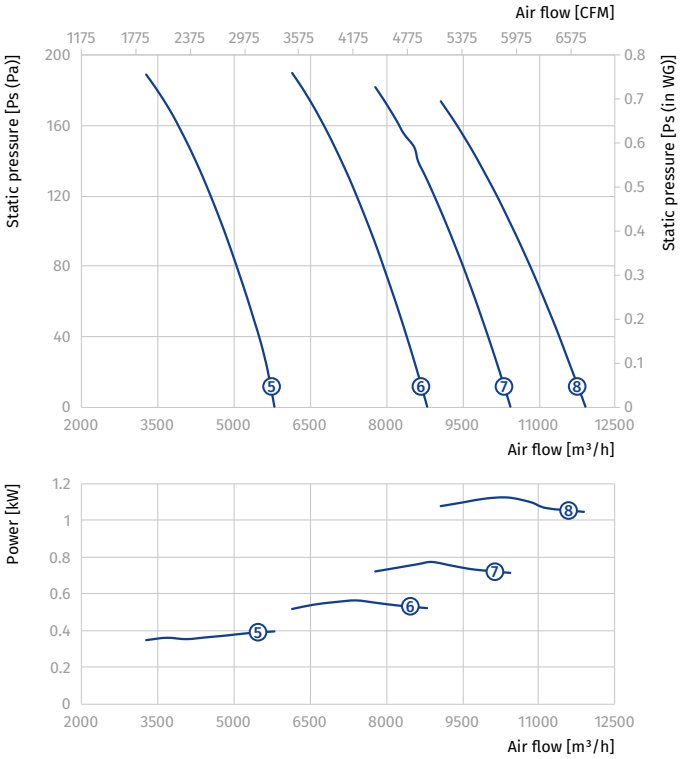
## STANDARD SIZE: 560

No. of poles: **2**
Fire resistance rating: **400/2**




## STANDARD SIZE: 560

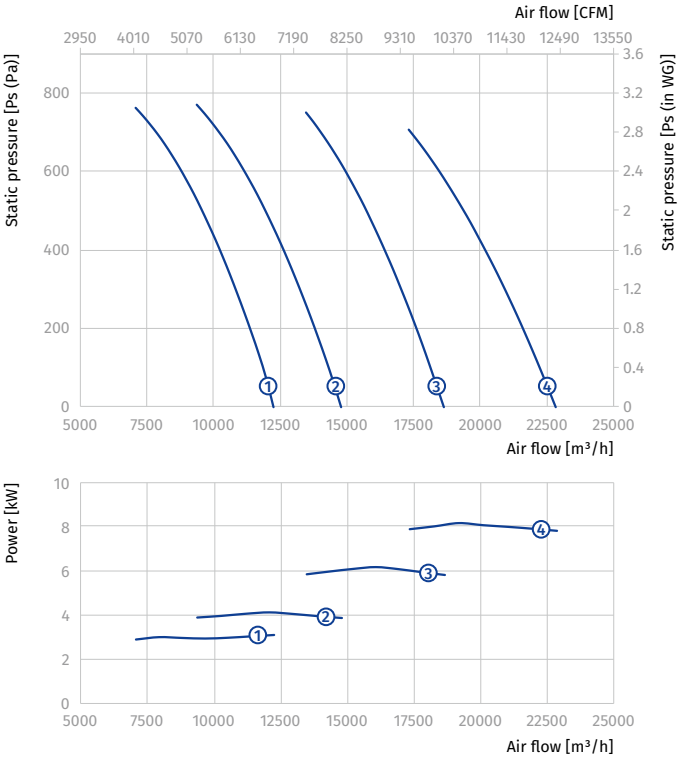
No. of poles: **4**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| 560 | 2/4 | 3~400 | Axis-FP 560-2/4D/3.1/0.8-8/14/ST | 3.1/0.8 | 2880/1440 | 8 | 14 | 59 | 54.9 | 500 | 250 | ① |
| | | | Axis-FP 560-2/4D/4.4/1.1-8/18/ST | 4.4/1.1 | 2880/1440 | 8 | 18 | 71 | 66 | 500 | 250 | ② |
| | | | Axis-FP 560-2/4D/6/1.5-8/25/ST | 6.0/1.5 | 2880/1440 | 8 | 25 | 99 | 92.1 | 550 | 300 | ③ |
| | | | Axis-FP 560-2/4D/8/2-8/33/ST | 8.0/2.0 | 2880/1440 | 8 | 33 | 106 | 98.6 | 550 | 300 | ④ |

