



**reventon**  
INDUSTRIAL SOLUTIONS

# PRODUCT CATALOGUE 2025

[www.reventongroup.eu](http://www.reventongroup.eu)

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# A local company operating globally.

REVENTON GROUP is a dynamically developing brand that has an established position as a reliable supplier in the HVAC industry, both in Poland and abroad. We are present in 40 markets around the world. REVENTON GROUP is a family company, which brings many benefits, such as: flexible and individual approach to customers, high efficiency in actions resulting from the lack of an extensive structure and a quick decision-making path.



## experience

Behind the success of HVAC projects implemented by our clients is the know-how developed in REVENTON GROUP in the field of design and testing of devices, which, combined with modern production technologies, guarantees high efficiency of our products. The flat organizational structure allows a quick and flexible approach to the challenges reported by our clients.

## guarantee

By choosing our products, you gain full manufacturer warranty protection. Thanks to the availability of products and components in warehouses, REVENTON GROUP immediately repairs and/or replaces a faulty device or its component. In justified cases, the purchase costs of the product covered by warranty are refunded.

## after-sales service

Our contact with the customer does not end with the purchase of the device. We offer a wide range of after-sales services, including the availability of spare parts and components, additional accessories, technical consultations or training in the use and maintenance of purchased devices.

## individual approach

Technical department of REVENTON GROUP provides an individual and cost-effective approach to the needs and technical challenges our customers face in selecting HVAC equipment. Our partners always receive technically refined heating, ventilation, or air conditioning devices that also meet the cost requirements of a competitive market.

## product availability

Perfect logistics combined with extensive storage areas and no minimum logistics are an important point in the REVENTON GROUP strategy. This guarantees our customers access to the entire range of offered products and necessary spare parts, thereby effectively reducing the delivery time.



