



# Duct Type Fan





## Duct Type Fan



## Contents

|   |    |
|---|----|
| Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series                          | 2  |
| Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series | 10 |
| Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series                            | 16 |
| EC Rectangular Duct Type Fan Series   | 22 |
| Round Duct Fan Series   | 28 |
| Duct Type Shelter Ventilation Series  | 34 |

## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series

Fans in Aironn AIR-DKF-B Fan Series are suitable to operate at maximum 55 °C. In order for you to make a selection to meet your need, 8 different models are available. It has high performance due to the backward inclined wheel with sparse fan blades. Folding motor cover provides easy assembly during operation.

### Fan Body

Fan body is made of high quality galvanized steel. The fan flanges are manufactured by bending the body so they are self flanged.

### Fan Blades

Backward inclined wheels with sparse fan blades used in DKF-B series are made of galvanized steel. The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### Motor

B insulation class motor is inside the air flow. Micro thermostat protection against high temperature is optional.

### Electricity

IP 55 electric terminal box made of plastic is standard.

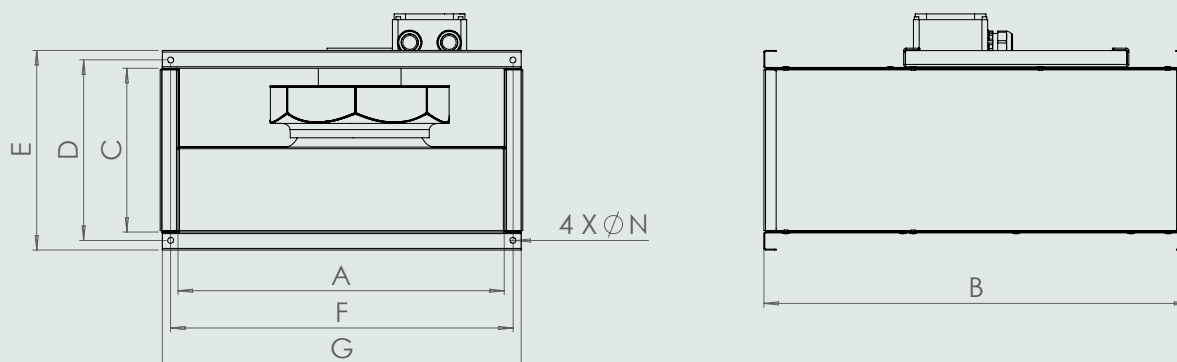
### Accessories

Speed Control Switch, Damper, Duct Type Silencer



# Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series

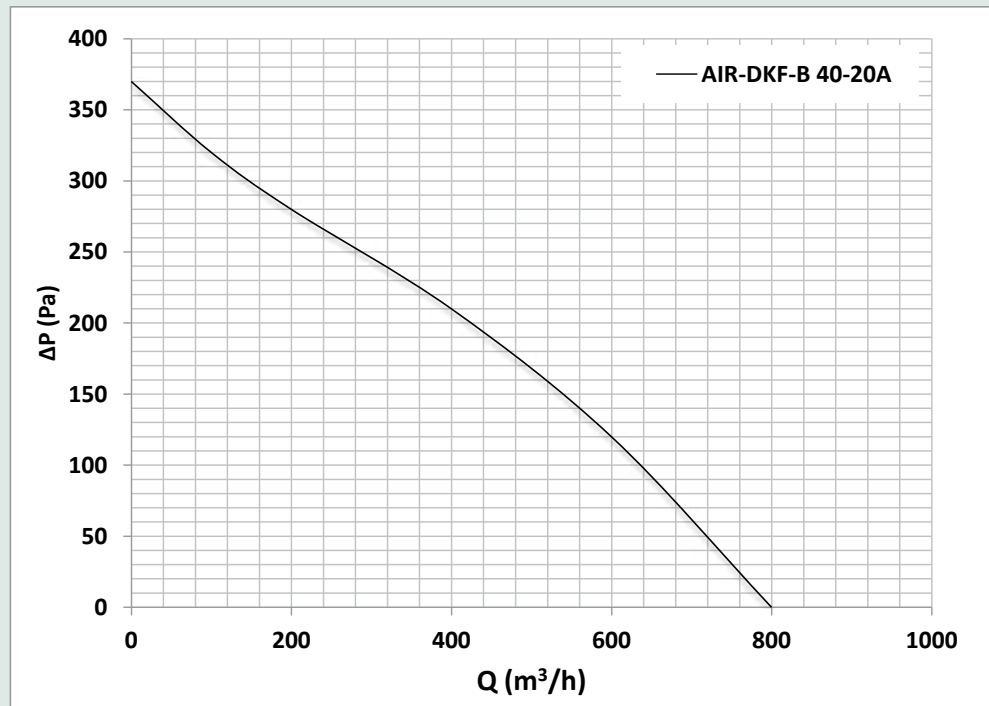
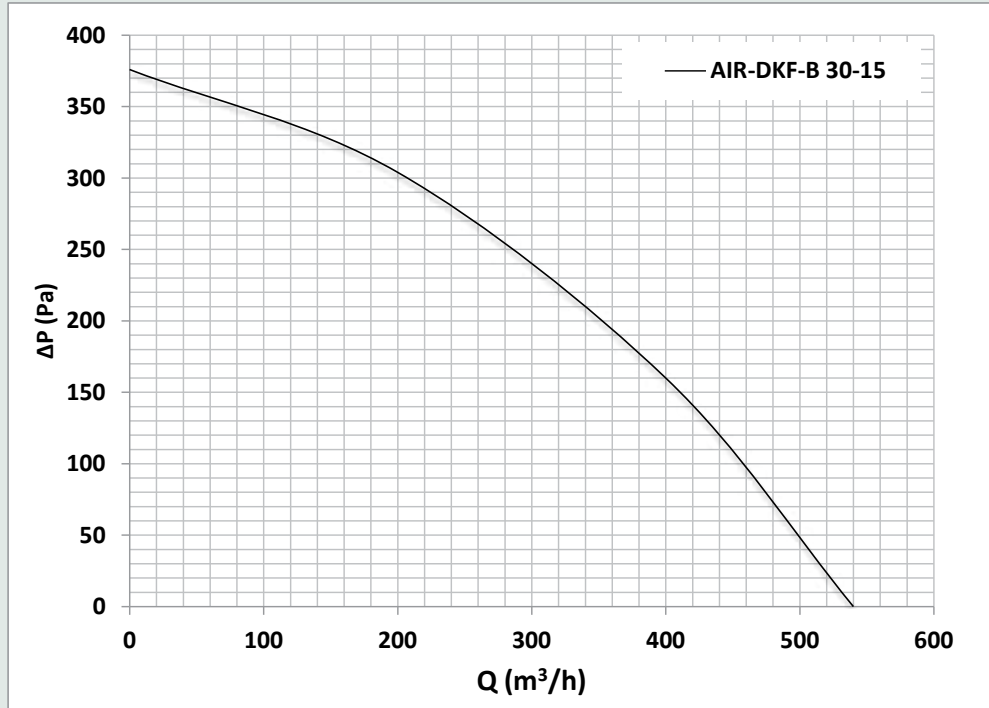
## Dimensions



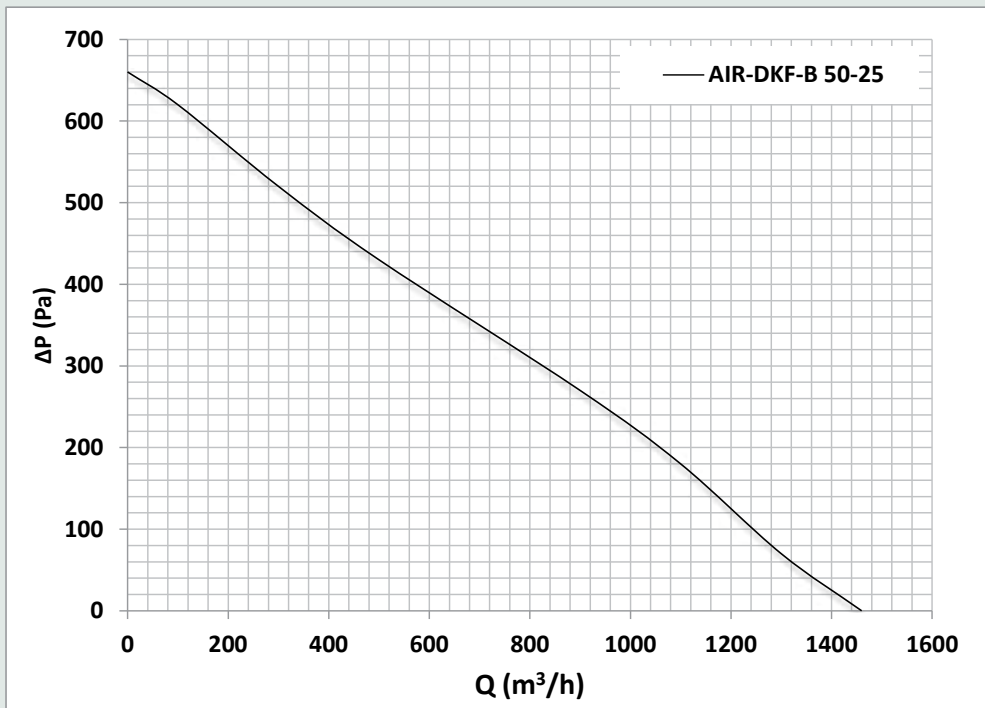
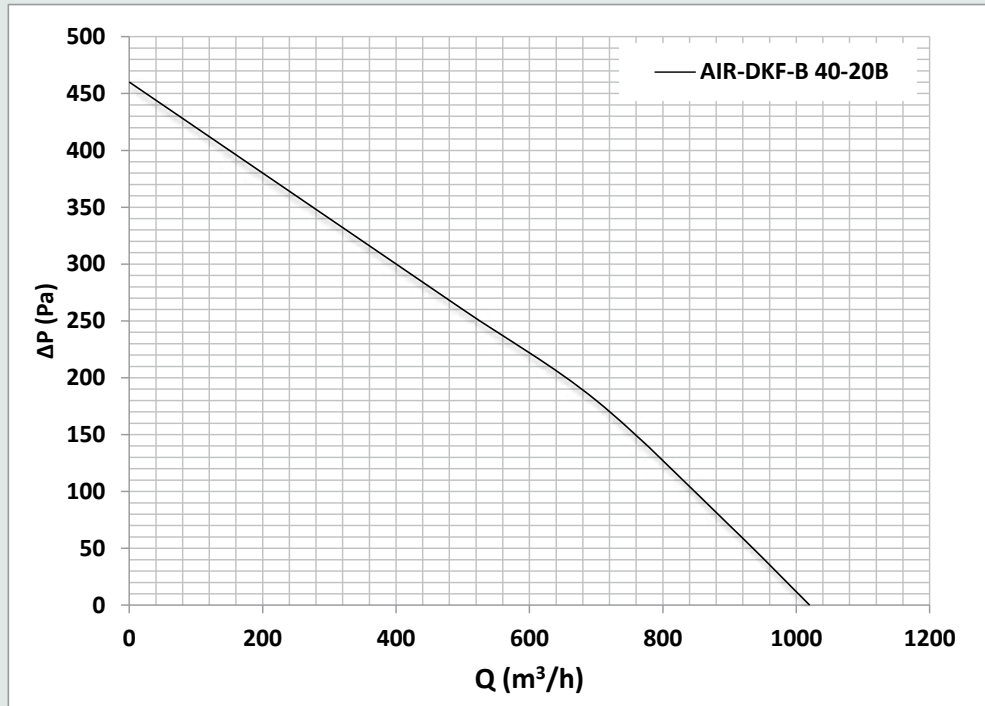
|                  | A    | B    | C   | D   | E   | F    | G    | Ø N |
|------------------|------|------|-----|-----|-----|------|------|-----|
| AIR-DKF-B 30-15  | 300  | 430  | 150 | 175 | 200 | 350  | 325  | 7   |
| AIR-DKF-B 40-20A | 400  | 520  | 200 | 225 | 250 | 450  | 425  | 7   |
| AIR-DKF-B 40-20B | 400  | 520  | 200 | 225 | 250 | 450  | 425  | 7   |
| AIR-DKF-B 50-25  | 500  | 590  | 250 | 275 | 300 | 550  | 525  | 9   |
| AIR-DKF-B 60-35  | 600  | 740  | 350 | 375 | 400 | 650  | 625  | 9   |
| AIR-DKF-B 70-40  | 700  | 830  | 400 | 430 | 460 | 760  | 730  | 11  |
| AIR-DKF-B 80-50  | 800  | 900  | 500 | 530 | 560 | 860  | 830  | 11  |
| AIR-DKF-B 100-50 | 1000 | 1000 | 500 | 530 | 560 | 1060 | 1060 | 13  |

| Type             | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Condenser µF | Noise dBA | Weight kg |
|------------------|-----------|--------------|---------------|-----------|-----------------|--------------|-----------|-----------|
| AIR-DKF-B 30-15  | 220       | 50           | 66            | 0,3       | 2300            | 3            | 66        | 8,6       |
| AIR-DKF-B 40-20A | 230       | 50           | 100           | 0,47      | 2580            | 3            | 58        | 11,5      |
| AIR-DKF-B 40-20B | 230       | 50           | 150           | 0,7       | 2600            | 4            | 57        | 11,8      |
| AIR-DKF-B 50-25  | 230       | 50           | 200           | 0,9       | 2600            | 6            | 58        | 15,8      |
| AIR-DKF-B 60-35  | 220       | 50           | 210           | 1         | 1400            | 8            | 60        | 43,6      |
| AIR-DKF-B 70-40  | 220       | 50           | 500           | 1,8       | 1380            | 12           | 66        | 57,4      |
| AIR-DKF-B 80-50  | 220       | 50           | 500           | 2,2       | 1300            | 12           | 66        | 59,5      |
| AIR-DKF-B 100-50 | 380       | 50           | 360           | 1,27      | 920             | -            | 62        | 81,5      |