## STANDARD SIZE: 560

No. of poles: **2**
Fire resistance rating: **400/2**

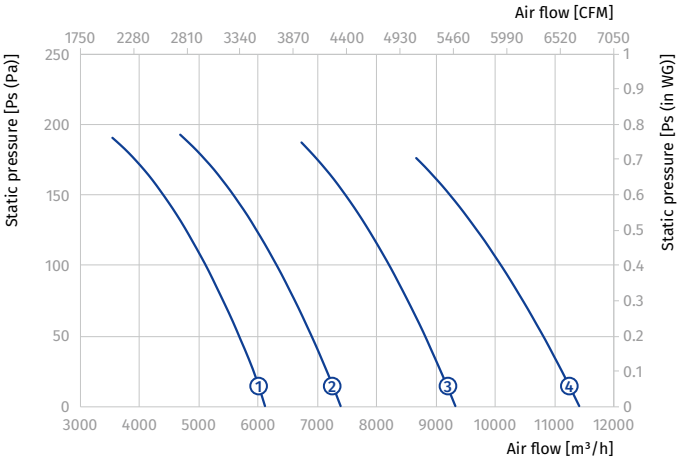


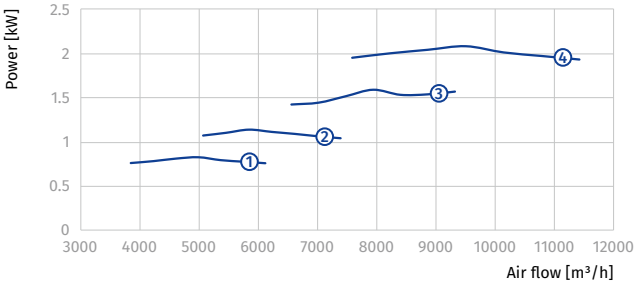




## STANDARD SIZE: 560

No. of poles: **4**
Fire resistance rating: **400/2**

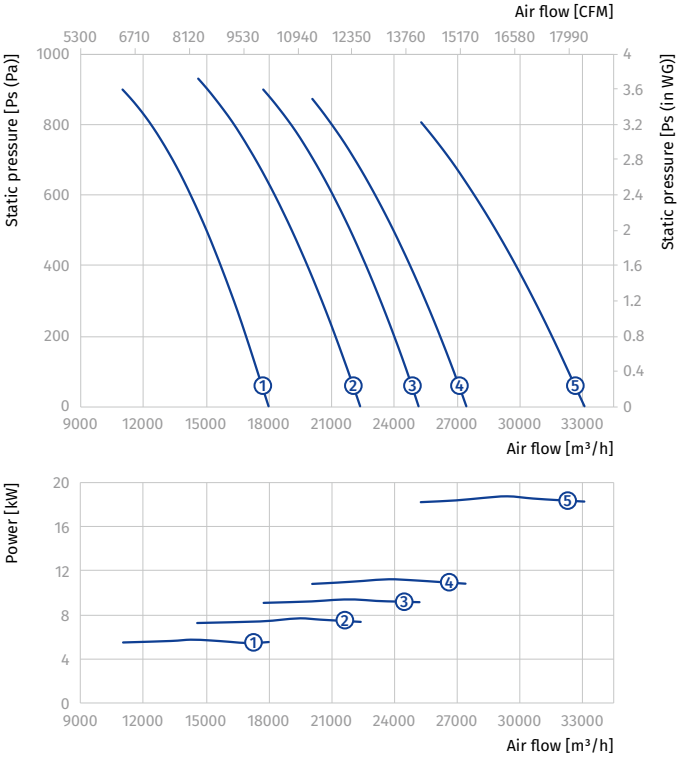


| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| **Axis-FP 630-2D** | | | | | | | | | | | | |
| **630** | 2 | 3~400 | Axis-FP 630-2D/5.5-8/15/ST | 5.5 | 2880 | 8 | 15 | 69.5 | 62.6 | 500 | 250 | ① |
| | | | Axis-FP 630-2D/7.5-8/20/ST | 7.5 | 2880 | 8 | 20 | 71.5 | 64.4 | 500 | 250 | ② |
| | | | Axis-FP 630-2D/9.2-8/24/ST | 9.2 | 2880 | 8 | 24 | 94.5 | 85.1 | 550 | 300 | ③ |
| | | | Axis-FP 630-2D/11-8/27/ST | 11 | 2880 | 8 | 27 | 117 | 105.3 | 550 | 300 | ④ |
| | | | Axis-FP 630-2D/18.5-8/35/ST | 18.5 | 2880 | 8 | 35 | 179 | 161.1 | 700 | 400 | ⑤ |
| **Axis-FP 630-4D** | | | | | | | | | | | | |
| **630** | 4 | 3~400 | Axis-FP 630-4D/0.55-8/12/ST | 0.55 | 1440 | 8 | 12 | 34 | 30.6 | 400 | 250 | ⑥ |
| | | | Axis-FP 630-4D/0.75-8/18/ST | 0.75 | 1440 | 8 | 18 | 35 | 31.5 | 400 | 250 | ⑦ |
| | | | Axis-FP 630-4D/1.1-8/24/ST | 1.1 | 1440 | 8 | 24 | 39 | 35.1 | 400 | 250 | ⑧ |
| | | | Axis-FP 630-4D/1.5-8/30/ST | 1.5 | 1440 | 8 | 30 | 42 | 37.8 | 400 | 250 | ⑨ |
| | | | Axis-FP 630-4D/2.2-8/35/ST | 2.2 | 1440 | 8 | 35 | 48 | 43.2 | 400 | 250 | ⑩ |