# unit heaters

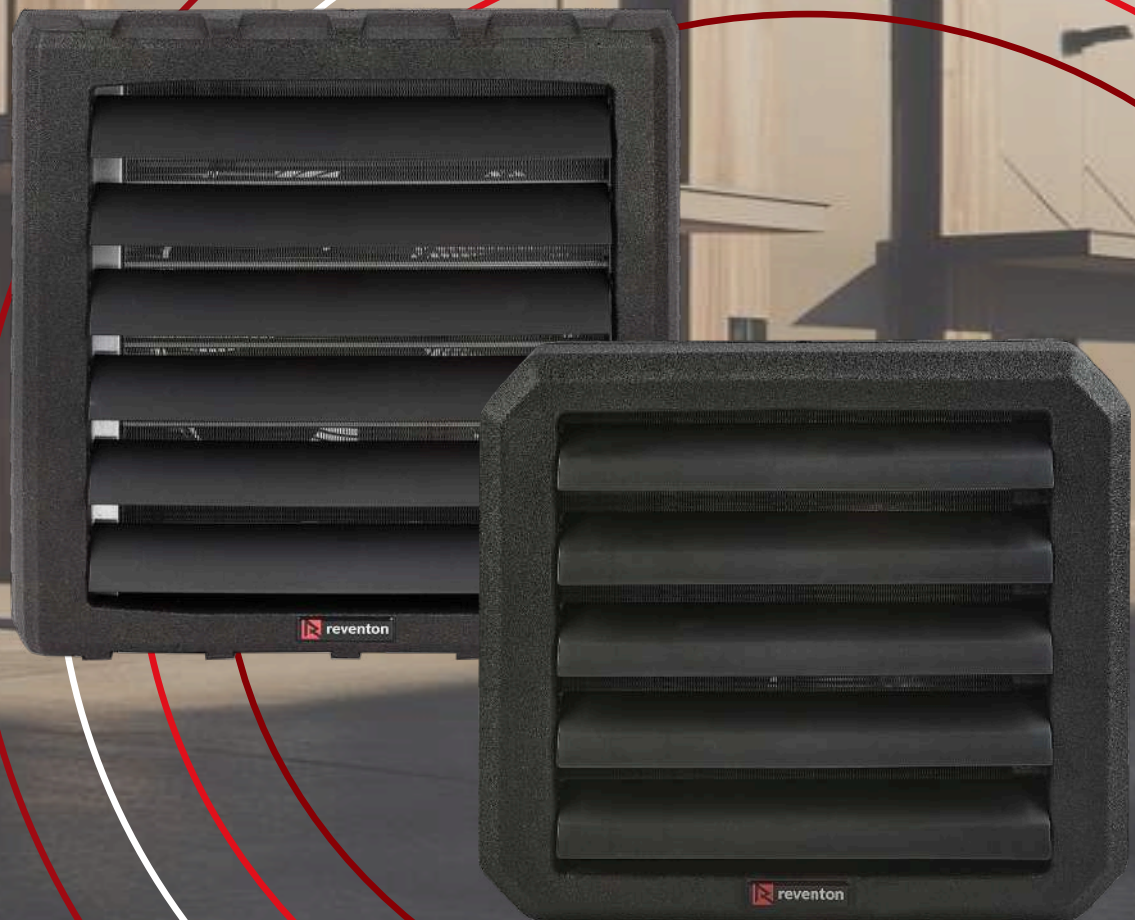
water unit heaters series **HC-3S**

water unit heaters series **HC-EC**

water unit heaters series **HC3P**

water unit heaters series **S-3S**

electric unit heaters series **EHU-3S**



# Water unit heaters series **HC-3S**

motor AC  
voltage 230V



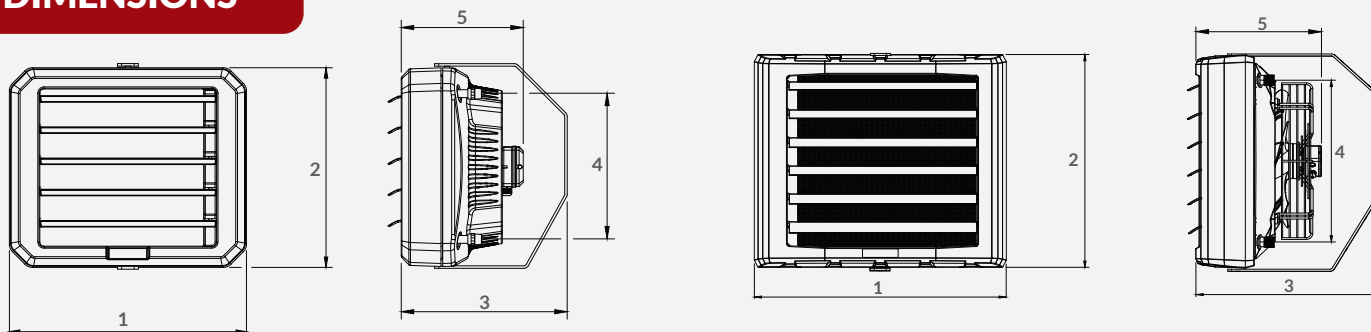
Technical  
documentation

Check the  
price

|                          |                                              | HC15-3S           | HC20-3S            | HC30-3S            | HC35-3S            | HC45-3S           | HC50-3S            | HC70-3S            | HC80-3S            |
|--------------------------|----------------------------------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| PRODUCT CODE             |                                              | WHHC15-3S-2402    | WHHC20-3S-1759     | WHHC30-3S-1760     | WHHC35-3S-1761     | WHHC45-3S-1762    | WHHC50-3S-2006     | WHHC70-3S-1764     | WHHC80-3S-1956     |
| Heating capacity range*  | kW                                           | 1,79 - 23,3       | 1,55 - 28,4        | 1,8 - 34,9         | 2,14 - 40,1        | 3,21 - 55,6       | 5,00 - 65,8        | 5,0 - 80,1         | 6,96 - 91,5        |
| Maximum airflow          | m <sup>3</sup> /h<br>3 stage/2 stage/1 stage | 1500 / 1000 / 850 | 3200 / 2150 / 1350 | 3100 / 1950 / 1250 | 2700 / 1700 / 1100 | 2500 / 1450 / 950 | 5000 / 4200 / 2600 | 3400 / 1900 / 1450 | 4200 / 3500 / 2300 |
| Supply voltage/frequency | V/Hz                                         | 230/50            | 230/50             | 230/50             | 230/50             | 230/50            | 230/50             | 230/50             | 230/50             |
| Motor power              | W<br>3 stage/2 stage/1 stage                 | 80/ 48/ 45        | 190/ 150/ 120      | 190/ 150/ 120      | 190/ 150/ 120      | 190/ 150/ 120     | 480/ 350/ 280      | 240/ 190/ 160      | 480/ 350/ 280      |
| Net weight               | kg                                           | 10                | 12,5               | 12,5               | 14                 | 14                | 20,5               | 20                 | 22,5               |
| Noise                    | dB<br>3 stage/2 stage/1 stage                | 53 / 47/ 45       | 57 / 55/ 49        | 57 / 55/ 49        | 54 / 48/ 46        | 54 / 48/ 46       | 62 / 57/ 51        | 58 / 53/ 49        | 65 / 59/ 53        |

\*max. 120/90°C, 0°C inlet air temperature, III stage // min. 40/30°C, 20°C inlet air temperature, I stage

## DIMENSIONS

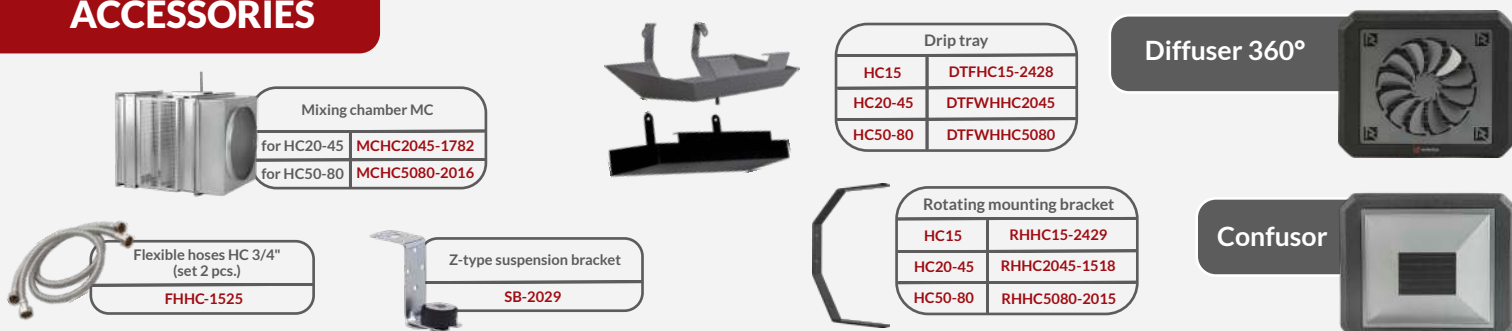


|                 | 1      | 2      | 3      | 4        | 5      |
|-----------------|--------|--------|--------|----------|--------|
| <b>HC 15</b>    | 570 mm | 480 mm | 401 mm | 350±3 mm | 295 mm |
| <b>HC 20-45</b> | 635 mm | 600 mm | 465 mm | 455±3 mm | 320 mm |
| <b>HC 50-80</b> | 739 mm | 699 mm | 532 mm | 550±3 mm | 345 mm |

## CONTROLLERS



## ACCESSORIES



# Water unit heaters series **HC-EC**

motor EC  
voltage 230V



Technical  
documentation



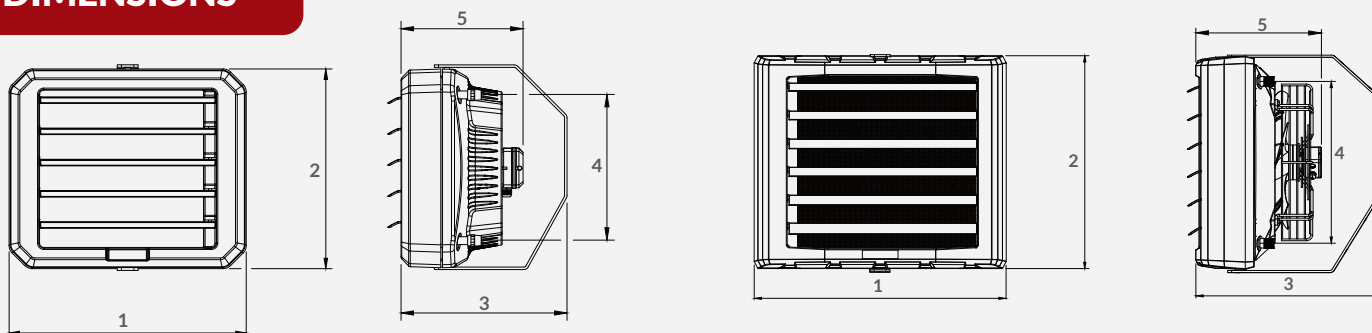
Check the  
price



|                          |                   | HC15-EC        | HC20-EC        | HC30-EC        | HC35-EC        | HC45-EC        | HC50-EC        | HC70-EC        |
|--------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| PRODUCT CODE             |                   | WHHC15-EC-2424 | WHHC20-EC-1985 | WHHC30-EC-1986 | WHHC35-EC-1987 | WHHC45-EC-1988 | WHHC50-EC-1989 | WHHC70-EC-1990 |
| Heating capacity range*  | kW                | 2,00 - 28,2    | 1,97 - 33,7    | 2,36 - 41,5    | 2,88 - 49,0    | 4,54 - 66,7    | 4,36 - 64,1    | 5,93 - 88,9    |
| Maximum airflow          | m <sup>3</sup> /h | 2000           | 4600           | 4300           | 4000           | 3400           | 4800           | 4000           |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         |
| Motor power              | W                 | 150            | 500            | 500            | 500            | 500            | 430            | 430            |
| Net weight               | kg                | 11             | 13             | 13             | 14,5           | 14,5           | 20             | 21             |
| Noise                    | dB                | 63             | 60             | 59             | 58             | 58             | 59             | 58             |