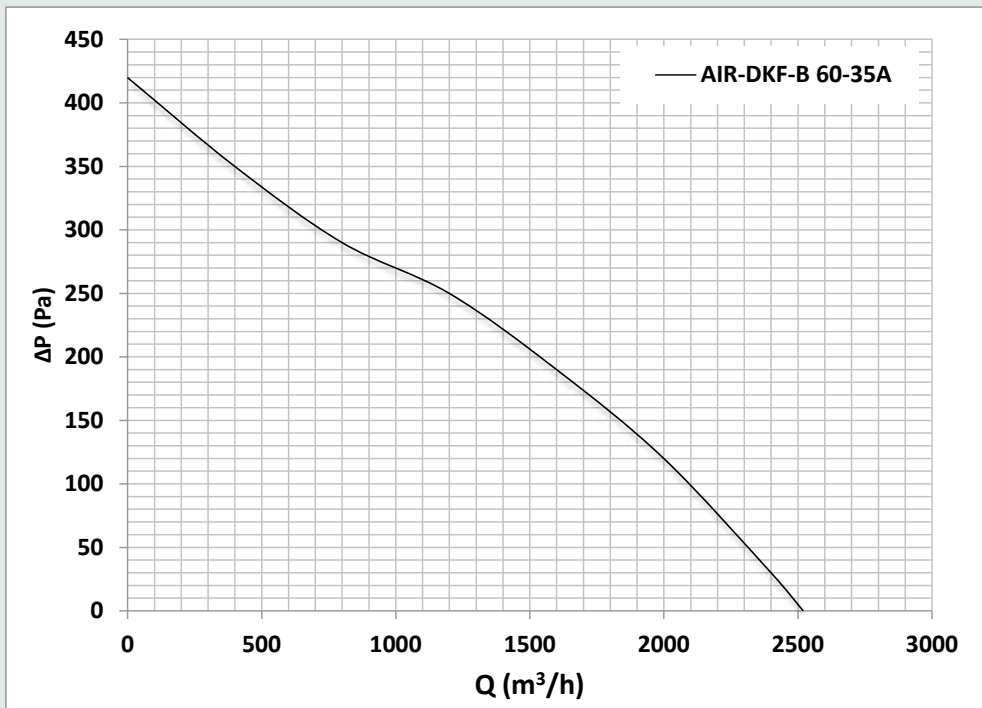
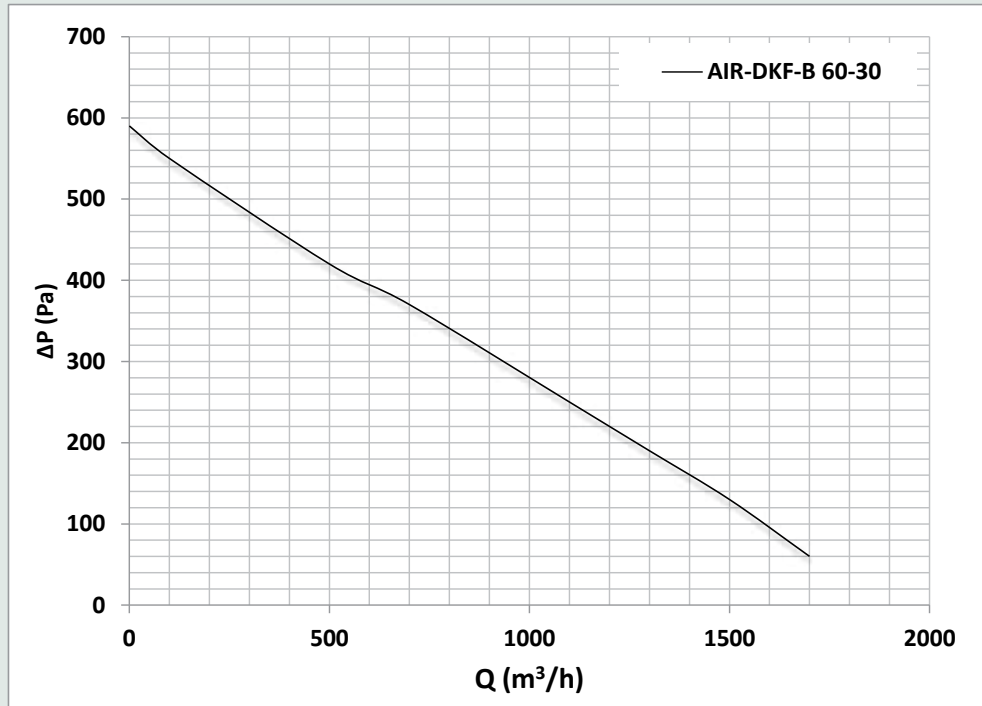
## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series



## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series

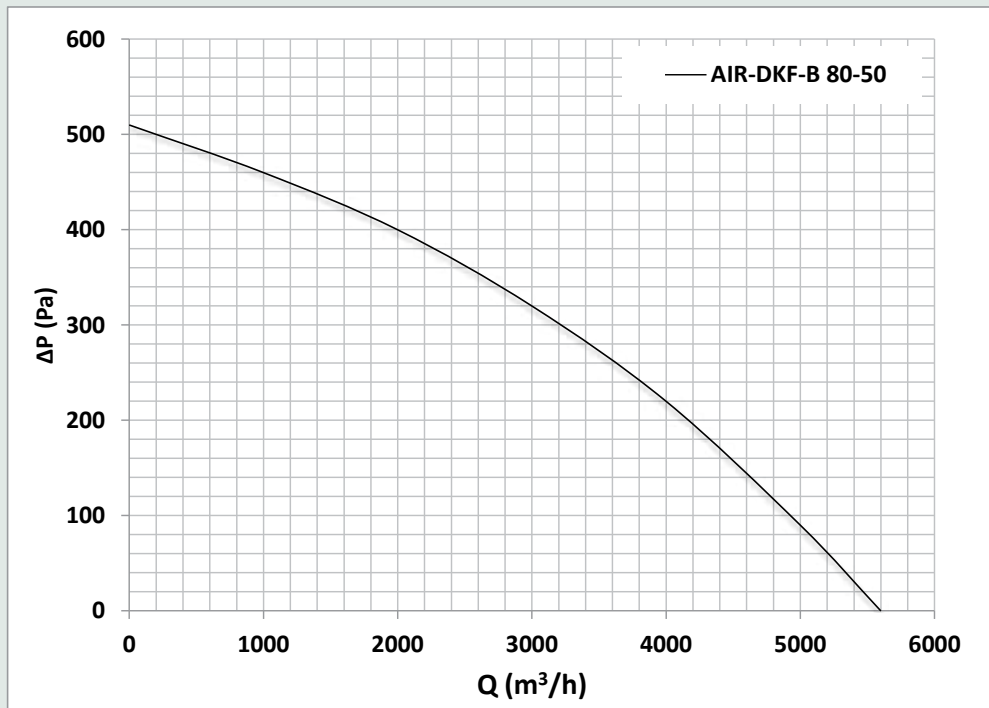
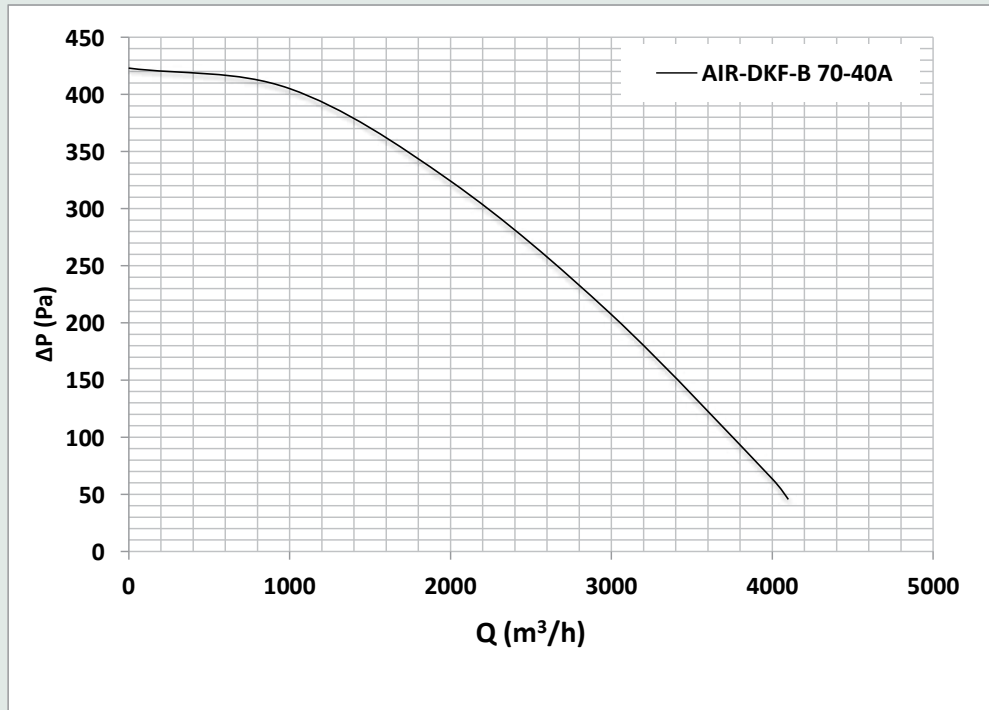


## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series

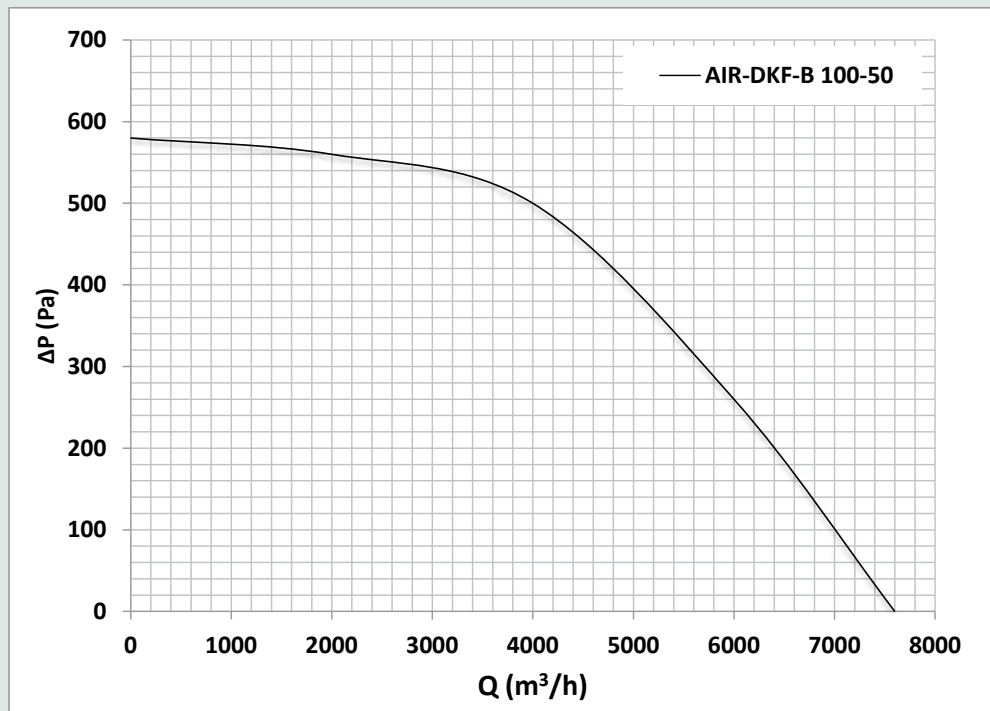




## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series



## Backward Inclined Rectangular Duct with Sparse Fan Blades Fan Series





## Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series

Aironn AIR-DKF-HB series fans are suitable to operate at maximum 120 °C. In order for you to make a selection to meet your need, 6 different models are available. It has high performance due to the backward inclined wheel with sparse fan blades. Folding motor cover provides easy assembly during operation.

### **Fan Body**

Fan body is made of high quality galvanized steel. The fan flanges are manufactured by bending the body so they are self flanged.

### **Fan Blades**

Backward inclined wheels with sparse fan blades used in AIR-DKF-HB series are made of galvanized steel.

The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### **Motor**

F insulation class motor is outside the air flow. Motors are suitable to use with inverters when required.

### **Electricity**

IP 55 electric terminal box made of plastic is standard.

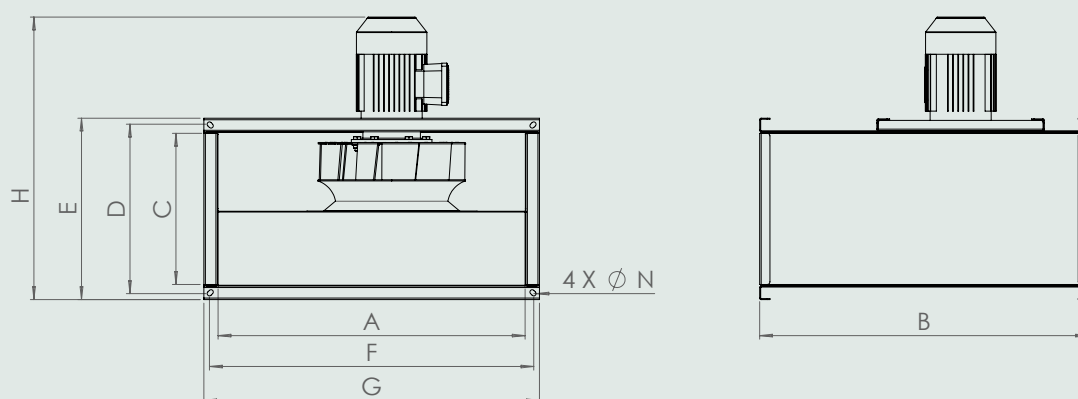
### **Accessories**

Inverter, Damper, Duct Type Silencer



# Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series

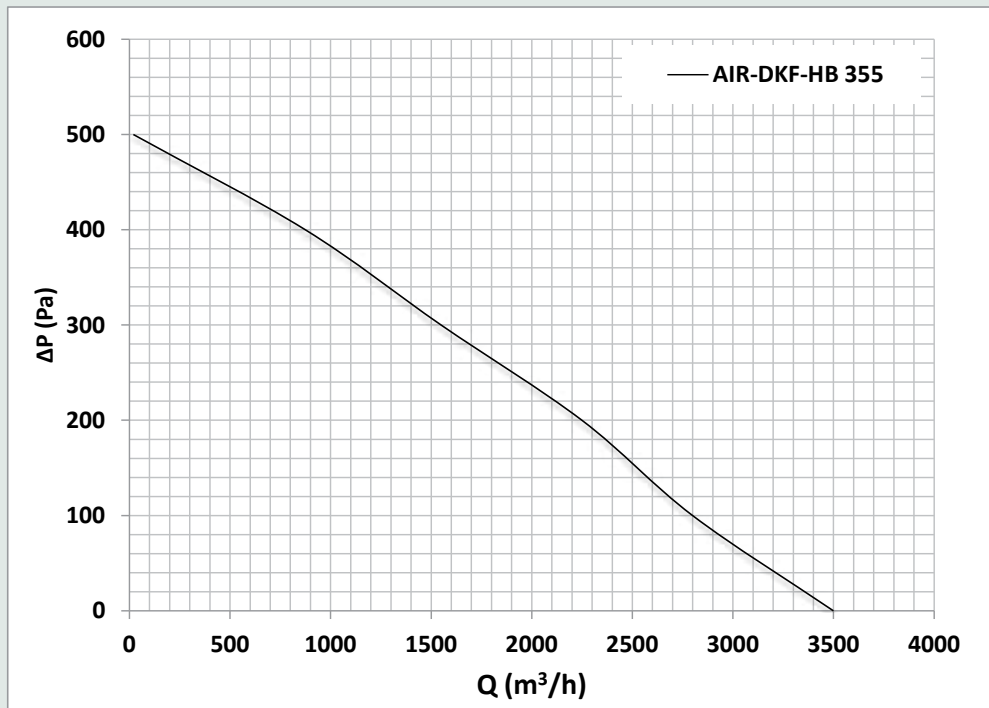
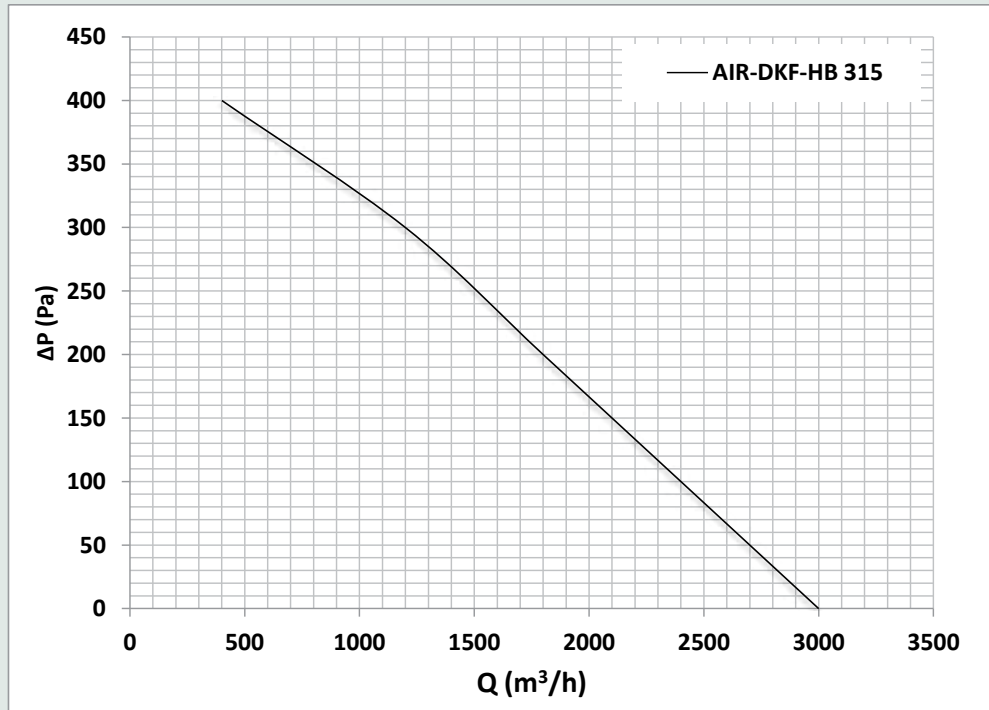
## Dimensions