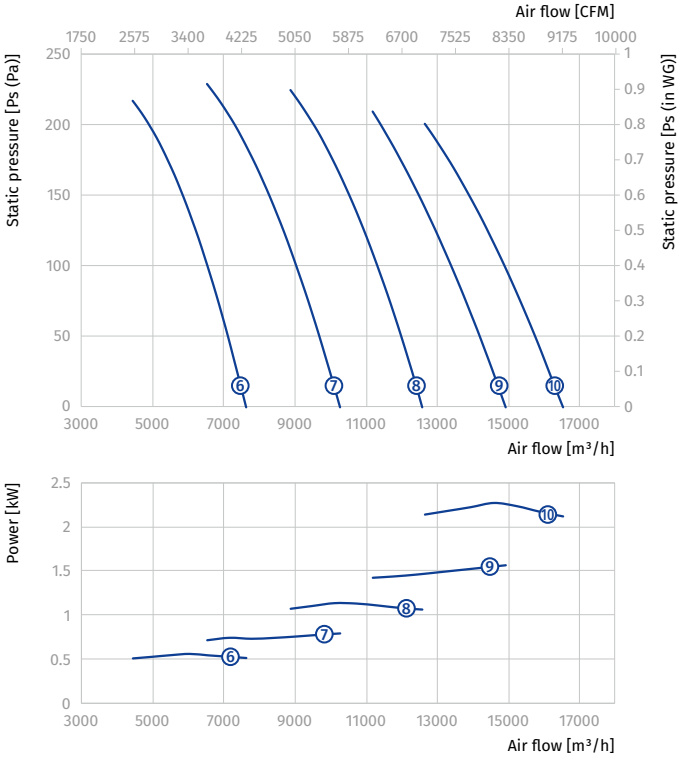
## STANDARD SIZE: 630

No. of poles: **2**
Fire resistance rating: **400/2**




## STANDARD SIZE: 630

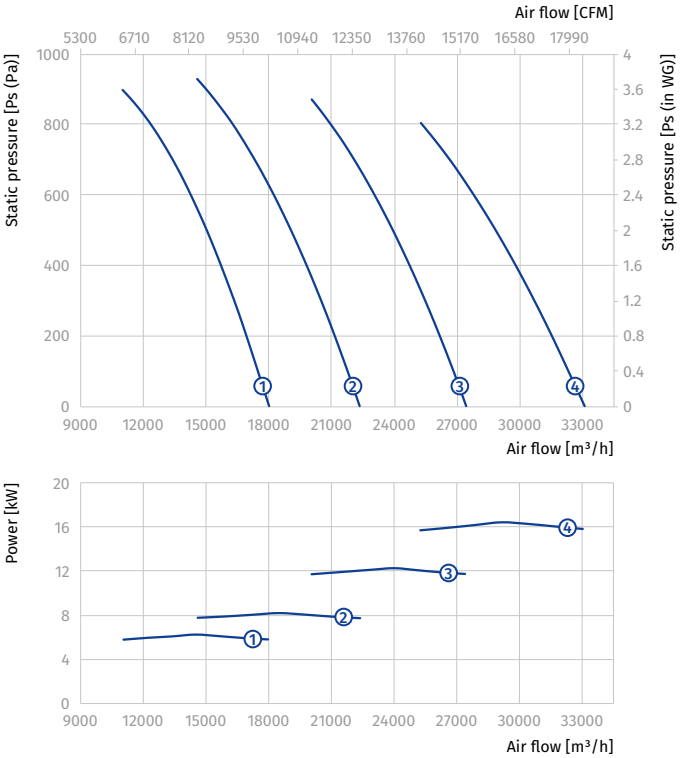
No. of poles: **4**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| 630 | 2/4 | 3~400 | Axis-FP 630-2/4D/6/1.5-8/15/ST | 6/1.5 | 2880/1440 | 8 | 15 | 102 | 91.8 | 550 | 300 | ① |
| | | | Axis-FP 630-2/4D/8/2-8/20/ST | 8/2 | 2880/1440 | 8 | 20 | 111 | 99.9 | 550 | 300 | ② |
| | | | Axis-FP 630-2/4D/12/3-8/27/ST | 12/3 | 2880/1440 | 8 | 27 | 175 | 157.5 | 700 | 400 | ③ |
| | | | Axis-FP 630-2/4D/16/4-8/35/ST | 16/4 | 2880/1440 | 8 | 35 | 192 | 172.8 | 700 | 400 | ④ |