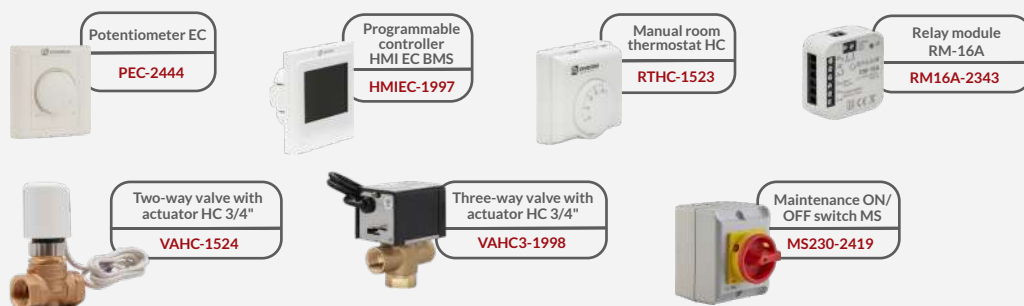
\*max. 120/90°C, 0°C inlet air temperature with 100 % air expense // min. 40/30°C, 20°C inlet air temperature with 50 % air expense

## DIMENSIONS

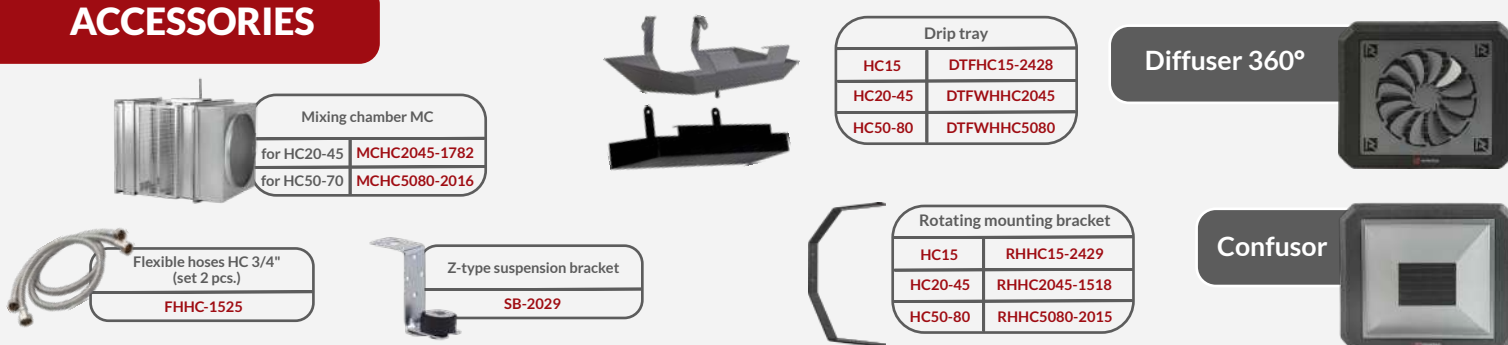


|          | 1      | 2      | 3      | 4        | 5      |
|----------|--------|--------|--------|----------|--------|
| HC 15    | 570 mm | 480 mm | 401 mm | 350±3 mm | 265 mm |
| HC 20-45 | 635 mm | 600 mm | 465 mm | 455±3 mm | 335 mm |
| HC 50-70 | 739 mm | 699 mm | 532 mm | 550±3 mm | 345 mm |

## CONTROLLERS



## ACCESSORIES





# Water unit heaters series **HC3P**

motor AC  
voltage 400V



Technical  
documentation



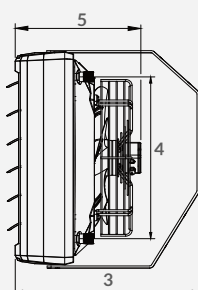
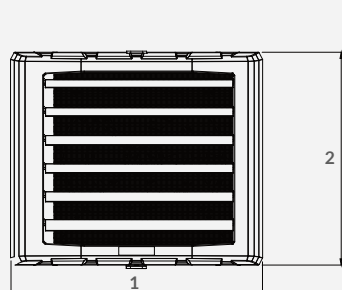
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price



|                          |                   | HC3P 20       | HC3P 30       | HC3P 35       | HC3P 45       | HC3P 50       | HC3P 70       |
|--------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| PRODUCT CODE             |                   | WHHC3P20-1514 | WHHC3P30-1626 | WHHC3P35-1515 | WHHC3P45-1627 | WHHC3P50-1516 | WHHC3P70-1517 |
| Heating capacity range*  | kW                | 2,36 - 28,4   | 2,84 - 34,9   | 3,51 - 40,1   | 6,02 - 55,6   | 6,23 - 58,5   | 8,78 - 80,1   |
| Maximum airflow          | m <sup>3</sup> /h | 3200          | 3100          | 2700          | 2500          | 4000          | 3400          |
| Supply voltage/frequency | V/Hz              | 400/50        | 400/50        | 400/50        | 400/50        | 400/50        | 400/50        |
| Motor power              | W                 | 180           | 180           | 180           | 180           | 250           | 250           |
| Net weight               | kg                | 12,5          | 13            | 14            | 14,5          | 20,5          | 21            |
| Noise                    | dB                | 55            | 55            | 54            | 54            | 59            | 58            |

\*max. 120/90°C, 0°C inlet air temperature // min. 40/30°C, 20°C inlet air temperature

## DIMENSIONS

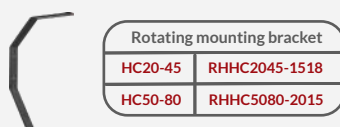


|          | 1      | 2      | 3      | 4        | 5      |
|----------|--------|--------|--------|----------|--------|
| HC 20-45 | 635 mm | 600 mm | 465 mm | 455±3 mm | 325 mm |
| HC 50-70 | 739 mm | 699 mm | 532 mm | 550±3 mm | 345 mm |