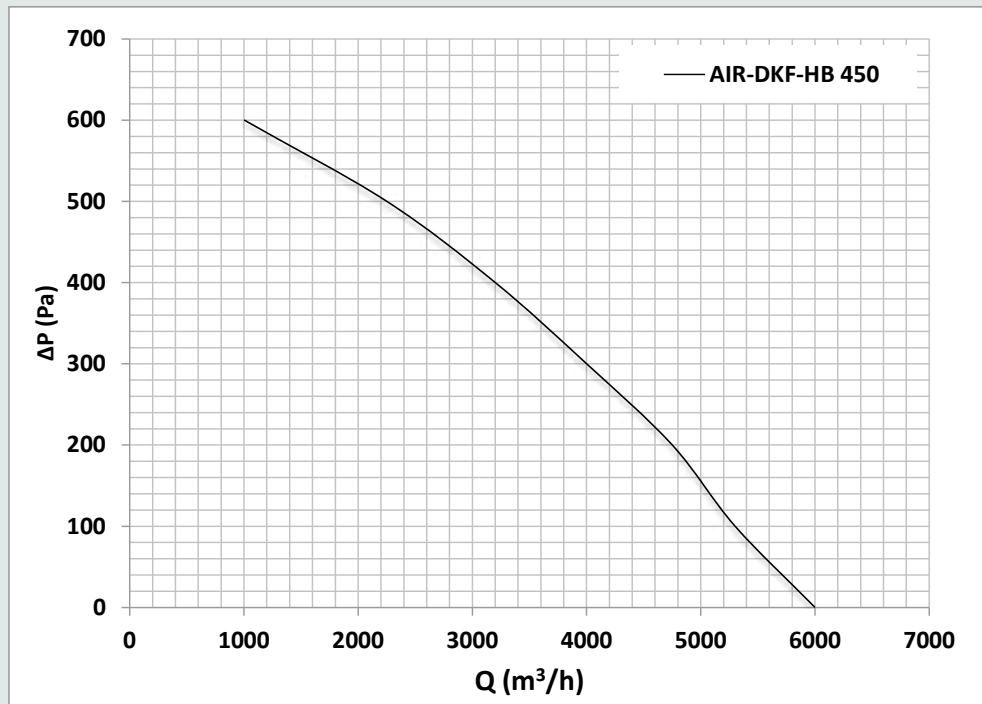
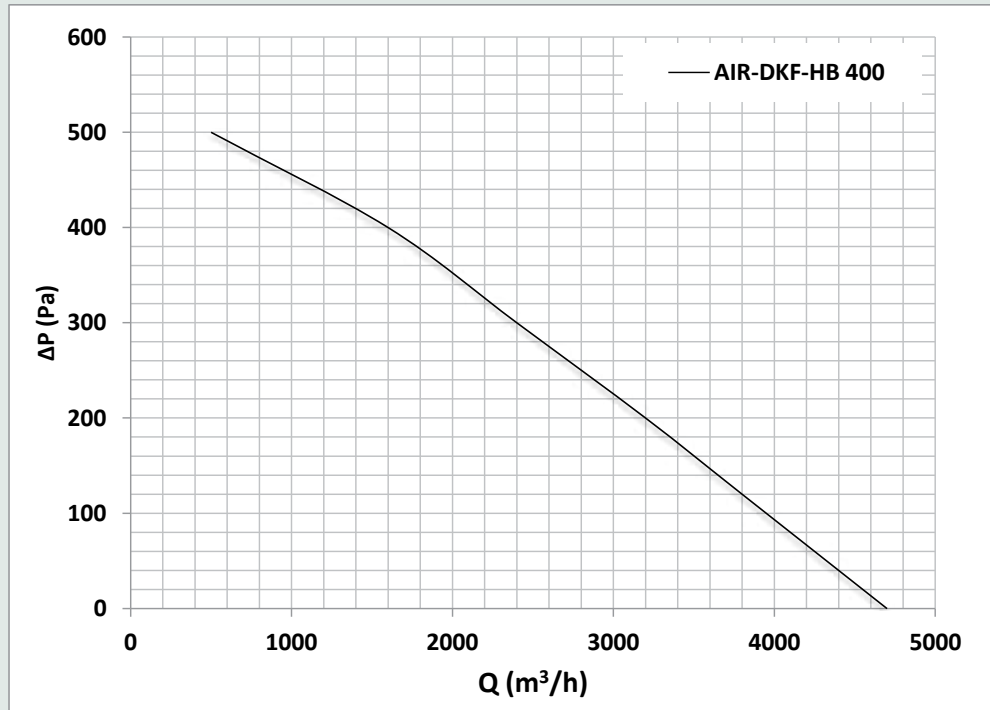
|                    | A    | B    | C   | D   | E   | F    | G    | H   | Ø N |
|--------------------|------|------|-----|-----|-----|------|------|-----|-----|
| AIR-DKF-HB 60-35 A | 600  | 760  | 350 | 370 | 400 | 620  | 650  | 550 | 9   |
| AIR-DKF-HB 60-35 B | 600  | 760  | 350 | 370 | 400 | 620  | 650  | 550 | 9   |
| AIR-DKF-HB 70-40 A | 700  | 800  | 400 | 420 | 450 | 720  | 750  | 630 | 11  |
| AIR-DKF-HB 70-40 B | 700  | 800  | 400 | 420 | 450 | 720  | 750  | 630 | 11  |
| AIR-DKF-HB 80-50   | 800  | 920  | 500 | 520 | 560 | 820  | 850  | 780 | 11  |
| AIR-DKF-HB 100-50  | 1000 | 1050 | 500 | 530 | 560 | 1030 | 1060 | 780 | 13  |

| Type               | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Noise dBA | Weight kg |
|--------------------|-----------|--------------|---------------|-----------|-----------------|-----------|-----------|
| AIR-DKF-HB 60-35 A | 230/380   | 50           | 250           | 1.8/0.81  | 1440            | 68        | 35        |
| AIR-DKF-HB 60-35 B | 230/380   | 50           | 370           | 2.6/1.15  | 1420            | 69        | 36        |
| AIR-DKF-HB 70-40 A | 230/380   | 50           | 550           | 3.3/1.5   | 1470            | 75        | 49        |
| AIR-DKF-HB 70-40 B | 230/380   | 50           | 1100          | 7.1/2.6   | 1450            | 78        | 52        |
| AIR-DKF-HB 80-50   | 230/380   | 50           | 1500          | 9.3/3.5   | 1400            | 80        | 74        |
| AIR-DKF-HB 100-50  | 230/380   | 50           | 2200          | 13.4/5.1  | 1440            | 80        | 91        |

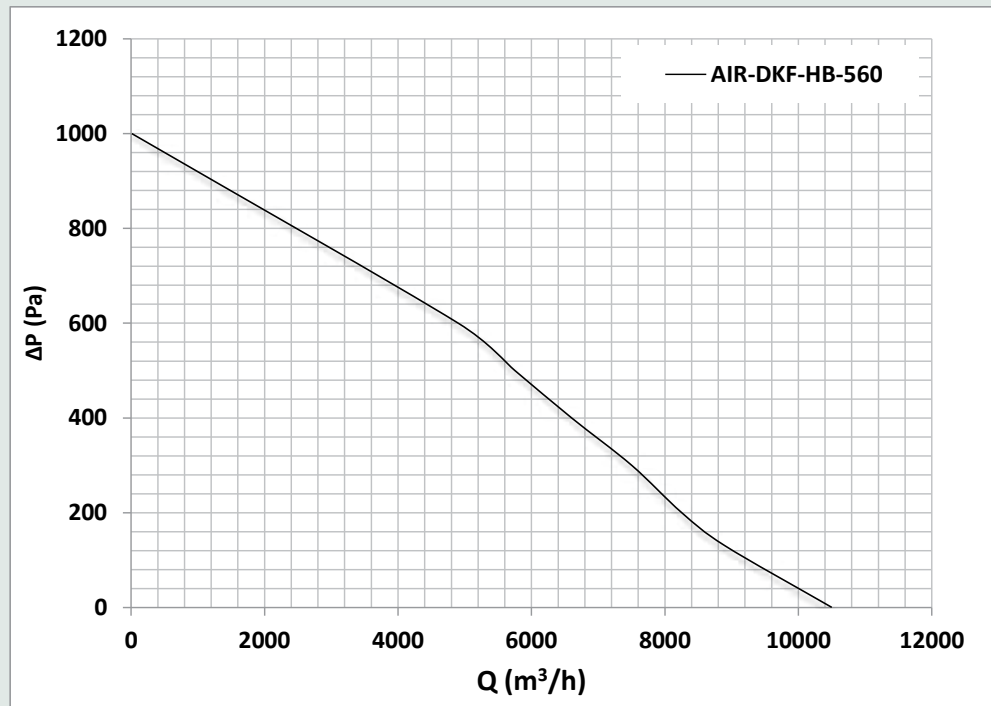
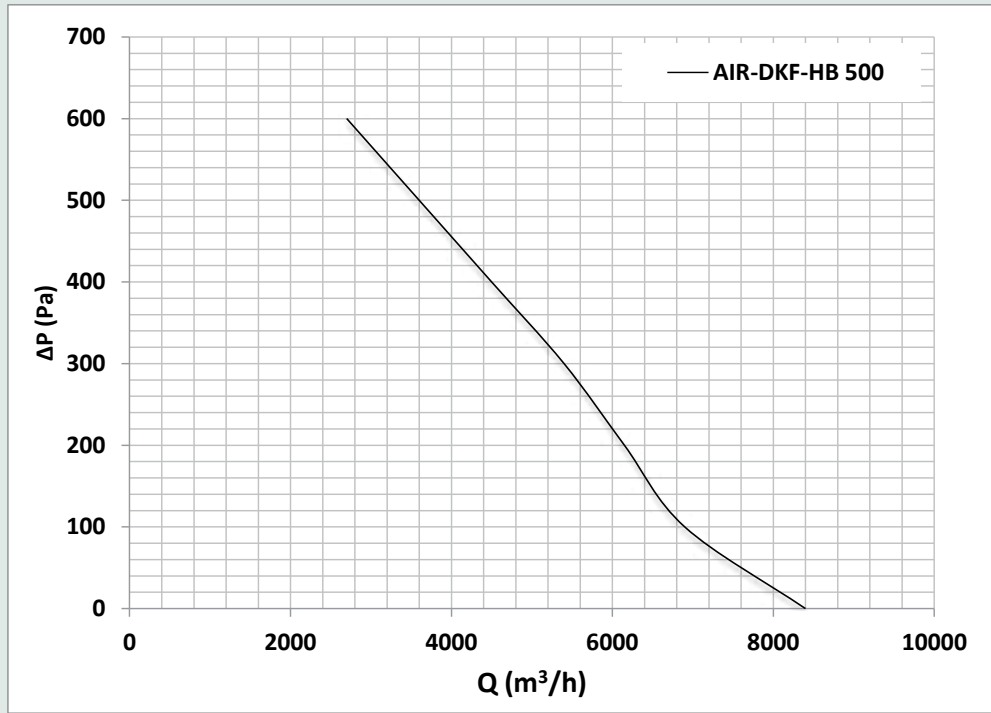
## Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series



## Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series



## Backward Inclined Rectangular Duct with Sparse Fan Blades Driven by External Motor Fan Series







## Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series

Aironn AIR-DKF-F series fans are suitable to operate at maximum maximum 55 °C. In order for you to make a selection to meet your need, 5 different models are available. They meet high pressure needs due to forward inclined wheel with multi fan blades. Folding motor cover provides easy assembly during operation.

### Fan Body

Fan body is made of high quality galvanized steel. The fan flanges are manufactured by bending the body so they are self flanged.

### Fan Blades

Forward inclined wheels with multi fan blades used in AIR-DKF-F series are made of galvanized steel. The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### Motor

F insulation class motor is inside the air flow. Micro thermostat protection against high temperature is optional.

### Electricity

IP 55 electric terminal box made of plastic is standard.