## STANDARD SIZE: 630

No. of poles: **2**
Fire resistance rating: **400/2**

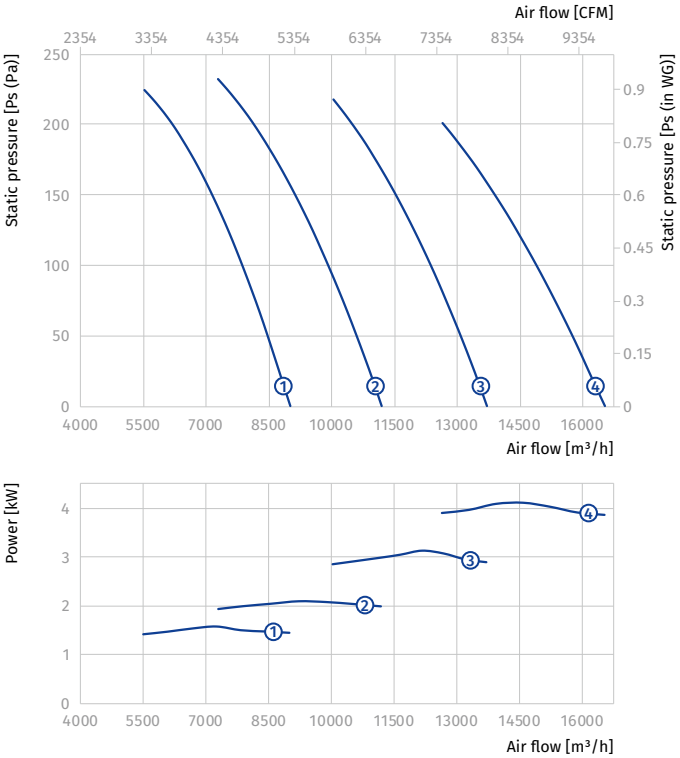






## STANDARD SIZE: 630

No. of poles: **4**
Fire resistance rating: **400/2**





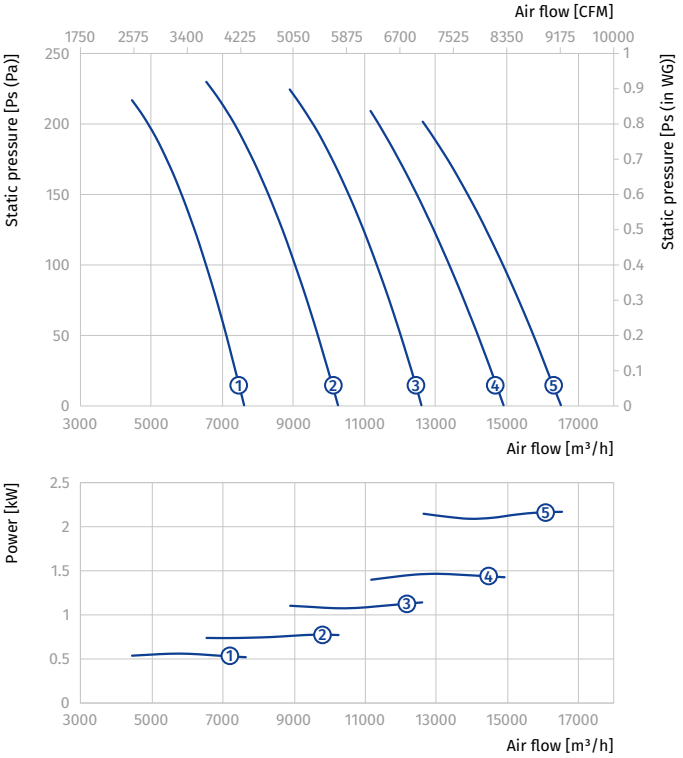


AXIAL SMOKE EXTRACTION FANS

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| 630 | 4/6 | 3~400 | Axis-FP 630-4/6D/0.55/0.2-8/12/ST | 0.55/0.2 | 1440/960 | 8 | 12 | 36 | 32.4 | 400 | 250 | ① |
| | | | Axis-FP 630-4/6D/0.75/0.25-8/18/ST | 0.75/0.25 | 1440/960 | 8 | 18 | 36 | 32.4 | 400 | 250 | ② |
| | | | Axis-FP 630-4/6D/1.1/0.3-8/24/ST | 1.1/0.3 | 1440/960 | 8 | 24 | 40.5 | 36.5 | 400 | 250 | ③ |
| | | | Axis-FP 630-4/6D/1.5/0.37-8/30/ST | 1.5/0.37 | 1440/960 | 8 | 30 | 44.5 | 40.1 | 400 | 250 | ④ |
| | | | Axis-FP 630-4/6D/2.2/0.7-8/35/ST | 2.2/0.7 | 1440/960 | 8 | 35 | 56 | 50.4 | 500 | 250 | ⑤ |