## CONTROLLERS



## ACCESSORIES



| Drip tray |             |
|-----------|-------------|
| HC20-45   | DTFWHHC2045 |
| HC50-80   | DTFWHHC5080 |

Diffuser 360°



Confusor







# Water unit heaters series S-3S

motor AC  
voltage 230V



Technical  
documentation



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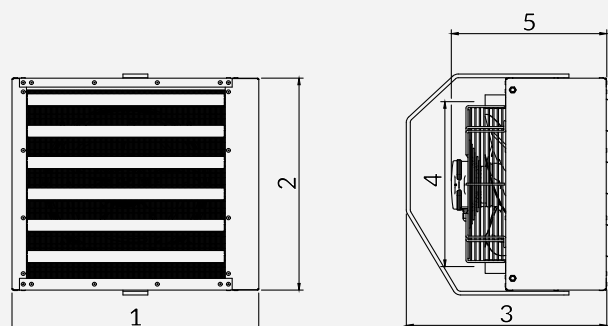


|                          |                                                             | S1-3S             | S2-3S             | S3-3S            | S4-3S              |
|--------------------------|-------------------------------------------------------------|-------------------|-------------------|------------------|--------------------|
| PRODUCT CODE             |                                                             | WHS1-3S-1789      | WHS2-3S-1790      | WHS3-3S-1791     | WHS4-3S-1787       |
| Heating capacity range*  | kW                                                          | 1,57 - 19,5       | 2,1 - 30,8        | 2,92 - 48,8      | 4,17 - 66,2        |
| Maximum airflow          | m <sup>3</sup> /h<br><small>3 stage/2 stage/1 stage</small> | 1400 / 1150 / 900 | 2000 / 1100 / 900 | 1800 / 850 / 700 | 3350 / 2250 / 1400 |
| Supply voltage/frequency | V/Hz                                                        | 230/50            | 230/50            | 230/50           | 230/50             |
| Motor power              | W<br><small>3 stage/2 stage/1 stage</small>                 | 75/ 45/ 35        | 124/ 85/ 75       | 124/ 85/ 75      | 185/ 140/ 90       |
| Net weight               | kg                                                          | 12,5              | 19                | 20               | 25                 |
| Noise                    | dB<br><small>3 stage/2 stage/1 stage</small>                | 51/ 45/ 43        | 54/ 48/ 46        | 53/ 47/ 45       | 56/ 50/ 48         |

\*max. 120/90°C, 0°C inlet air temperature, III stage // min. 40/30°C, 20°C inlet air temperature, I stage

## DIMENSIONS

|             | 1      | 2      | 3      | 4        | 5        |
|-------------|--------|--------|--------|----------|----------|
| S1-3S       | 496 mm | 450 mm | 403 mm | 350±3 mm | 312,5 mm |
| S2-3S/S3-3S | 546 mm | 550 mm | 480 mm | 450±3 mm | 367 mm   |
| S4-3S       | 696 mm | 660 mm | 549 mm | 560±3 mm | 375 mm   |



## CONTROLLERS



3-step controller  
with room thermostat  
HC3S  
**RTHC3S-1779**



Programmable  
controller  
HMI BMS  
**PCHMI-1797**



Programmable  
controller  
HMI WIFI  
**PCHMI-WIFI-2301**



Manual room  
thermostat HC  
**RTHC-1523**



Two-way valve with  
actuator HC 3/4"  
**VAHC-1524**



Three-way valve with  
actuator HC 3/4"  
**VAHC3-1998**



Relay module  
RM-16A  
**RM16A-2343**



Maintenance ON/  
OFF switch MS  
**MS230-2419**



| Fan speed<br>controller HC |             |
|----------------------------|-------------|
| 1,2A                       | FSHC-1520   |
| 3A                         | FS3HC-2104  |
| 5A                         | FS5HC-1607  |
| 7A                         | FS7HC-1608  |
| 14A                        | FS14HC-1610 |

## ACCESSORIES



Flexible hoses HC 3/4"  
(set 2 pcs.)  
**FHHC-1525**



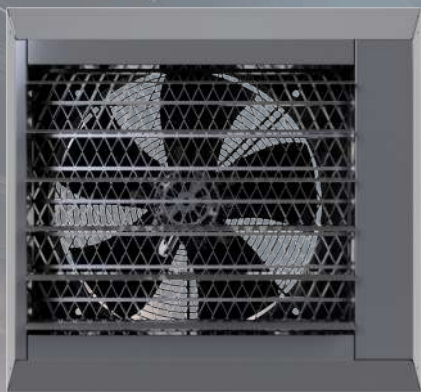
Z-type suspension bracket  
**SB-2029**



| Rotating mounting bracket |             |
|---------------------------|-------------|
| S1                        | RHS1-1755   |
| S2, S3                    | RHS2S3-1756 |
| S4                        | RHS4-1757   |



Fixed holders for S series  
**HS1234F-1754**



# Electric unit heaters series **EHU-3S**

motor **AC**  
voltage **400V**



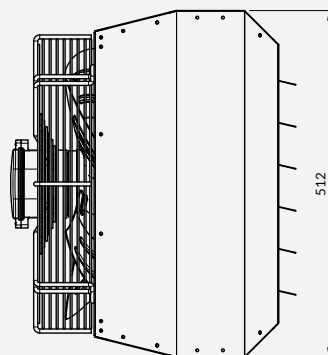
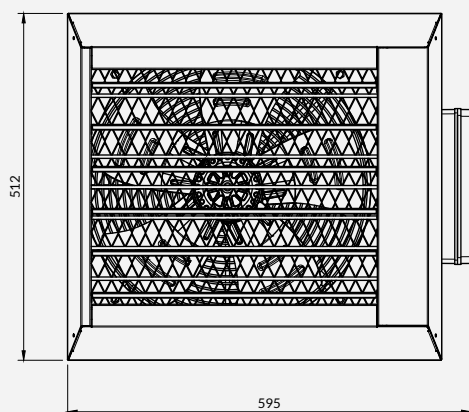
Technical  
documentation



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|                                 |                                                             | EHU 14-3S          |
|---------------------------------|-------------------------------------------------------------|--------------------|
| PRODUCT CODE                    |                                                             | EL 14-3S-2503      |
| Heater power                    | kW                                                          | 7 - 14             |
| Maximum airflow                 | m <sup>3</sup> /h<br><small>3 stage/2 stage/1 stage</small> | 3000 / 2000 / 1200 |
| Heater supply voltage/frequency | V/Hz                                                        | 400/50             |
| Motor power                     | W                                                           | 190 / 150 / 120    |
| Net weight                      | kg                                                          | 25                 |
| Noise                           | dB<br><small>3 stage/2 stage/1 stage</small>                | 57 / 55 / 49       |