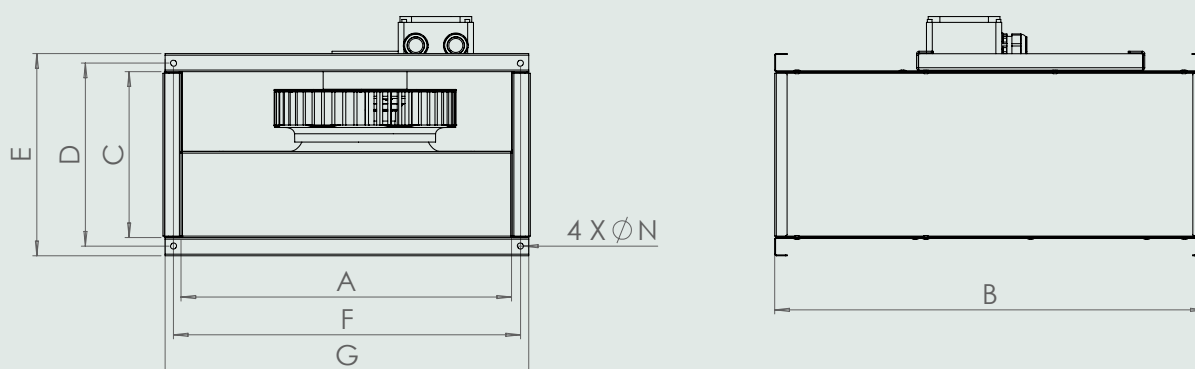
### Accessories

Speed Control Switch, Damper, Duct Type Silencer



# Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series

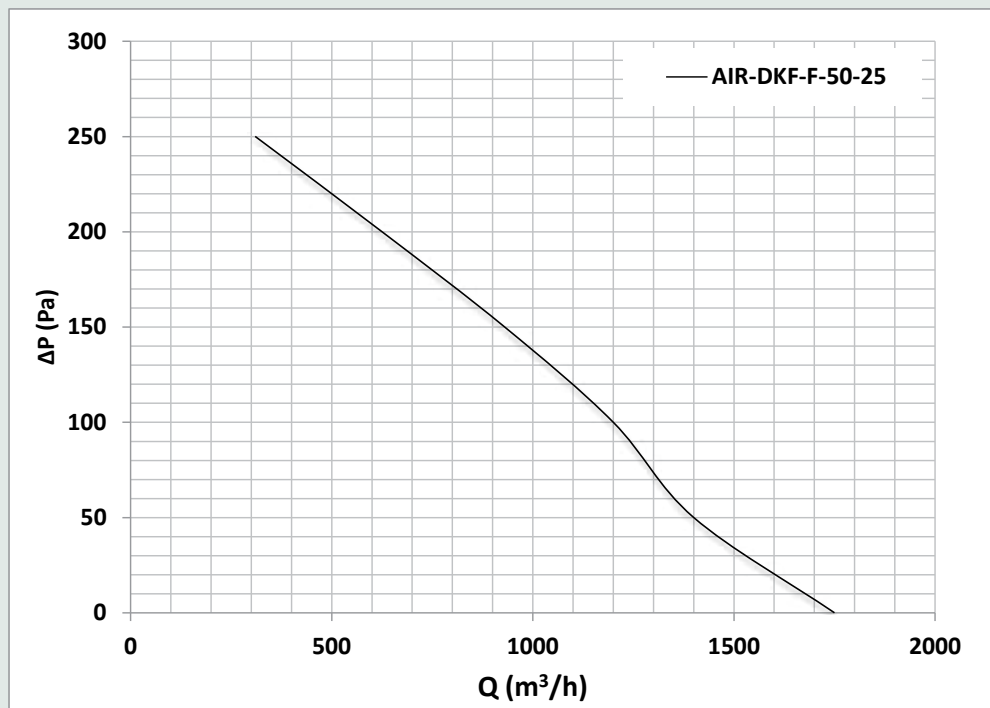
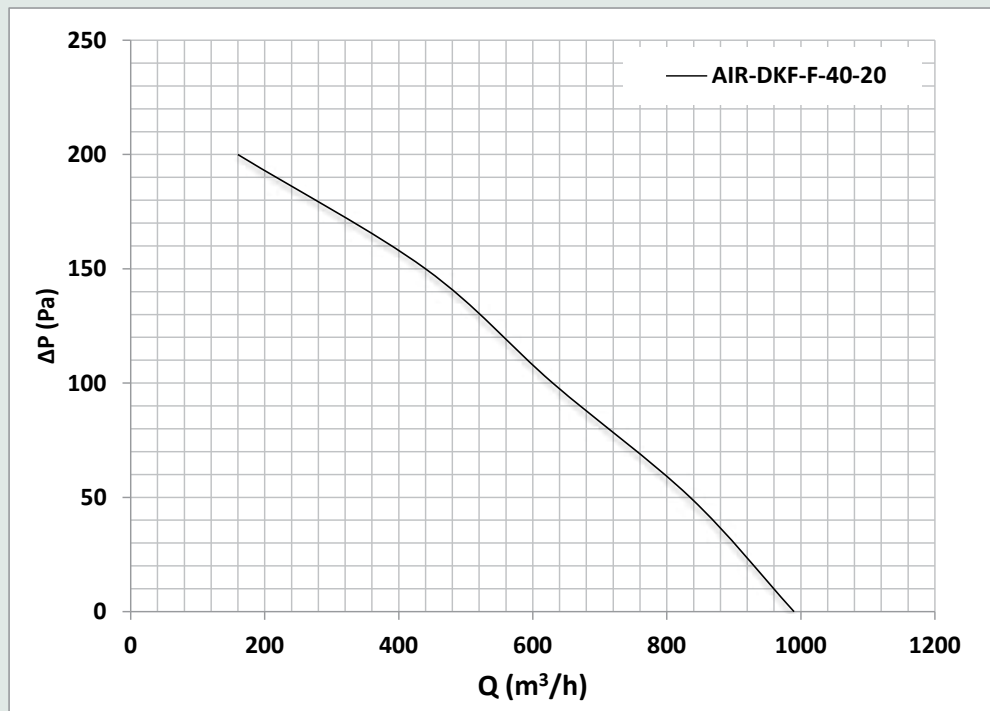
## Dimensions



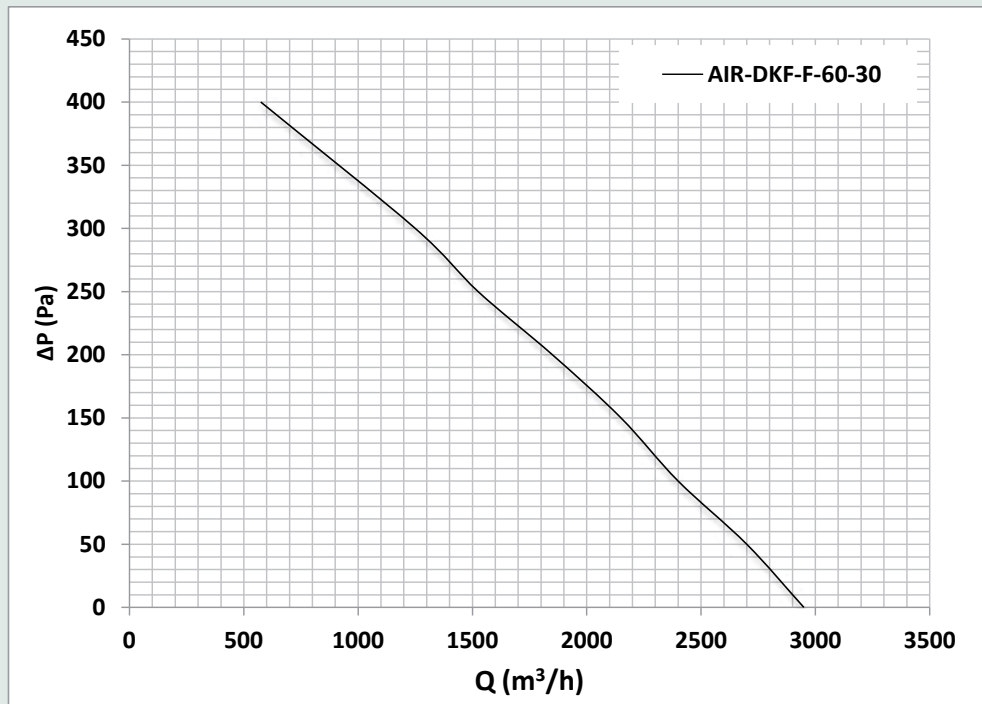
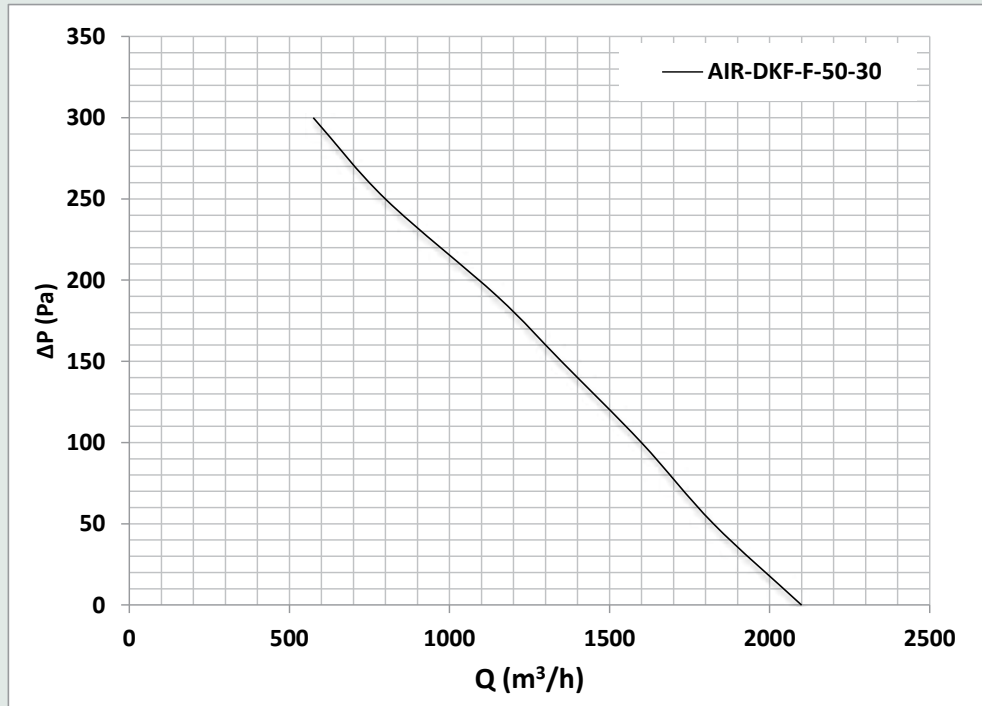
|                 | A   | B   | C   | D   | E   | F   | G   | Ø N |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
| AIR-DKF-F 40-20 | 398 | 502 | 198 | 220 | 240 | 420 | 440 | 7   |
| AIR-DKF-F 50-25 | 498 | 532 | 248 | 270 | 290 | 520 | 540 | 7   |
| AIR-DKF-F 50-30 | 498 | 562 | 298 | 320 | 340 | 520 | 540 | 9   |
| AIR-DKF-F 60-30 | 598 | 642 | 298 | 320 | 340 | 620 | 640 | 9   |
| AIR-DKF-F 60-35 | 600 | 720 | 348 | 370 | 390 | 620 | 650 | 9   |

| Type            | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Condenser µF | Noise dBA | Weight kg |
|-----------------|-----------|--------------|---------------|-----------|-----------------|--------------|-----------|-----------|
| AIR-DKF-F 40-20 | 230       | 50           | 195           | 0,9       | 1420            | 6            | 58        | 14        |
| AIR-DKF-F 50-25 | 230       | 50           | 450           | 2         | 1395            | 8            | 70        | 19        |
| AIR-DKF-F 50-30 | 230       | 50           | 590           | 2,6       | 1370            | 14           | 72        | 23        |
| AIR-DKF-F 60-30 | 380       | 50           | 1320          | 2,7       | 1390            | -            | 75        | 36        |
| AIR-DKF-F 60-35 | 380       | 50           | 2630          | 1,5       | 1485            | -            | 70        | 44        |

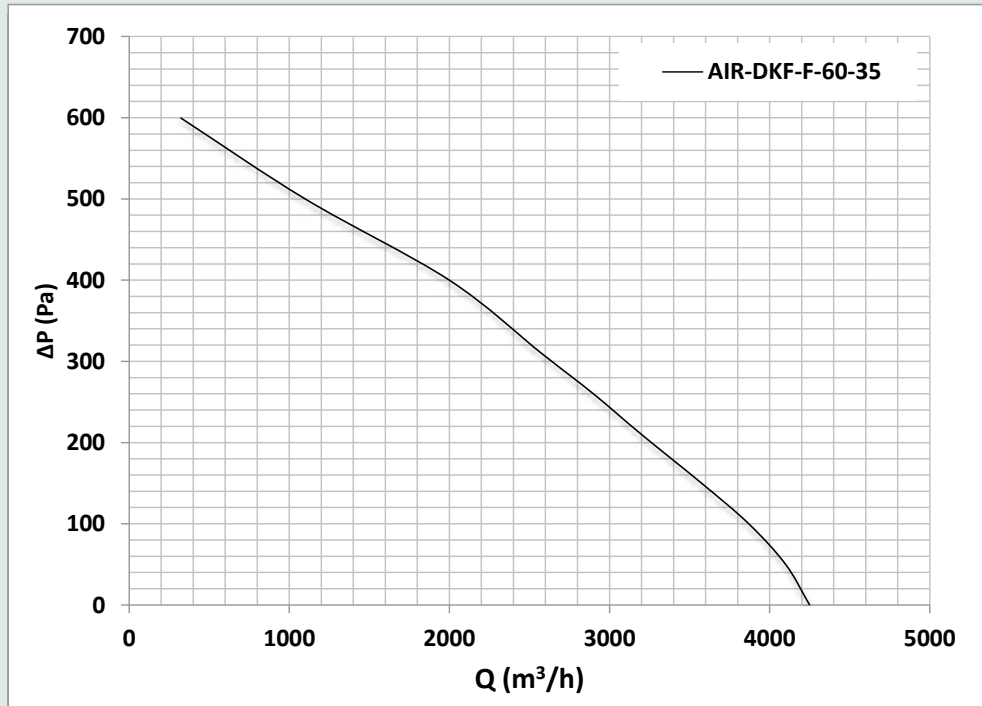
## Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series



## Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series



## Forward Inclined Rectangular Duct with Multi Fan Blades Fan Series





## EC Rectangular Duct Type Fan Series

Aironn AIR-DKF-B-... EC Series fans are suitable to operate at maximum 55 °C. In order for you to make a selection to meet your need, 7 different models are available. EC motor fans adjust motor speed by way of their smart speed units and provide high productivity and comfort. While productivity of AC motor fans is around 15-70% depending on the operating point, this value reaches up to 90% for EC motor fans. Folding motor cover provides easy assembly during operation.

### Fan Body

Fan body is made of high quality galvanized steel. The fan flanges are manufactured by bending the body so they are self flanged.

### Fan Blades

Wheels used in DKF-B... EC Series fans are made of plastic. The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### Motor

B-F insulation class motor is inside the air flow.

### Electricity

IP 55 electric terminal box made of plastic is standard.

### Accessories

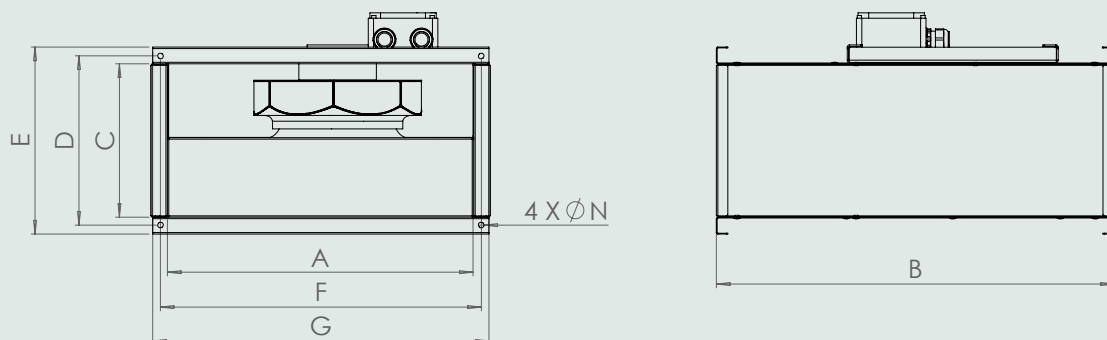
Smart Control Unit, Damper, Duct Type Silencer