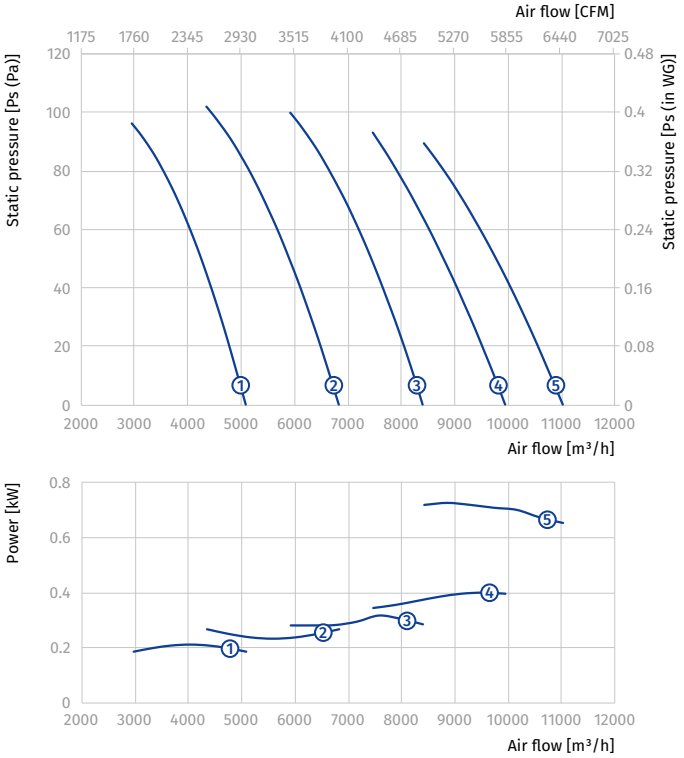
## STANDARD SIZE: 630

No. of poles: **4**
Fire resistance rating: **400/2**




## STANDARD SIZE: 630

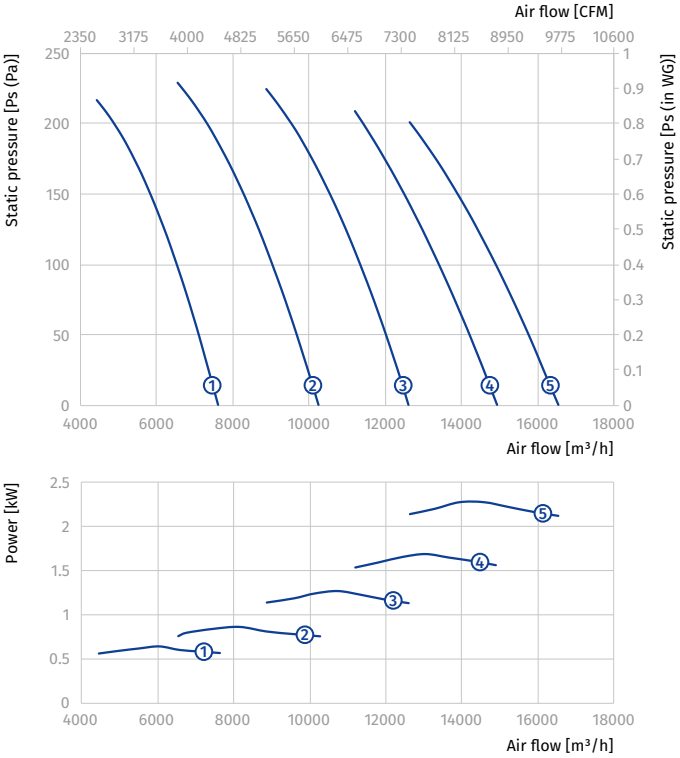
No. of poles: **6**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shortened | L1 | L2 | |
| 630 | 4/8 | 3~400 | Axis-FP 630-4/8D/0.6/0.15-8/12/ST | 0.6/0.15 | 1440/720 | 8 | 15 | 38 | 34.2 | 400 | 250 | ① |
| | | | Axis-FP 630-4/8D/0.8/0.2-8/18/ST | 0.8/0.2 | 1440/720 | 8 | 18 | 38 | 34.2 | 400 | 250 | ② |
| | | | Axis-FP 630-4/8D/1.2/0.3-8/24/ST | 1.2/0.3 | 1440/720 | 8 | 24 | 44.5 | 40.1 | 400 | 250 | ③ |
| | | | Axis-FP 630-4/8D/1.6/0.4-8/30/ST | 1.6/0.4 | 1440/720 | 8 | 30 | 47.5 | 42.8 | 400 | 250 | ④ |
| | | | Axis-FP 630-4/8D/2.2/0.55-8/35/ST | 2.2/0.55 | 1440/720 | 8 | 35 | 59 | 53.1 | 500 | 250 | ⑤ |