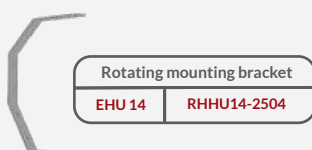
## DIMENSIONS



## CONTROLLERS



## ACCESSORIES





# water unit heaters **AGRO**

from the series **FARMER HCF**

from the series **FARMER OpenAir**





# Water unit heaters series **FARMER HCF**



motor **AC**  
voltage **230V**



Technical  
documentation



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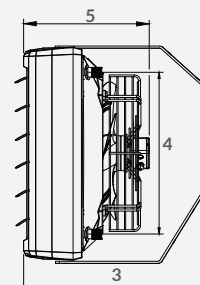
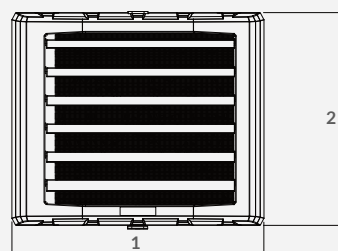
|                          |                                                             | Farmer HCF IP54 3S | Farmer HCF IP66 |
|--------------------------|-------------------------------------------------------------|--------------------|-----------------|
| PRODUCT CODE             |                                                             | WHHCFR47-3S-1765   | WHHCF53-1527    |
| Heating capacity range*  | kW                                                          | 3,87 - 58,5        | 7,01 - 66,2     |
| Maximum airflow          | m <sup>3</sup> /h<br><small>3 stage/2 stage/1 stage</small> | 4000 / 2400 / 1750 | 5000 / - / -    |
| Supply voltage/frequency | V/Hz                                                        | 230/50             | 230/50          |
| Motor power              | W<br><small>3 stage/2 stage/1 stage</small>                 | 240/ 190/ 160      | 560/ - / -      |
| Net weight               | kg                                                          | 17,5               | 20              |
| Noise                    | dB<br><small>3 stage/2 stage/1 stage</small>                | 59/ 54/ 50         | 63/ - / -       |

\*max. 120/90°C, 0°C inlet air temperature, III stage // min. 40/30°C, 20°C inlet air temperature, I stage

\*for IP66 fan max. 120/90°C, 0°C inlet air temperature // min. 40/30°C, 20°C inlet air temperature

## DIMENSIONS

|                    | 1      | 2      | 3      | 4        | 5      |
|--------------------|--------|--------|--------|----------|--------|
| Farmer HCF IP54-3S | 739 mm | 699 mm | 532 mm | 550±3 mm | 345 mm |
| Farmer HCF IP66    | 739 mm | 699 mm | 532 mm | 550±3 mm | 430 mm |



## CONTROLLERS



3-step controller  
with room thermostat  
HC3S

**RTHC3S-1779**

\*except Farmer  
HCF IP66



Programmable  
controller  
HMI BMS

**PCHMI-1797**

\*except Farmer  
HCF IP66



Programmable  
controller  
HMI WIFI

**PCHMI-WIFI-2301**

\*except Farmer  
HCF IP66



Manual room  
thermostat HC

**RTHC-1523**



Fan speed  
controller HC

|      |                    |
|------|--------------------|
| 1,2A | <b>FSHC-1520</b>   |
| 3A   | <b>FS3HC-2104</b>  |
| 5A   | <b>FS5HC-1607</b>  |
| 7A   | <b>FS7HC-1608</b>  |
| 14A  | <b>FS14HC-1610</b> |

\*except Farmer  
HCF IP66



Two-way valve with  
actuator HC 3/4"

**VAHC-1524**



Three-way valve with  
actuator HC 3/4"

**VAHC3-1998**



Relay module  
RM-16A

**RM16A-2343**



Maintenance ON/  
OFF switch MS

**MS230-2419**



Manual  
thermostat IP54

**MT54-2341**



Programmable  
controller  
HMI SINGLE BMS

**HMI-SIN-2021**



Fan speed  
controller FARMER 3,0A

**FS3FARMER-2506**

## ACCESSORIES



Rotating mounting bracket

**HC50-80** **RHHC5080-2015**



Drip tray

**HC50-80** **DTFWHHC5080**



Flexible hoses HC 3/4"  
(set 2 pcs.)

**FHHC-1525**



Z-type suspension bracket

**SB-2029**



Mixing chamber MC

for HC50-80 **MCHC5080-2016**

# Water unit heaters series **FARMER OpenAir**



motor AC  
voltage 230V



Technical  
documentation



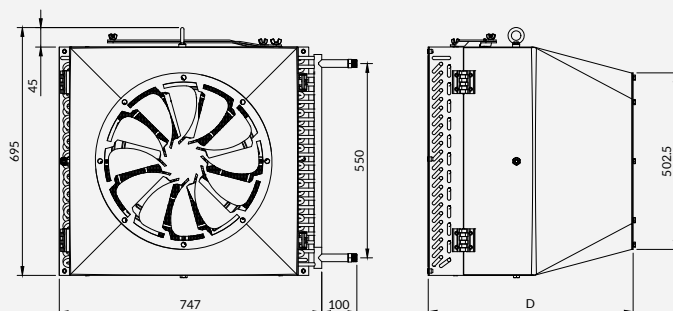
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price

|                          |      | Farmer<br>OpenAir IP66 | Farmer OpenAir<br>XL IP66 |
|--------------------------|------|------------------------|---------------------------|
| PRODUCT CODE             |      | WHHCFO-2042            | WHHCOXL-2445              |
| Heating capacity range*  | kW   | 7,5 - 71,6             | 9,9 - 88,1                |
| Maximum airflow          | m3/h | 5100                   | 4500                      |
| Supply voltage/frequency | V/Hz | 230/50                 | 230/50                    |
| Motor power              | W    | 500                    | 500                       |
| Net weight               | kg   | 46                     | 49                        |
| Noise                    | dB   | 66                     | 66                        |

\*max. 120/90°C, 0°C inlet air temperature// min. 40/30°C, 20°C inlet air temperature

## DIMENSIONS

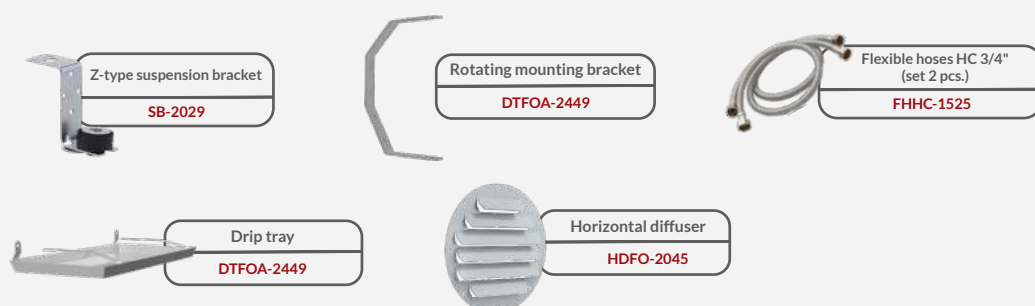
|                        | D      |
|------------------------|--------|
| FARMER OpenAir IP66    | 590 mm |
| FARMER OpenAir XL IP66 | 610 mm |