## EC Rectangular Duct Type Fan Series

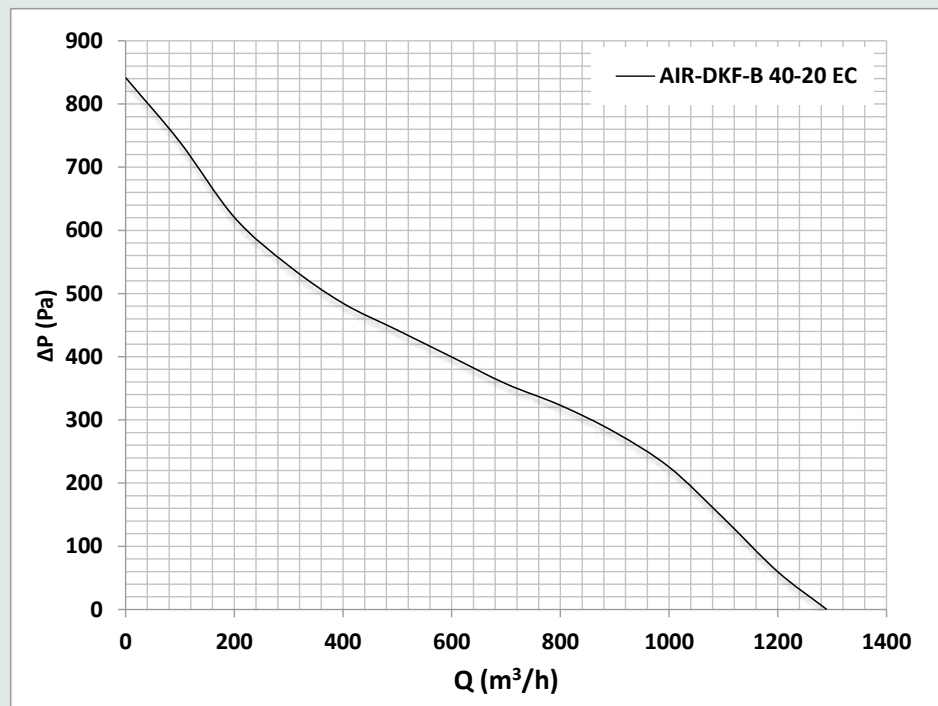
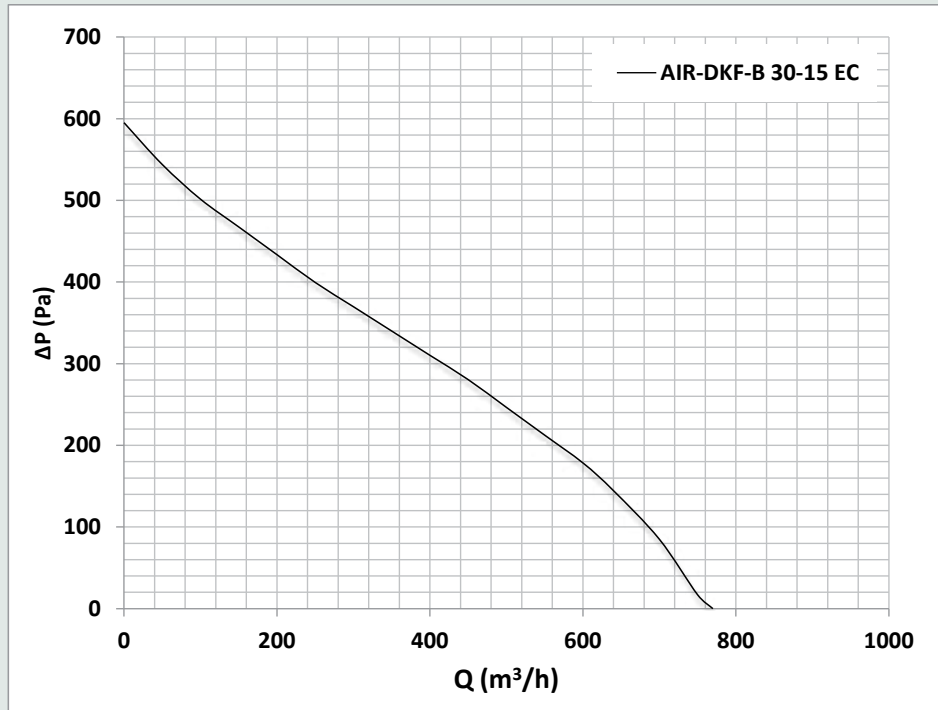
### Dimensions



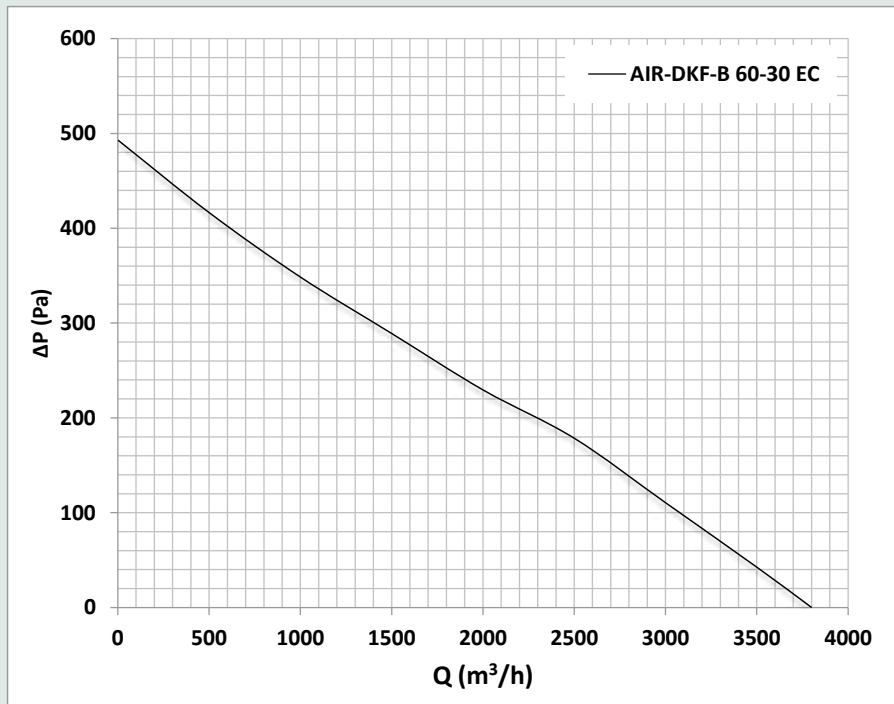
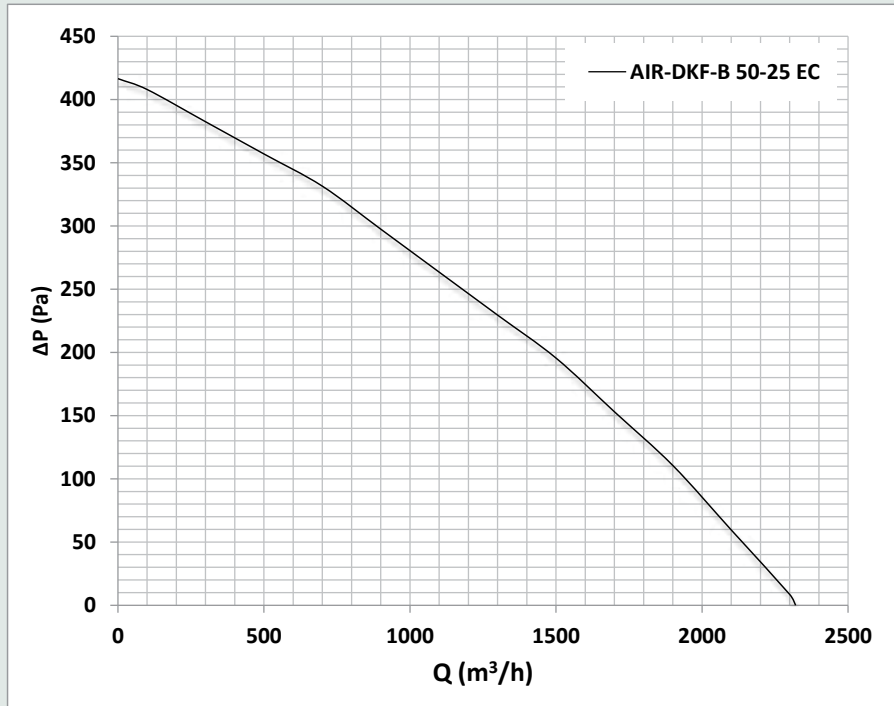
|                     | A    | B    | C   | D   | E   | F    | G    | Ø N |
|---------------------|------|------|-----|-----|-----|------|------|-----|
| AIR-DKF-B 30-15-EC  | 300  | 430  | 150 | 175 | 200 | 350  | 325  | 7   |
| AIR-DKF-B 40-20-EC  | 400  | 520  | 200 | 225 | 250 | 450  | 425  | 7   |
| AIR-DKF-B 50-25-EC  | 500  | 620  | 250 | 275 | 300 | 550  | 525  | 9   |
| AIR-DKF-B 60-35-EC  | 600  | 640  | 350 | 375 | 400 | 650  | 625  | 9   |
| AIR-DKF-B 70-40-EC  | 700  | 830  | 400 | 430 | 460 | 760  | 730  | 11  |
| AIR-DKF-B 80-50-EC  | 800  | 1000 | 500 | 530 | 560 | 860  | 830  | 11  |
| AIR-DKF-B 100-50-EC | 1000 | 1000 | 500 | 530 | 560 | 1060 | 1060 | 13  |

| Type                | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Noise dBA | Weight kg |
|---------------------|-----------|--------------|---------------|-----------|-----------------|-----------|-----------|
| AIR-DKF-B 30-15-EC  | 200-240   | 50           | 83            | 0,75      | 3200            | 72        | 8,1       |
| AIR-DKF-B 40-20-EC  | 200-240   | 50           | 168           | 1,4       | 3230            | 77        | 11,15     |
| AIR-DKF-B 50-25-EC  | 200-240   | 50           | 168           | 1,4       | 1910            | 74        | 16        |
| AIR-DKF-B 60-35-EC  | 200-277   | 50           | 250           | 1,1       | 1450            | 76        | 44        |
| AIR-DKF-B 70-40-EC  | 200-277   | 50           | 500           | 2,2       | 1500            | 80        | 53,75     |
| AIR-DKF-B 80-50-EC  | 200-277   | 50           | 750           | 3,3       | 1100            | 77        | 62,5      |
| AIR-DKF-B 100-50-EC | 380-480   | 50           | 2360          | 3,65      | 1540            | 86        | 96,5      |

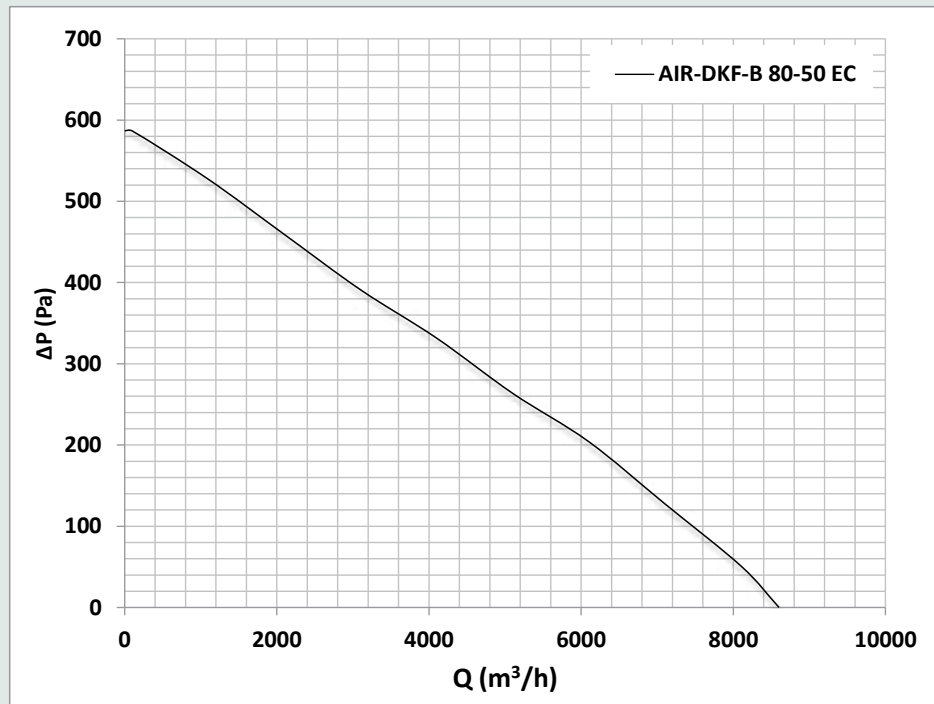
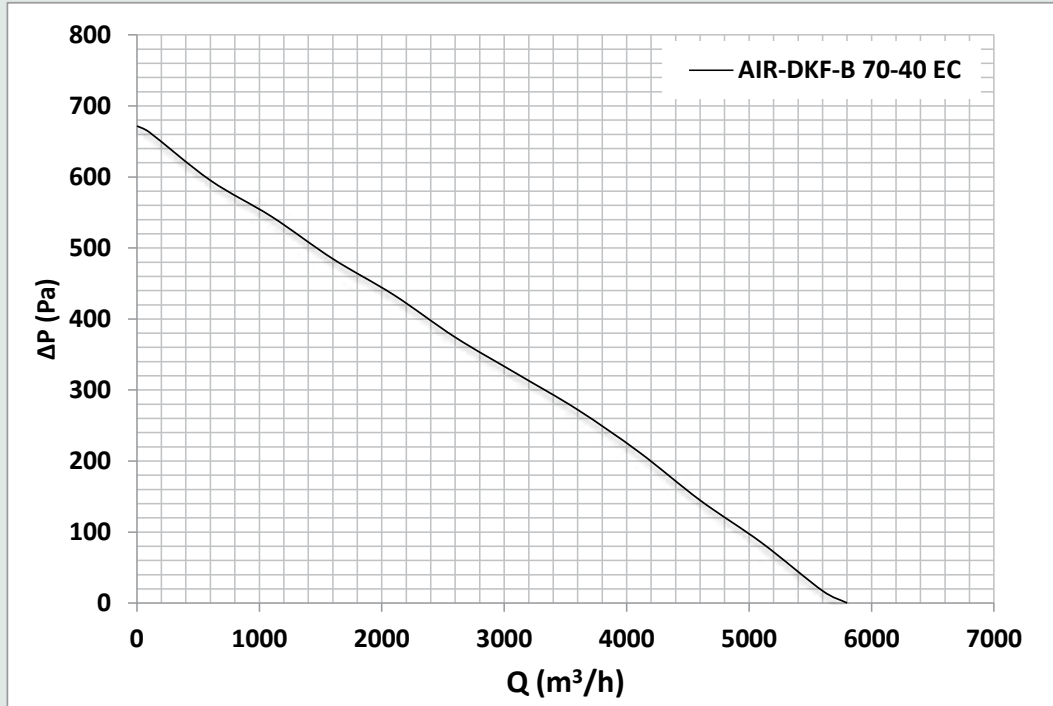
## EC Rectangular Duct Type Fan Series



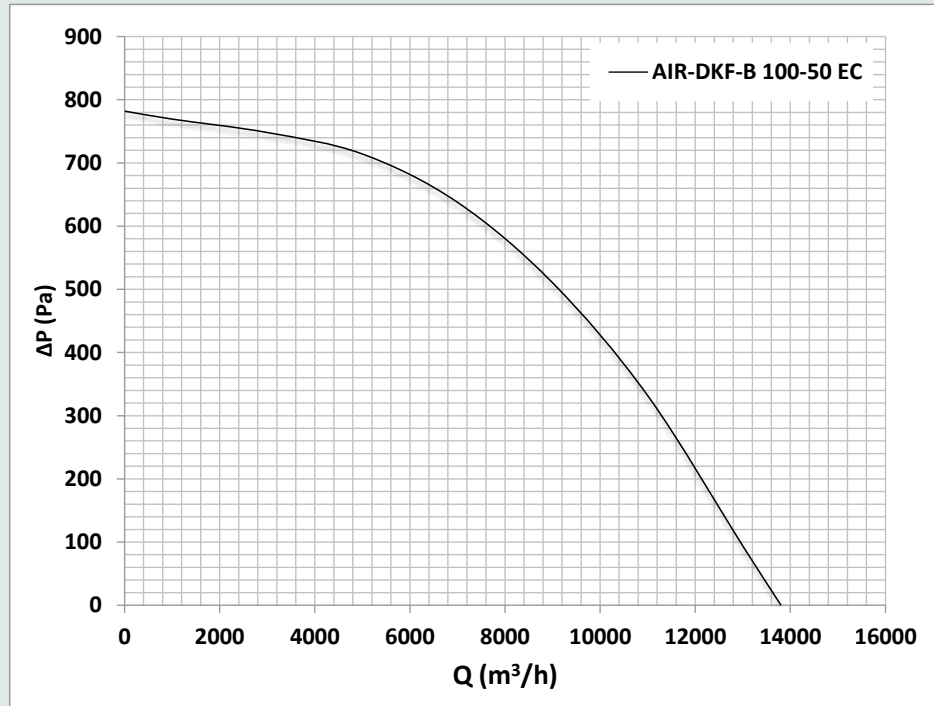
## EC Rectangular Duct Type Fan Series



## EC Rectangular Duct Type Fan Series



## EC Rectangular Duct Type Fan Series



## Round Duct Fan Series

Aironn AIR-YKF Series fans are suitable to operate at maximum 55 °C. In order for you to make a selection to meet your need, 5 different models are available. They meet high pressure needs due to forward inclined wheel with multi fan blades. Folding motor cover provides easy assembly during operation.