## STANDARD SIZE: 630

No. of poles: **4**
Fire resistance rating: **400/2**

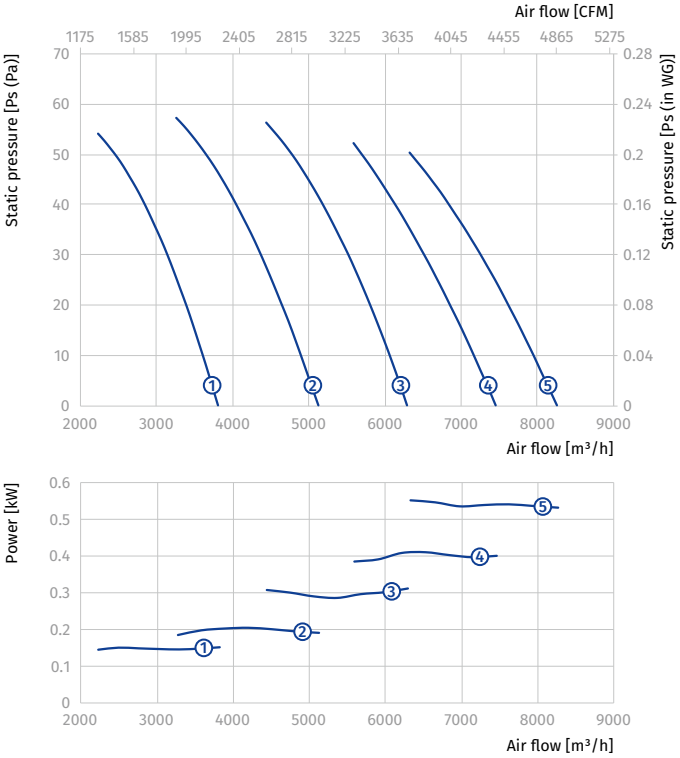






## STANDARD SIZE: 630

No. of poles: **8**
Fire resistance rating: **400/2**





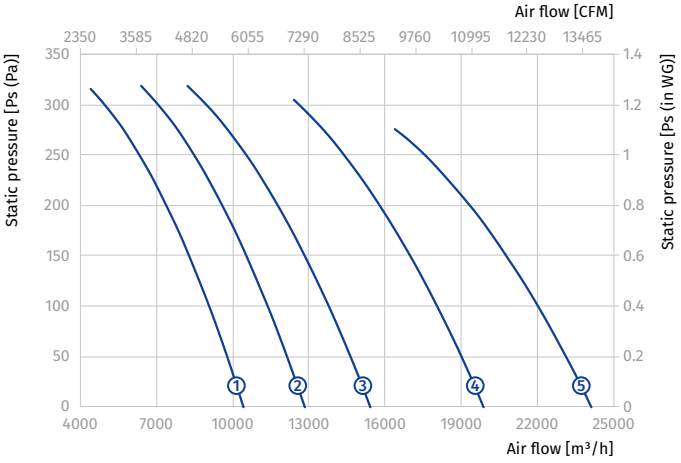


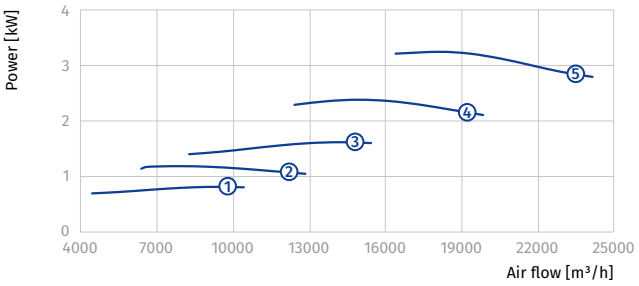
AXIAL SMOKE EXTRACTION FANS

| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min$^{-1}$] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shortened | L1 | L2 | |
| **Axis-FP 710-4D** | | | | | | | | | | | | |
| 710 | 4 | 3~400 | Axis-FP 710-4D/0.75-8/10/ST | 0.75 | 1440 | 8 | 10 | 46.0 | 41.4 | 400 | 250 | ① |
| | | | Axis-FP 710-4D/1.1-8/14/ST | 1.1 | 1440 | 8 | 14 | 50.5 | 45.5 | 400 | 250 | ② |
| | | | Axis-FP 710-4D/1.5-8/18/ST | 1.5 | 1440 | 8 | 18 | 54.0 | 48.6 | 400 | 250 | ③ |
| | | | Axis-FP 710-4D/2.2-8/26/ST | 2.2 | 1440 | 8 | 26 | 60.0 | 54.0 | 400 | 250 | ④ |
| | | | Axis-FP 710-4D/3-8/35/ST | 3 | 1440 | 8 | 35 | 74.0 | 66.6 | 500 | 250 | ⑤ |
| **Axis-FP 710-6D** | | | | | | | | | | | | |
| 710 | 6 | 3~400 | Axis-FP 710-6D/0.37-8/18/ST | 0.37 | 960 | 8 | 18 | 48.0 | 43.2 | 400 | 250 | ⑥ |
| | | | Axis-FP 710-6D/0.55-8/24/ST | 0.55 | 960 | 8 | 24 | 52.0 | 46.8 | 400 | 250 | ⑦ |
| | | | Axis-FP 710-6D/0.75-8/32/ST | 0.75 | 960 | 8 | 32 | 57.0 | 51.3 | 400 | 250 | ⑧ |
| | | | Axis-FP 710-6D/1.1-8/35/ST | 1.1 | 960 | 8 | 35 | 59.0 | 53.1 | 400 | 250 | ⑨ |