## CONTROLLERS



## ACCESSORIES





# air curtains

door series **AERIS WN-1P**

door series **AERIS C-1P**

door series **AERIS E-1P**

door series **AERIS EN-1P**

door series **AERIS EN-3P**

gate cold curtains series

**HUMMER**

gate water curtains series

**HUMMER**





# Water air curtains series **AERIS WN-1P**



motor AC  
voltage 230V



Technical  
documentation



Check the  
price

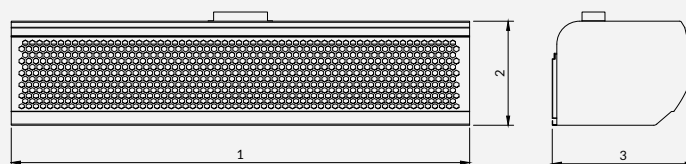


|                   |                                              | AERIS 100WN-1P     | AERIS 150WN-1P     | AERIS 200WN-1P     |
|-------------------|----------------------------------------------|--------------------|--------------------|--------------------|
| PRODUCT CODE      |                                              | AC100WN1P          | AC150WN1P          | AC200WN1P          |
| Heating capacity* | kW                                           | 14,2 - 17,0        | 21,9 - 26,1        | 31,4 - 37,1        |
| Maximum airflow   | m <sup>3</sup> /h<br>3 stage/2 stage/1 stage | 1500 / 1350 / 1150 | 2250 / 2000 / 1750 | 3250 / 2850 / 2250 |
| Curtain range     | m                                            | 3                  | 3                  | 3                  |
| Motor power       | W<br>3 stage/2 stage/1 stage                 | 150/ 130 / 120     | 200/ 180 / 160     | 320/ 300 / 280     |
| Net weight        | kg                                           | 18                 | 28                 | 34                 |
| Noise             | dB<br>3 stage/2 stage/1 stage                | 57/ 55 / 52        | 59 / 57 / 54       | 61 / 59 / 56       |

\*max. 90/70°C, 0°C inlet air temperature, III stage // min. 90/70°C, 0°C inlet air temperature, I stage;

## DIMENSIONS

|                | 1       | 2      | 3      |
|----------------|---------|--------|--------|
| AERIS 100WN-1P | 1005 mm | 227 mm | 310 mm |
| AERIS 150WN-1P | 1505 mm | 227 mm | 310 mm |
| AERIS 200WN-1P | 2015 mm | 227 mm | 310 mm |



## CONTROLLERS



3-step controller  
with room thermostat  
HC3S  
**RTHC3S-1779**



Controller with  
thermostat  
HMI CURTAIN BMS  
**HMI-2003**



Two-way valve with  
actuator HC 3/4"  
**VAHC-1524**



Three-way valve with  
actuator HC 3/4"  
**VAHC3-1998**



Maintenance ON/  
OFF switch MS  
**MS230-2419**

## ACCESSORIES



Flexible hoses HC 3/4"  
(set 2 pcs.)  
**FHHC-1525**

## Cold air curtains series **AERIS C-1P**



motor AC  
voltage 230V



Technical  
documentation

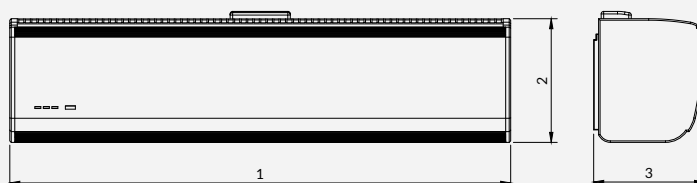


Check the  
price

|                 |                                        | AERIS 100C-1P | AERIS 150C-1P | AERIS 200C-1P |
|-----------------|----------------------------------------|---------------|---------------|---------------|
| PRODUCT CODE    |                                        | AC100C1P      | AC150C1P      | AC200C1P      |
| Maximum airflow | m <sup>3</sup> /h<br>2 stage / 1 stage | 1770 / 1450   | 3150 / 2550   | 3540 / 2900   |
| Curtain range   | m                                      | 3             | 3             | 3             |
| Motor power     | W<br>2 stage / 1 stage                 | 180 / 130     | 230 / 180     | 360 / 260     |
| Net weight      | kg                                     | 13,5          | 18,0          | 25,0          |
| Noise           | dB<br>2 stage / 1 stage                | 56 / 54       | 57 / 55       | 58 / 56       |

### DIMENSIONS

|                      | 1       | 2      | 3      |
|----------------------|---------|--------|--------|
| <b>AERIS 100C-1P</b> | 1020 mm | 247 mm | 218 mm |
| <b>AERIS 150C-1P</b> | 1505 mm | 247 mm | 218 mm |
| <b>AERIS 200C-1P</b> | 2030 mm | 247 mm | 218 mm |



## Single-phase electric air curtains series **AERIS E-1P**



motor AC  
voltage 230V



Technical  
documentation

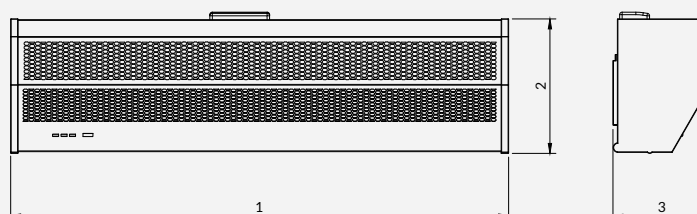


Check the  
price

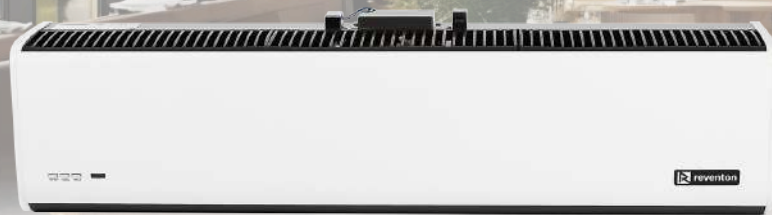
|                 |                                        | AERIS 100E-1P | AERIS 150E-1P | AERIS 200E-1P |
|-----------------|----------------------------------------|---------------|---------------|---------------|
| PRODUCT CODE    |                                        | AC100E1P      | AC150E1P      | AC200E1P      |
| Heater power    | kW                                     | 2,0 - 6,0     | 3,3 - 10      | 4,6 - 14      |
| Maximum airflow | m <sup>3</sup> /h<br>2 stage / 1 stage | 1200 / 1100   | 1900 / 1700   | 2800 / 2500   |
| Curtain range   | m                                      | 3             | 3             | 3             |
| Motor power     | W<br>2 stage / 1 stage                 | 180 / 130     | 230 / 180     | 350 / 300     |
| Net weight      | kg                                     | 15,5          | 20,5          | 26            |
| Noise           | dB<br>2 stage / 1 stage                | 57 / 55       | 59 / 57       | 61 / 59       |