### Fan Body

Fan body is made of high quality galvanized steel. They are electrostatic powder coated.

### Fan Blades

Forward inclined wheels with multi fan blades used in AIR-YKF series are made of galvanized steel. The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### Motor

B insulation class motor is inside the air flow. Micro thermostat protection against high temperature is optional.

### Electricity

IP 55 electric terminal box made of plastic is standard.

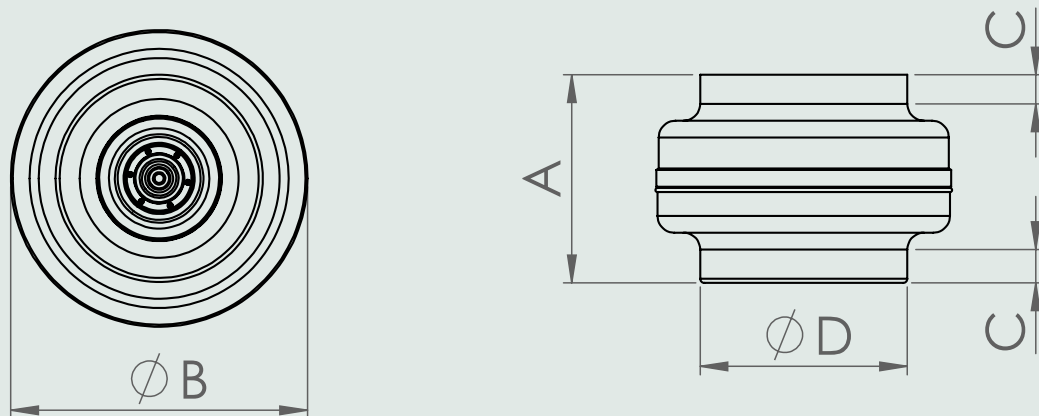
### Accessories

Speed Control Switch



## Round Duct Fan Series

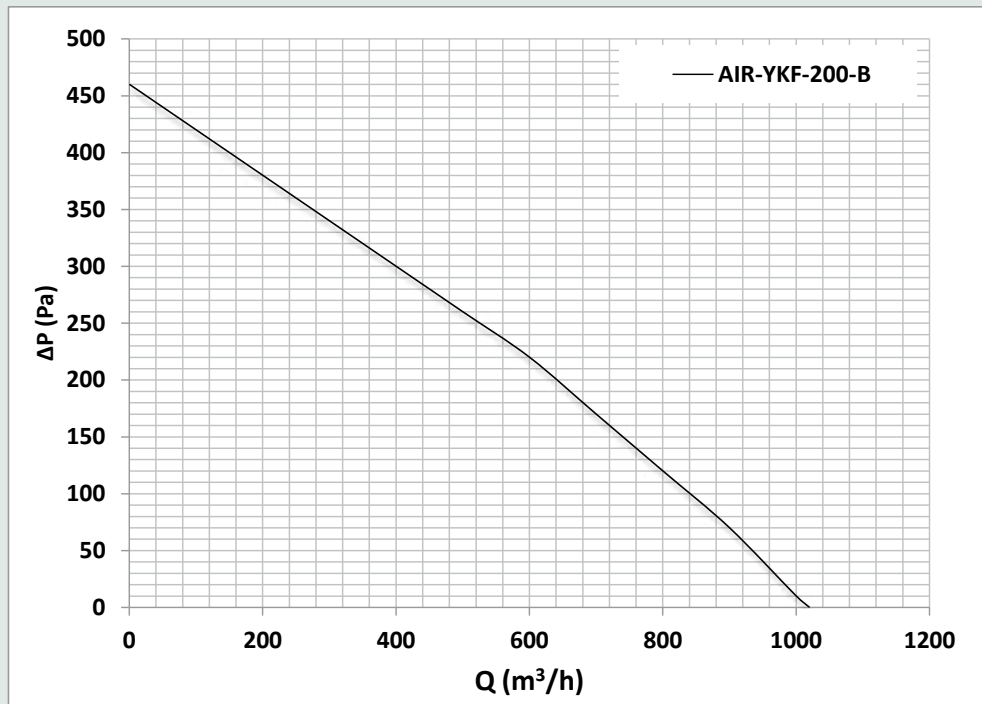
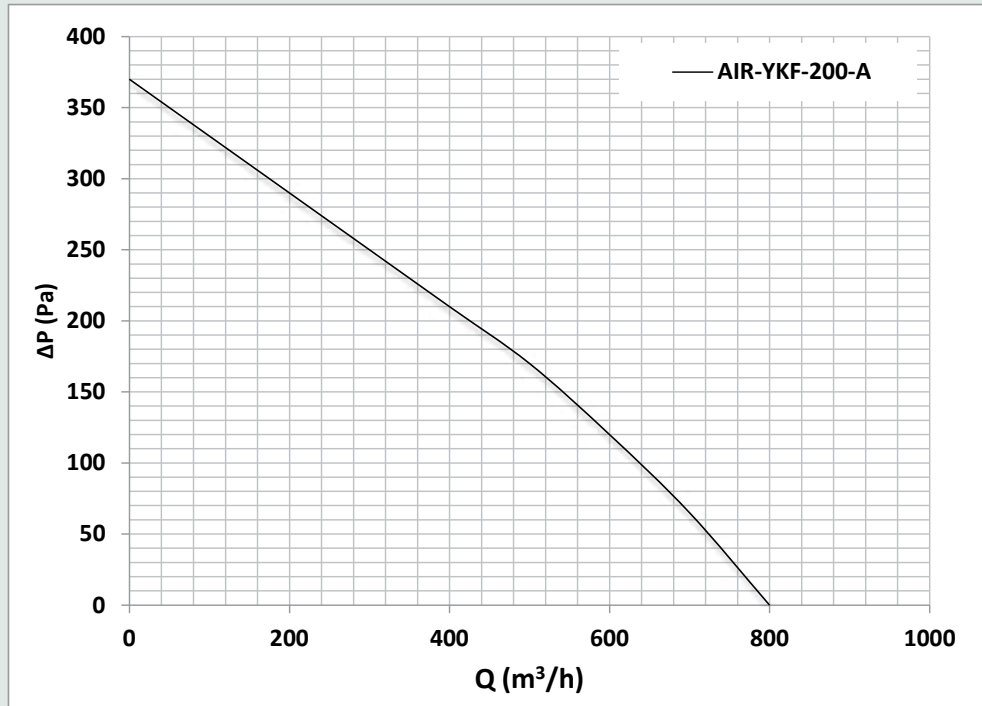
### Dimensions



|               | A   | B   | D   |
|---------------|-----|-----|-----|
| AIR-YKF 200 A | 214 | 323 | 198 |
| AIR-YKF 200 B | 214 | 323 | 198 |
| AIR-YKF 250 A | 249 | 353 | 248 |
| AIR-YKF 250 B | 249 | 353 | 248 |
| AIR-YKF 315 A | 270 | 403 | 313 |
| AIR-YKF 315 B | 270 | 403 | 313 |

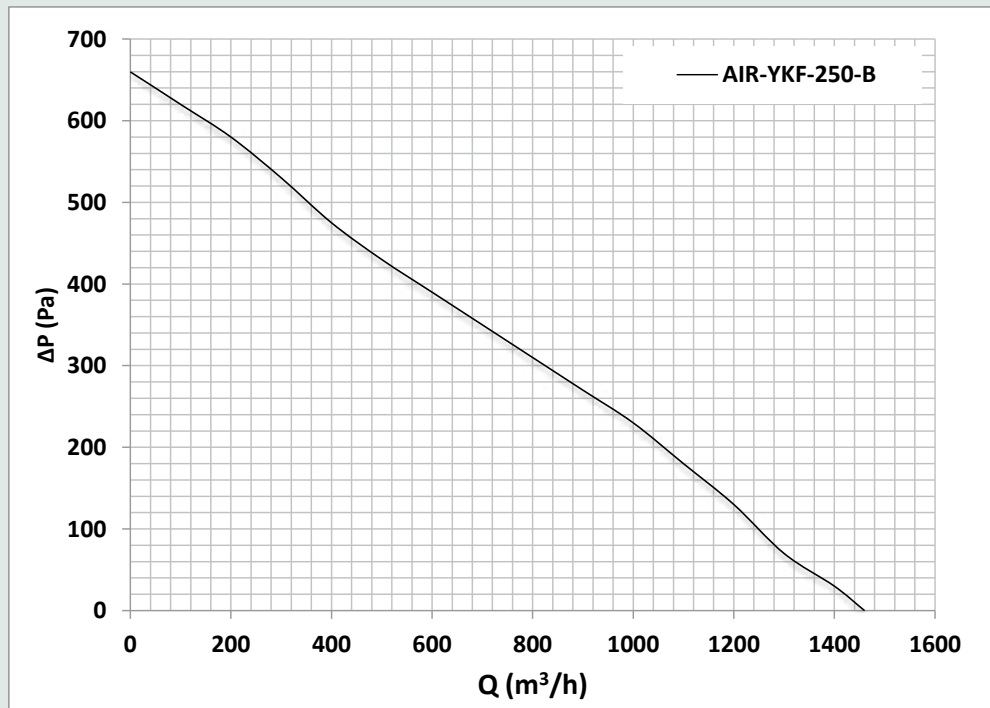
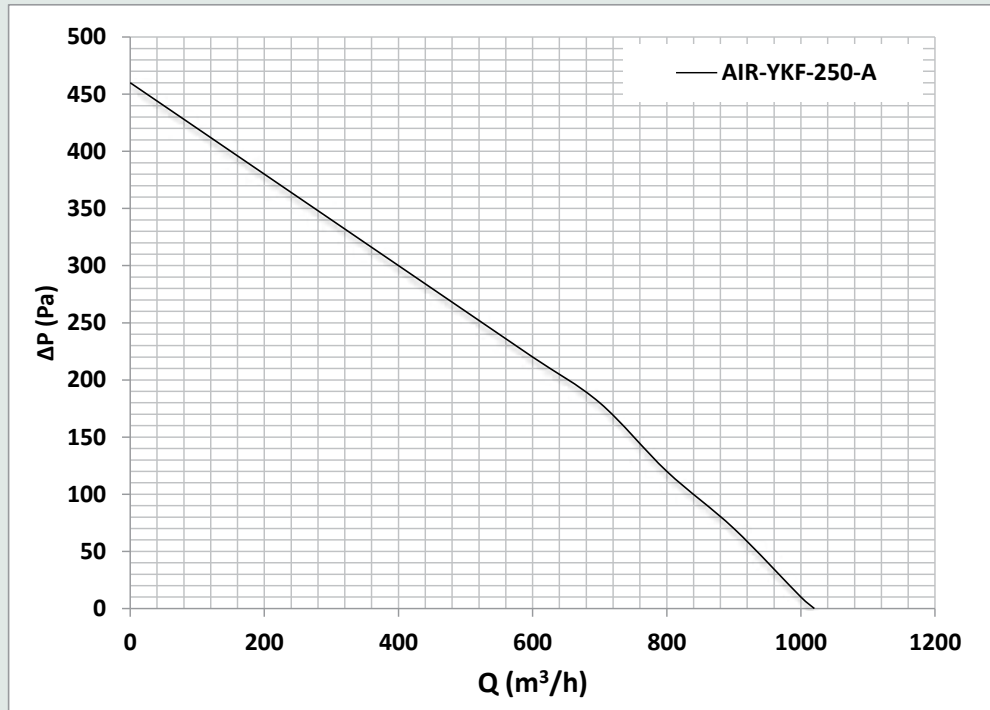
| Type          | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Condenser $\mu$ F | Noise dBA | Weight kg |
|---------------|-----------|--------------|---------------|-----------|-----------------|-------------------|-----------|-----------|
| AIR-YKF 200 A | 220       | 50           | 66            | 0,3       | 2300            | 3                 | 66        | 4,2       |
| AIR-YKF 200 B | 230       | 50           | 100           | 0,47      | 2580            | 3                 | 58        | 4,4       |
| AIR-YKF 250 A | 230       | 50           | 150           | 0,7       | 2600            | 4                 | 57        | 5,4       |
| AIR-YKF 250 B | 230       | 50           | 200           | 0,9       | 2600            | 6                 | 58        | 6         |
| AIR-YKF 315 A | 230       | 50           | 250           | 1,1       | 2500            | 8                 | 60        | 6,8       |
| AIR-YKF 315 B | 220       | 50           | 135           | 0,6       | 1400            | 4                 | 63        | 7,6       |

## Round Duct Fan Series

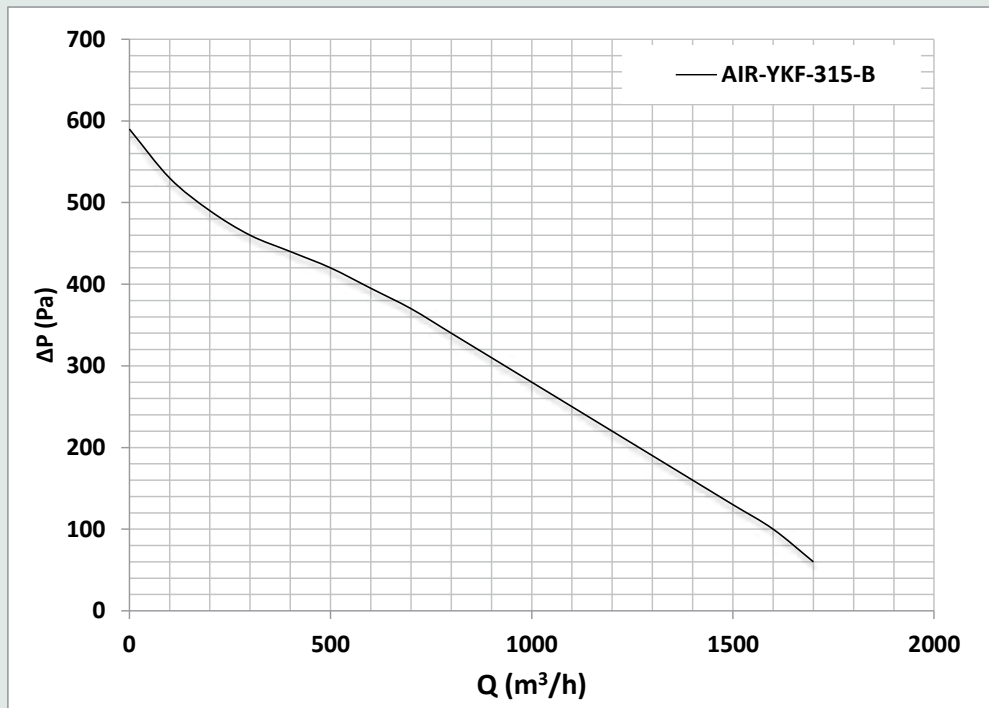
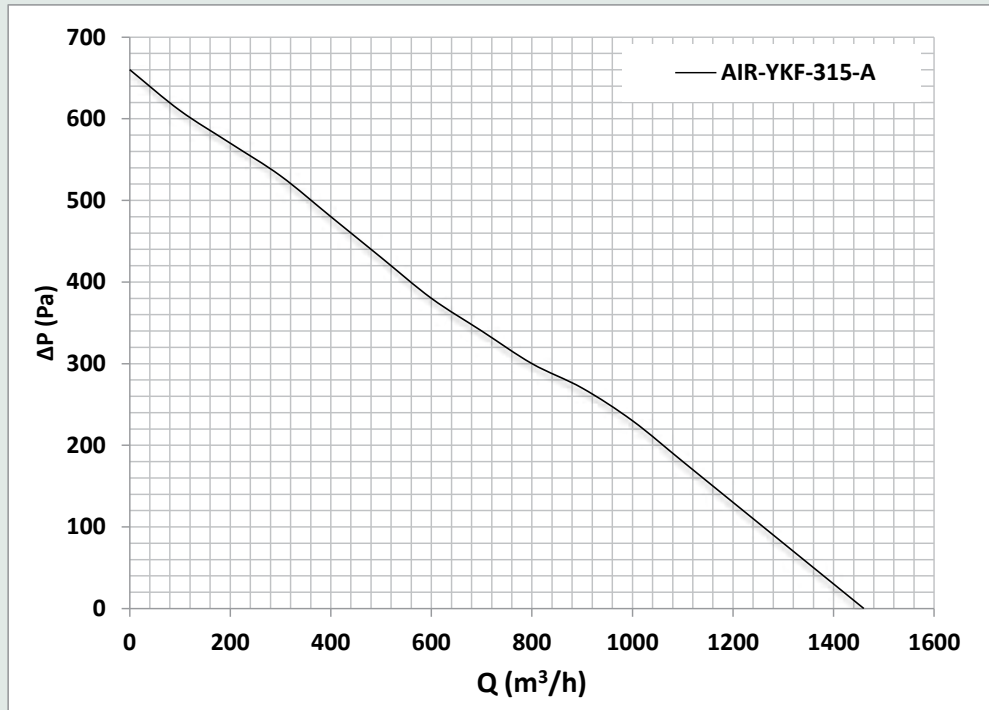