## STANDARD SIZE: 710

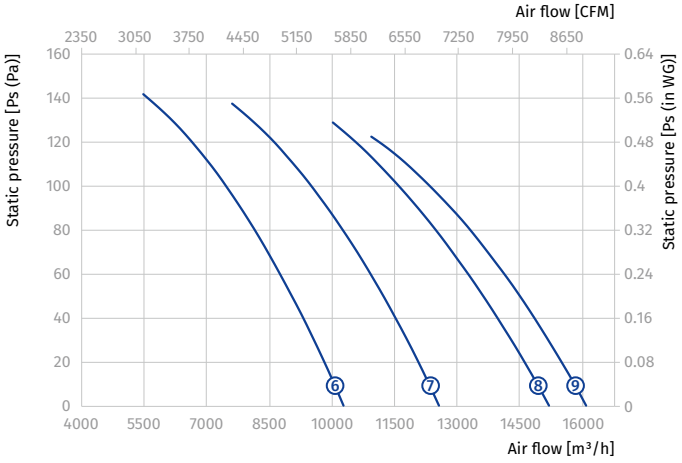
No. of poles: **4**
Fire resistance rating: **400/2**

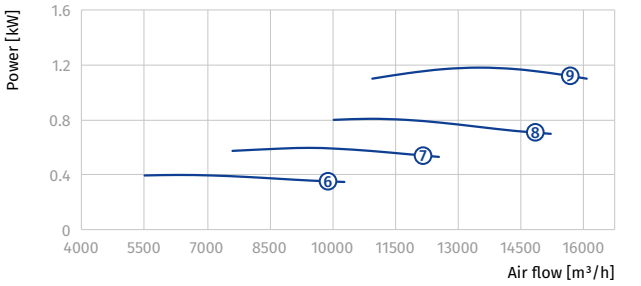



## STANDARD SIZE: 710

No. of poles: **6**
Fire resistance rating: **400/2**

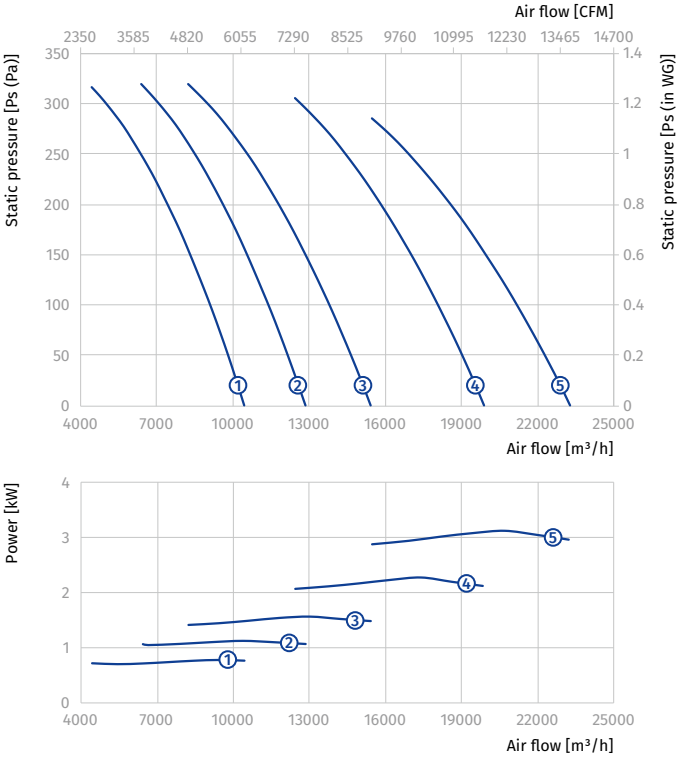


| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min-1] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shortened | L1 | L2 | |
| 710 | 4/6 | 3~400 | Axis-FP 710-4/6D/0.75/0.25-8/10/ST | 0.75/0.25 | 1440/960 | 8 | 10 | 48.0 | 43.2 | 400 | 250 | ① |
| | | | Axis-FP 710-4/6D/1.1/0.3-8/14/ST | 1.1/0.3 | 1440/960 | 8 | 14 | 53.0 | 47.7 | 400 | 250 | ② |
| | | | Axis-FP 710-4/6D/1.5/0.37-8/18/ST | 1.5/0.37 | 1440/960 | 8 | 18 | 57.0 | 51.3 | 400 | 250 | ③ |
| | | | Axis-FP 710-4/6D/2.2/0.7-8/26/ST | 2.2/0.7 | 1440/960 | 8 | 26 | 70.5 | 63.5 | 500 | 250 | ④ |
| | | | Axis-FP 710-4/6D/3/1-8/35/ST | 3/1 | 1440/960 | 8 | 35 | 79.5 | 71.6 | 500 | 250 | ⑤ |