### DIMENSIONS

|                      | 1       | 2      | 3      |
|----------------------|---------|--------|--------|
| <b>AERIS 100E-1P</b> | 1015 mm | 265 mm | 195 mm |
| <b>AERIS 150E-1P</b> | 1500 mm | 265 mm | 195 mm |
| <b>AERIS 200E-1P</b> | 2025 mm | 265 mm | 195 mm |



## Single-phase electric air curtains series **AERIS EN-1P**



motor AC  
voltage 230V

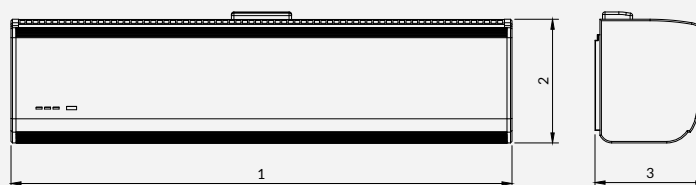


Technical  
documentation



Check the  
price

| AERIS 100EN-1P  |                                        |             |
|-----------------|----------------------------------------|-------------|
| PRODUCT CODE    |                                        | AC100EN1P   |
| Heater power    | kW                                     | 2,0 - 6,0   |
| Maximum airflow | m <sup>3</sup> /h<br>2 stage / 1 stage | 1770 / 1450 |
| Curtain range   | m                                      | 3           |
| Motor power     | W<br>2 stage / 1 stage                 | 280 / 220   |
| Net weight      | kg                                     | 16,5        |
| Noise           | dB<br>2 stage / 1 stage                | 61 / 59     |



|                       | 1       | 2      | 3      |
|-----------------------|---------|--------|--------|
| <b>AERIS 100EN-1P</b> | 1020 mm | 247 mm | 218 mm |

## Three-phase electric air curtains series **AERIS EN-3P**



motor AC  
voltage 400V



Technical  
documentation

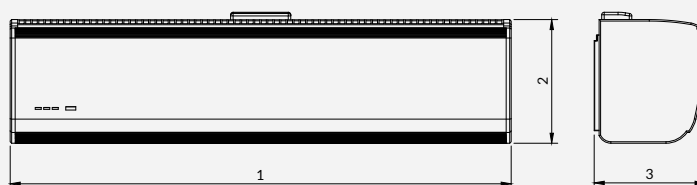


Check the  
price

|                 |                                                  | AERIS 90EN-3P      | AERIS 100EN-3P  | AERIS 120EN-3P     | AERIS 150EN-3P  | AERIS 200EN-3P  |
|-----------------|--------------------------------------------------|--------------------|-----------------|--------------------|-----------------|-----------------|
| PRODUCT CODE    |                                                  | AC90EN3P           | AC100EN3P       | AC120EN3P          | AC150EN3P       | AC200EN3P       |
| Heater power    | kW                                               | 8,0                | 2,0 - 6,0       | 10,0               | 3,5 - 10        | 4 - 12          |
| Maximum airflow | m <sup>3</sup> /h<br>3 stage / 2 stage / 1 stage | 1600 / 1450 / 1300 | - / 1450 / 1300 | 2400 / 2150 / 1950 | - / 2150 / 1900 | - / 2900 / 2600 |
| Curtain range   | m                                                | 3                  | 3               | 3                  | 3               | 3               |
| Motor power     | W<br>3 stage / 2 stage / 1 stage                 | 260 / 230 / 200    | - / 270 / 230   | 380 / 355 / 330    | - / 350 / 290   | - / 580 / 460   |
| Net weight      | kg                                               | 15,5               | 15,0            | 19,0               | 21,0            | 29,0            |
| Noise           | dB<br>3 stage / 2 stage / 1 stage                | 61 / 60 / 59       | - / 58 / 56     | 62 / 61 / 60       | - / 59 / 57     | - / 65 / 63     |

### DIMENSIONS

|                       | 1       | 2      | 3      |
|-----------------------|---------|--------|--------|
| <b>AERIS 90EN-3P</b>  | 916 mm  | 247 mm | 218 mm |
| <b>AERIS 100EN-3P</b> | 1020 mm | 247 mm | 218 mm |
| <b>AERIS 120EN-3P</b> | 1200 mm | 247 mm | 218 mm |
| <b>AERIS 150EN-3P</b> | 1505 mm | 247 mm | 218 mm |
| <b>AERIS 200EN-3P</b> | 2030 mm | 247 mm | 218 mm |



### CONTROLLERS



3-step controller  
with room thermostat  
HC35

**RTHC3S-1779**

\*compatible only with  
90EN-3P and 120EN-3P models



Controller with  
thermostat  
HMI CURTAIN BMS

**HMI-2003**

\*compatible only with  
90EN-3P and 120EN-3P models



# Gate cold curtains series HUMMER

motor AC, EC  
voltage 230V



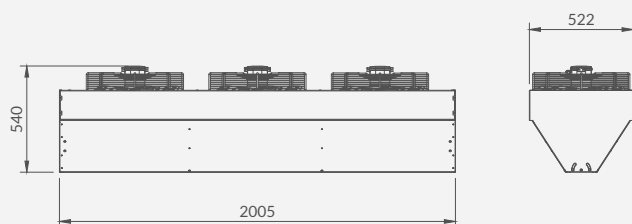
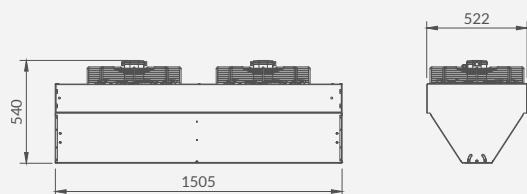
Technical  
documentation