## Round Duct Fan Series



## Round Duct Fan Series





# Duct Type Shelter Ventilation Series

Aironn AIR-SK Series ventilators are designed for shelters and suitable to operate at maximum 55 °C. In order for you to make a selection to meet your need, 9 different models are available. It has high performance due to the backward inclined wheel with sparse fan blades. Designed in compliance with building regulation, AIR-SK Series ventilators are easy to operate due to their easily replaceable filters.

### Filters

Standard accessories of AIR-SK Series fans are Radioactive Nuclear Fallout Adsorbent Filter, Active Carbon Filter and G+ roughing filter. Lead Eliminator is optional.

### Damper

By-pass damper unit is standard along with the product.

### Fan Body

Fan body is made of high quality galvanized steel. The fan flanges are manufactured by bending the body so they are self flanged.

### Fan Blades

Backward inclined wheels with sparse fan blades used in AIR-SK series are made of galvanized steel. The wheels are statically and dynamically balanced in compliance with ISO 1940/1-2003.

### Motor

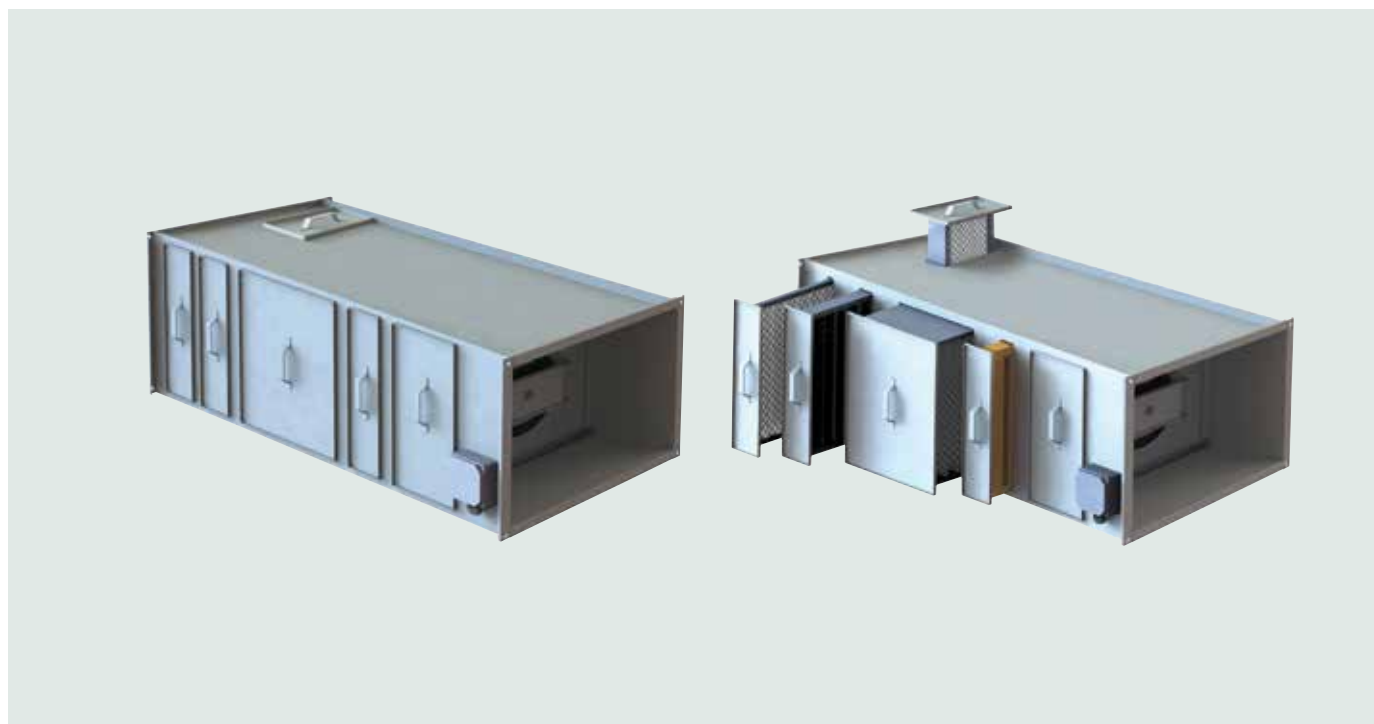
B insulation class motor is inside the air flow. Micro thermostat protection against high temperature is optional.

### Electricity

IP 55 electric terminal box made of plastic is standard.

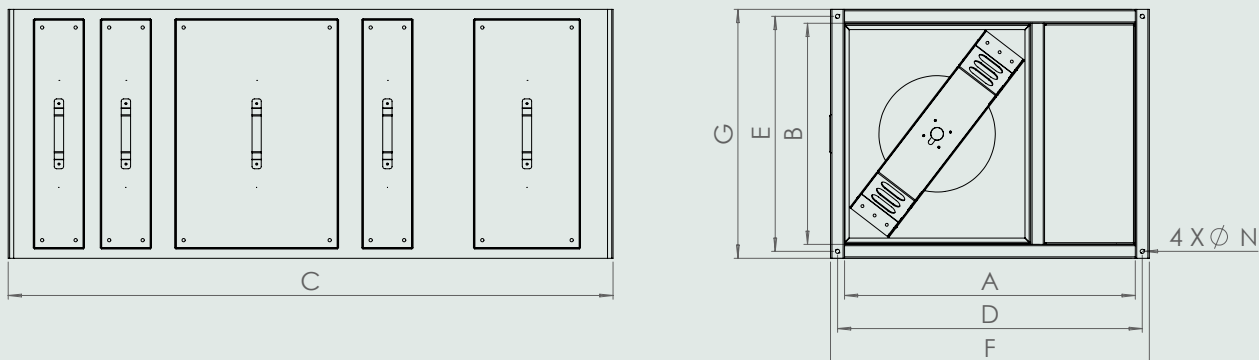
### Accessories

Speed Control Switch, Duct Type Silencer



## Duct Type Shelter Ventilation Series

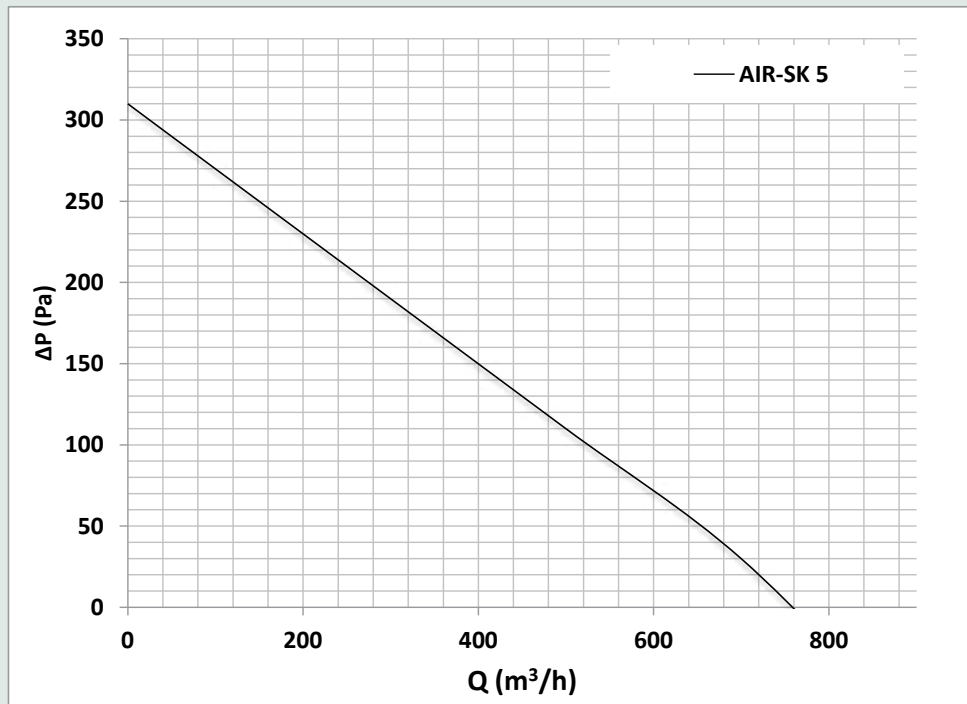
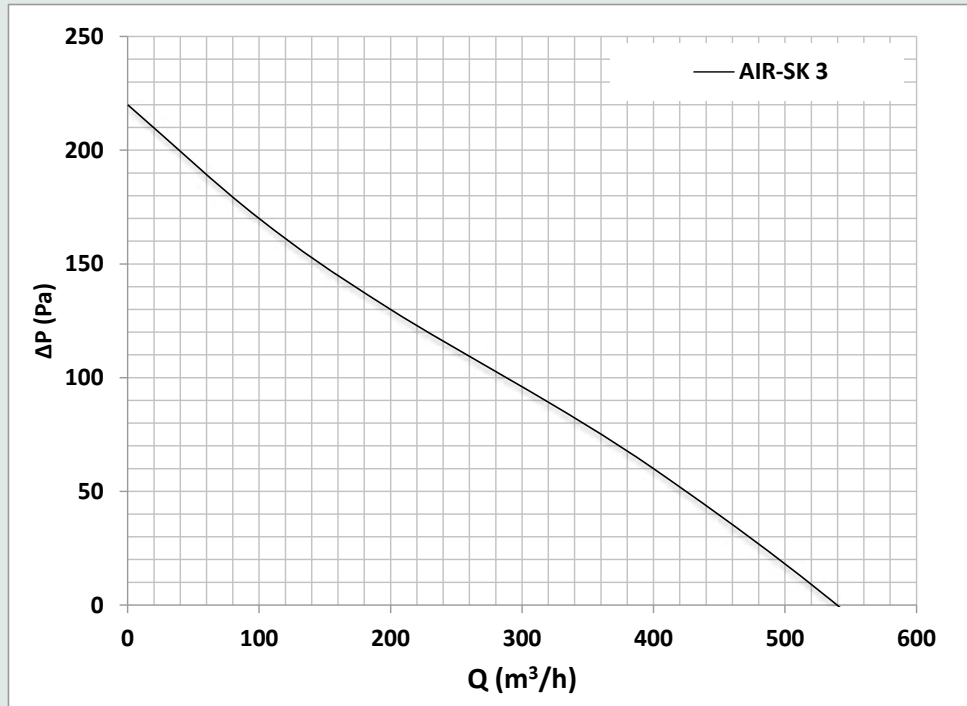
### Dimensions



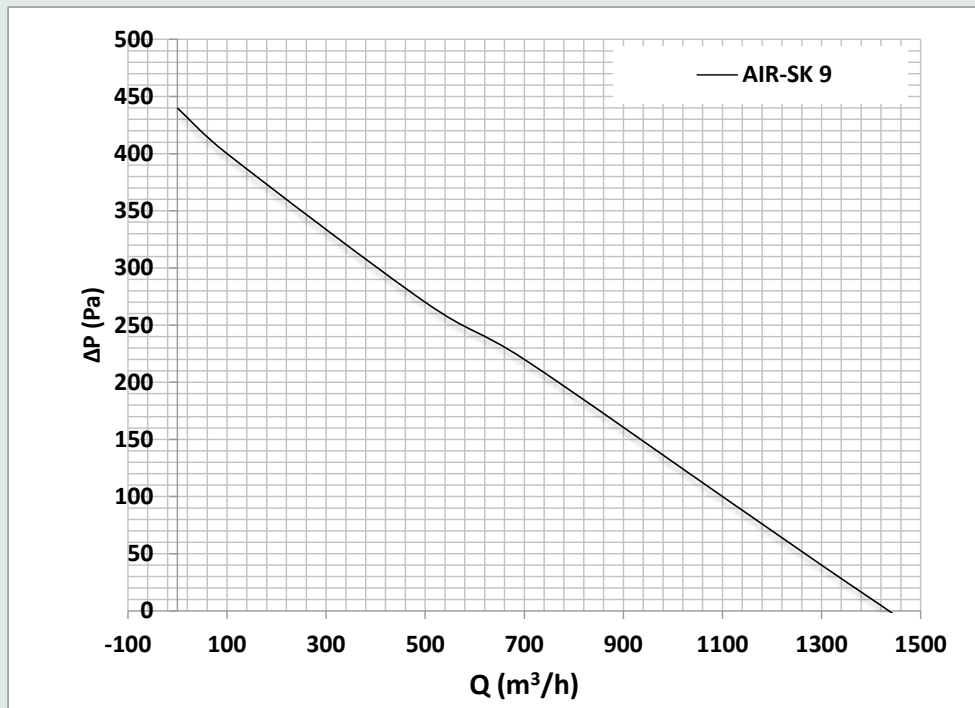
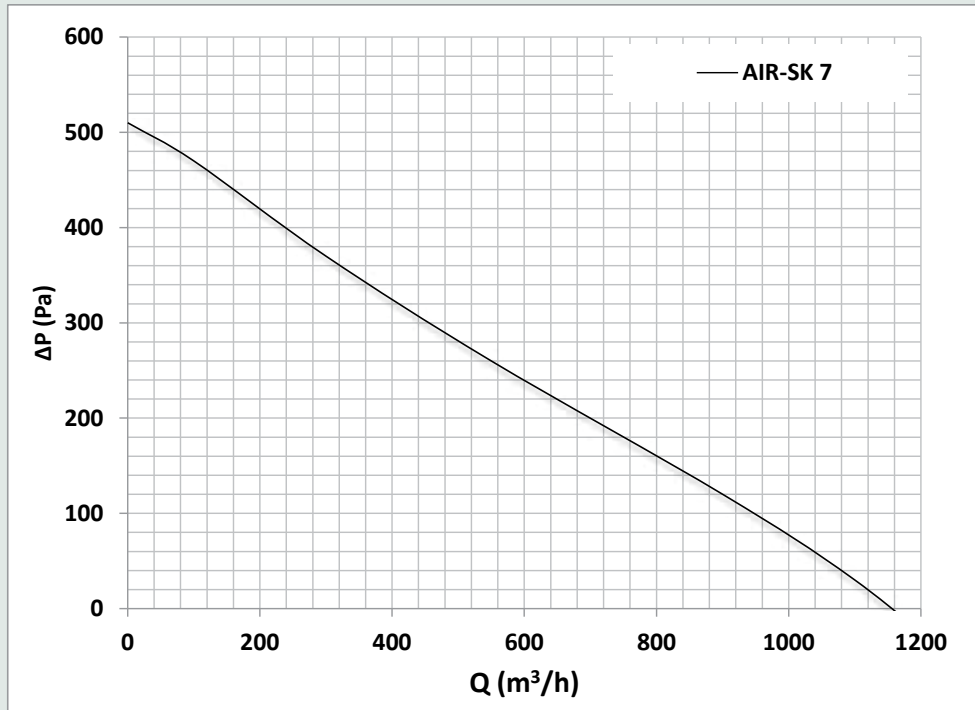
|           | A   | B   | C    | D   | E   | F    | G   | Ø N |
|-----------|-----|-----|------|-----|-----|------|-----|-----|
| AIR-SK 3  | 575 | 425 | 1200 | 605 | 455 | 635  | 485 | 9   |
| AIR-SK 5  | 600 | 450 | 1250 | 630 | 480 | 660  | 510 | 9   |
| AIR-SK 7  | 625 | 475 | 1300 | 655 | 505 | 685  | 535 | 9   |
| AIR-SK 9  | 650 | 500 | 1350 | 680 | 530 | 710  | 560 | 9   |
| AIR-SK 18 | 750 | 600 | 1450 | 780 | 630 | 810  | 660 | 11  |
| AIR-SK 30 | 800 | 650 | 1500 | 830 | 680 | 860  | 710 | 11  |
| AIR-SK 36 | 850 | 700 | 1550 | 880 | 730 | 910  | 760 | 11  |
| AIR-SK 43 | 900 | 750 | 1600 | 930 | 780 | 960  | 810 | 11  |
| AIR-SK 55 | 950 | 800 | 1650 | 980 | 830 | 1010 | 860 | 11  |