## STANDARD SIZE: 710

No. of poles: **4**
Fire resistance rating: **400/2**

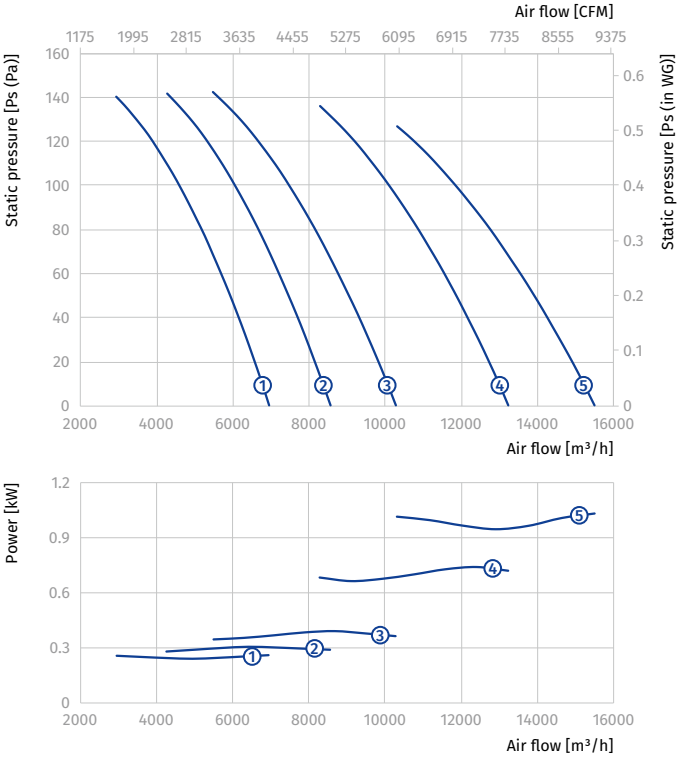






## STANDARD SIZE: 710

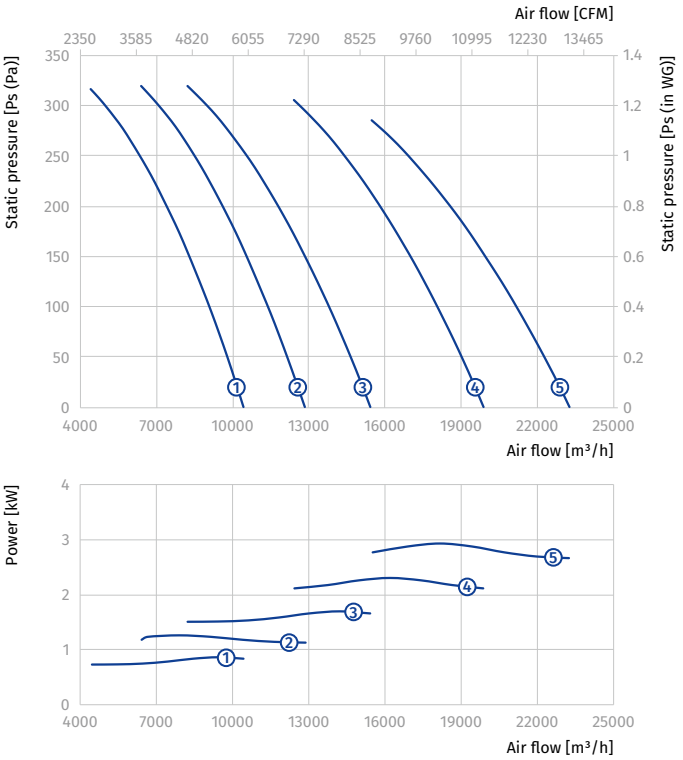
No. of poles: **6**
Fire resistance rating: **400/2**



| Standard size | No. of poles | Voltage [V/50 Hz] | Fan model | Set motor power Ny [kW] | RPM [min-1] | No. of blades | Angle of blades [°] | Weight [kg] | | Casing length [mm] | | Curve number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Standard | Shor-tened | L1 | L2 | |
| 710 | 4/8 | 3~400 | Axis-FP 710-4/8D/0.8/0.2-8/10/ST | 0.8/0.2 | 1440/720 | 8 | 10 | 51.0 | 45.9 | 400 | 250 | ① |
| | | | Axis-FP 710-4/8D/1.2/0.3-8/14/ST | 1.2/0.3 | 1440/720 | 8 | 14 | 58.0 | 52.2 | 400 | 250 | ② |
| | | | Axis-FP 710-4/8D/1.6/0.4-8/18/ST | 1.6/0.4 | 1440/720 | 8 | 18 | 60.0 | 54.0 | 400 | 250 | ③ |
| | | | Axis-FP 710-4/8D/2.2/0.55-8/26/ST | 2.2/0.55 | 1440/720 | 8 | 26 | 73.5 | 66.2 | 500 | 250 | ④ |
| | | | Axis-FP 710-4/8D/2.8/0.7-8/33/ST | 2.8/0.7 | 1440/720 | 8 | 33 | 76.5 | 68.9 | 500 | 250 | ⑤ |

## STANDARD SIZE: 710

No. of poles: **4**
Fire resistance rating: **400/2**







## STANDARD SIZE: 710

No. of poles: **8**
Fire resistance rating: **400/2**