| Type      | Voltage V | Frequency Hz | Motor Power W | Current A | Motor Speed rpm | Condenser µF | Noise dBA | Weight kg |
|-----------|-----------|--------------|---------------|-----------|-----------------|--------------|-----------|-----------|
| AIR-SK 3  | 230       | 50           | 100           | 0,47      | 2580            | 3            | 58        | 1,75      |
| AIR-SK 5  | 230       | 50           | 150           | 0,7       | 2600            | 4            | 57        | 2,2       |
| AIR-SK 7  | 230       | 50           | 200           | 0,9       | 2600            | 6            | 58        | 2,8       |
| AIR-SK 9  | 230       | 50           | 250           | 1,1       | 2500            | 8            | 60        | 2,9       |
| AIR-SK 18 | 220       | 50           | 210           | 1         | 1400            | 8            | 60        | 4,6       |
| AIR-SK 30 | 220       | 50           | 500           | 1,8       | 1380            | 12           | 66        | 10        |
| AIR-SK 36 | 220       | 50           | 500           | 2,2       | 1300            | 12           | 66        | 10        |
| AIR-SK 43 | 380       | 50           | 360           | 1,27      | 920             | -            | 62        | 11        |
| AIR-SK 55 | 230/400   | 50           | 2200          | 6.5/3.7   | 1250            | -            | 79        | 23        |

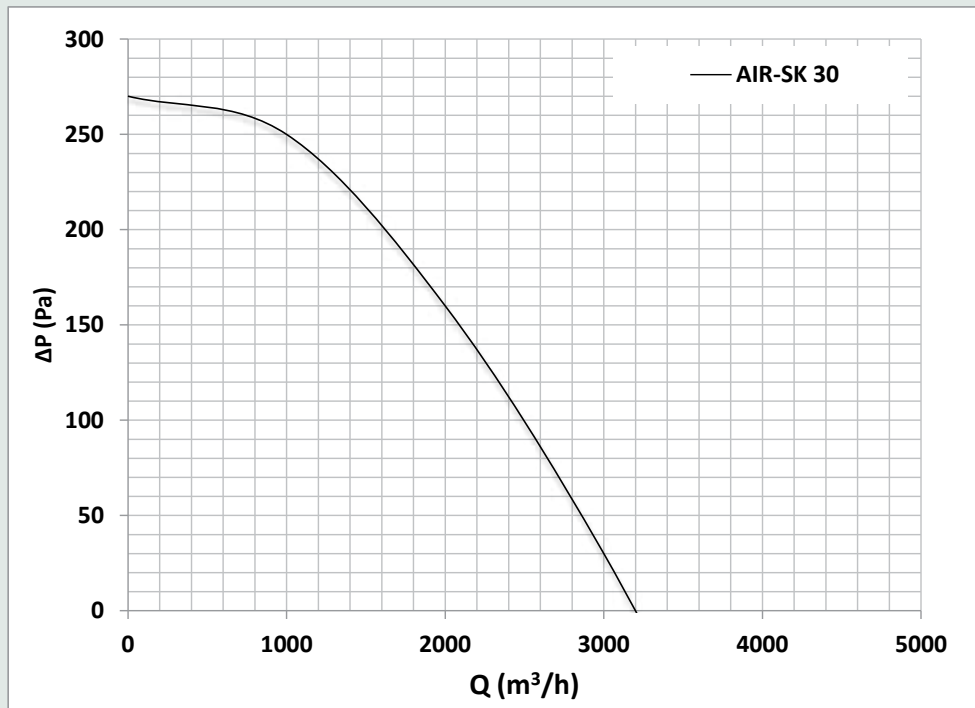
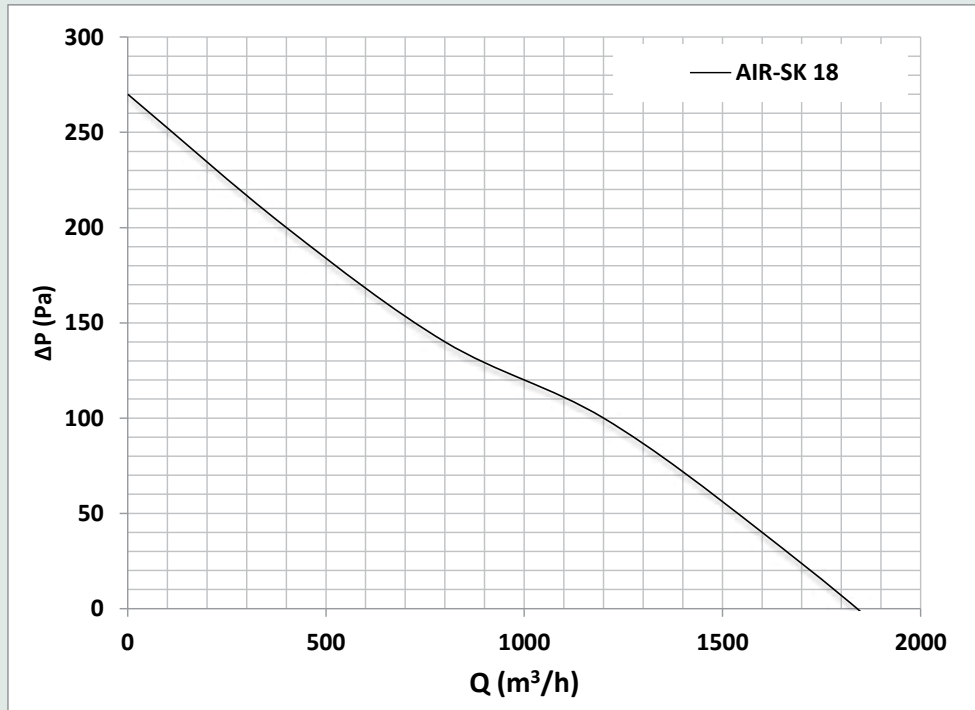
## Duct Type Shelter Ventilation Series



## Duct Type Shelter Ventilation Series

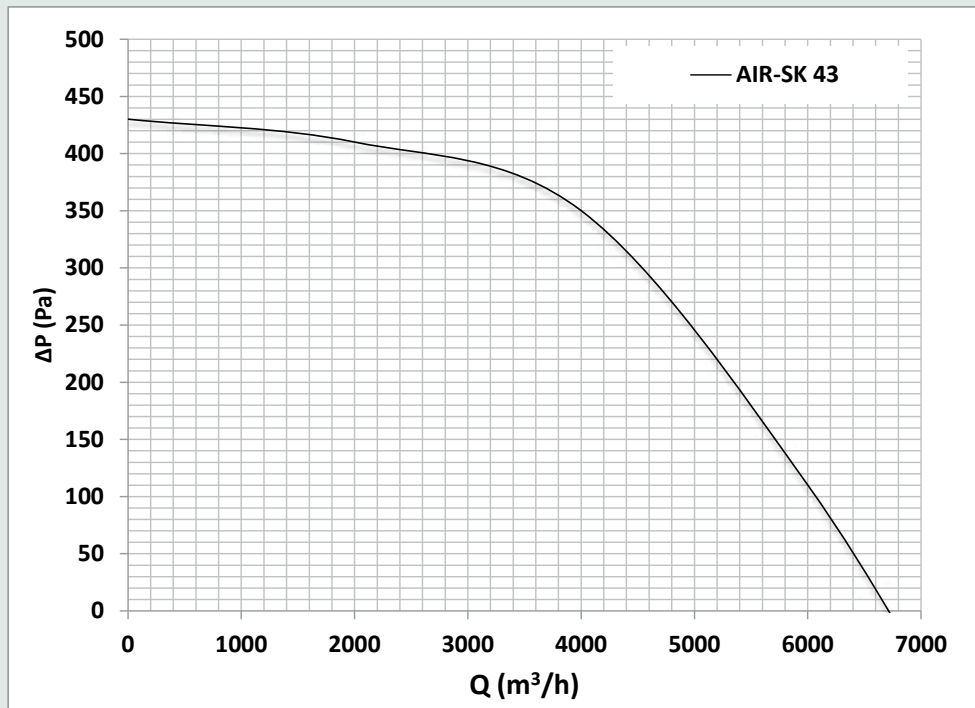
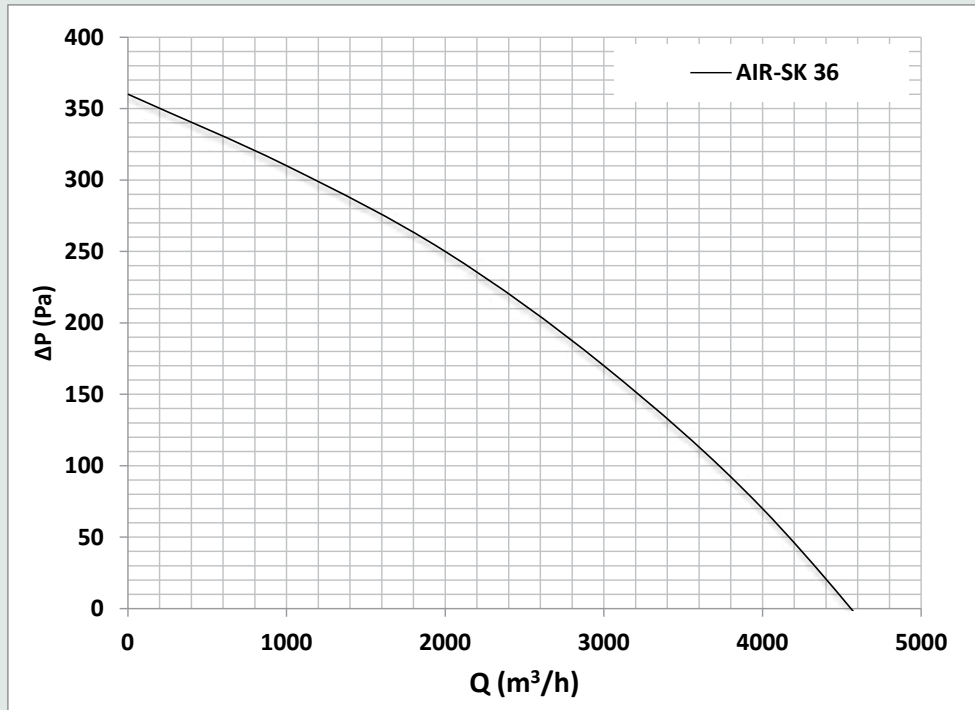


## Duct Type Shelter Ventilation Series

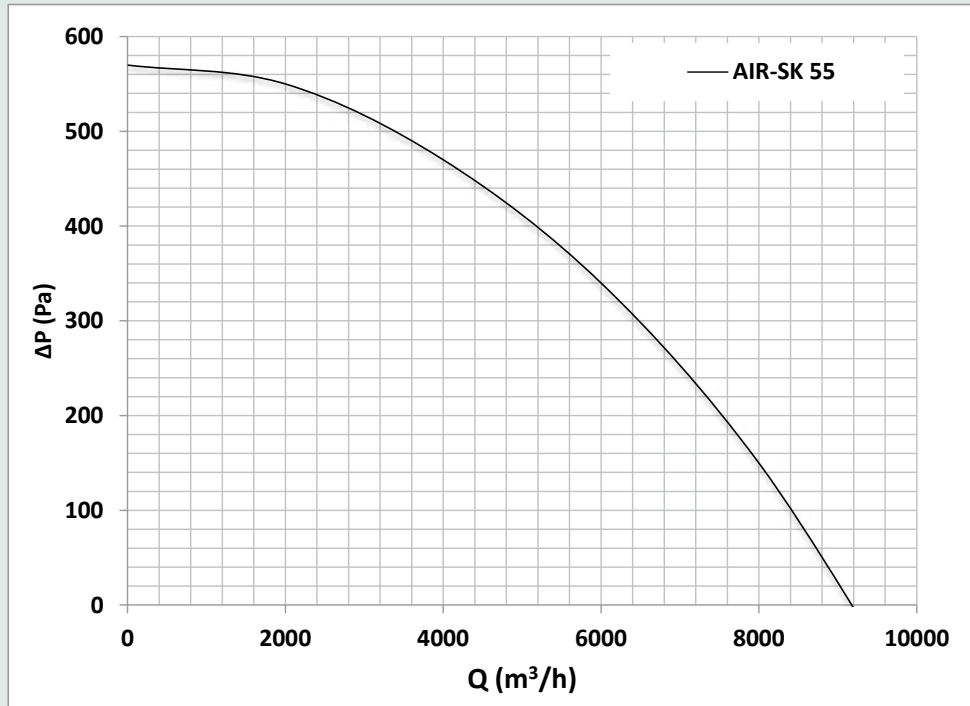




## Duct Type Shelter Ventilation Series



## Duct Type Shelter Ventilation Series







“FAN ENGINEERING”

AIRONN HAVALANDIRMA VE KLİMA SİSTEMLERİ SAN. DIŐ TİC. LTD. ŐTİ.  
Tatlısu Mah. Őenol GneŐ Bulvarı Mira Tower K: 3 D: 16 Őerifali, AtaŐehir - İstanbul / Turkey  
Phone: +90 216 594 56 96 Fax: +90 216 594 57 17 E-mail: info@aironn.com.tr  
[www.aironn.com.tr](http://www.aironn.com.tr)