Check the  
price

|                 |                                              | HUMMER 150C-1P     | HUMMER 200C-1P      | HUMMER 150C-1P<br>TURBO | HUMMER 200C-1P<br>TURBO | HUMMER 150C-EC  | HUMMER 200C-EC  |
|-----------------|----------------------------------------------|--------------------|---------------------|-------------------------|-------------------------|-----------------|-----------------|
| PRODUCT CODE    |                                              | ACH150C-1999       | ACH200C-2000        | ACH150CT-2434           | ACH200CT-2435           | ACH150C-EC-2353 | ACH200C-EC-2354 |
| Maximum airflow | m <sup>3</sup> /h<br>3 stage/2 stage/1 stage | 7200 / 6100 / 4400 | 10500 / 8600 / 6700 | 10000 / 8400 / 6100     | 14400 / 11800 / 9200    | 10100 / - / -   | 14500 / - / -   |
| Curtain range   | m<br>3 stage/2 stage/1 stage                 | 6,5 / 6,5 / 6      | 7 / 7 / 6,5         | 7 / 7 / 6,5             | 8 / 7,5 / 7             | 7 / - / -       | 8 / - / -       |
| Motor power     | W<br>3 stage/2 stage/1 stage                 | 480 / 380 / 320    | 720 / 570 / 480     | 910 / 700 / 560         | 1365 / 1050 / 840       | 860 / - / -     | 1290 / - / -    |
| Net weight      | kg                                           | 40                 | 57                  | 43                      | 60                      | 41              | 58              |
| Noise           | dB<br>3 stage                                | 67                 | 70                  | 64                      | 71                      | 67              | 70              |

## DIMENSIONS



## CONTROLLERS



# Gate water curtains series HUMMER

motor AC, EC  
voltage 230V



Technical  
documentation



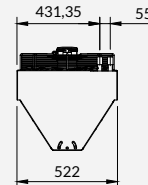
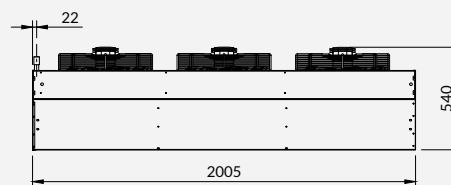
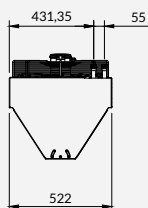
Check the  
price



|                     |                                                             | HUMMER 150W-1P     | HUMMER 200W-1P     | HUMMER 150W-1P<br>2R | HUMMER 200W-1P<br>2R | HUMMER 150W-EC  | HUMMER 200W-EC  | HUMMER 150W-EC<br>2R | HUMMER 200W-EC<br>2R |
|---------------------|-------------------------------------------------------------|--------------------|--------------------|----------------------|----------------------|-----------------|-----------------|----------------------|----------------------|
| PRODUCT CODE        |                                                             | ACH150W-2001       | ACH200W-2002       | ACH150W2R-2304       | ACH200W2R-2305       | ACH150W-EC-2355 | ACH200W-EC-2356 | ACH150W-EC2R-2357    | ACH200W-EC2R-2358    |
| Heating capacity*   | kW                                                          | 22,8 - 30,8        | 28,4 - 37,6        | 57,1 - 74,0          | 70,7 - 89,1          | 35,1            | 42,8            | 77,4                 | 89,9                 |
| Maximum airflow     | m <sup>3</sup> /h<br><small>3 stage/2 stage/1 stage</small> | 6500 / 5500 / 4000 | 8500 / 7000 / 5500 | 8700 / 7350 / 5350   | 11000 / 9000 / 7100  | 9500 / - / -    | 12400 / - / -   | 8900 / - / -         | 11200 / - / -        |
| Curtain range       | m<br><small>3 stage/2 stage/1 stage</small>                 | 6,5 / 6,0 / 5,5    | 7,0 / 6,5 / 6,0    | 7,0 / 6,5 / 6,0      | 7,5 / 7,0 / 6,5      | 7,0 / - / -     | 7,5 / - / -     | 7,0 / - / -          | 7,5 / - / -          |
| Connectors diameter | ''                                                          | 3/4                | 3/4                | 3/4                  | 3/4                  | 3/4             | 3/4             | 3/4                  | 3/4                  |
| Motor power         | W<br><small>3 stage/2 stage/1 stage</small>                 | 480/ 380 / 320     | 720/ 570 / 480     | 910 / 700 / 560      | 1365 / 1050 / 840    | 860/ - / -      | 1290/ - / -     | 860 / - / -          | 1290 / - / -         |
| Net weight          | kg                                                          | 51                 | 70                 | 58                   | 78                   | 52              | 71              | 55                   | 75                   |
| Noise               | dB<br><small>3 stage</small>                                | 66                 | 69                 | 65                   | 68                   | 66              | 69              | 65                   | 68                   |

\*for AC motor max. 90/70°C, 0°C inlet air temperature, III stage // min. 90/70°C, 0°C inlet air temperature, I stage;  
\*for EC motor max. 90/70°C, 0°C inlet air temperature with 100 % air expense

## DIMENSIONS



## CONTROLLERS



## ACCESSORIES

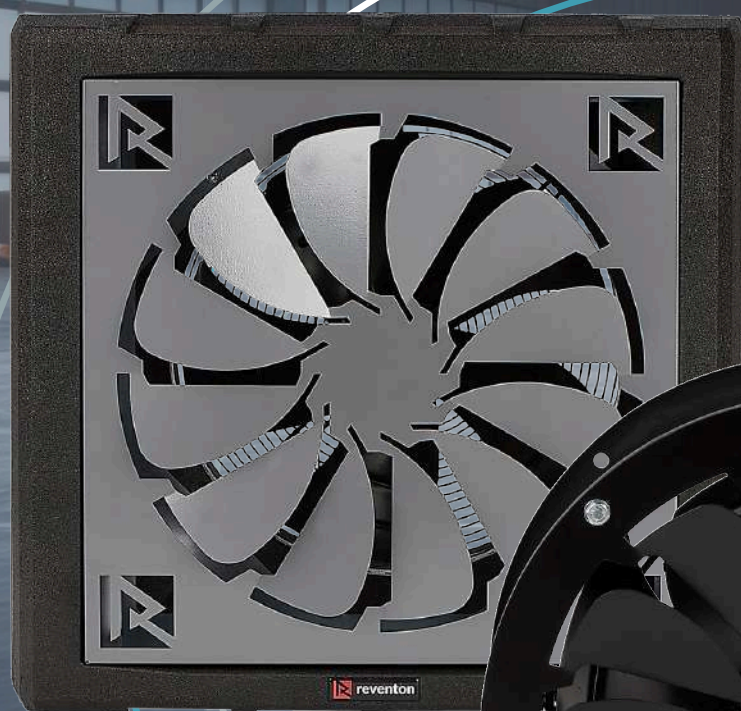




# destratification fans

from the series **HC-3S**

from the series **TORNADO**





# Destratification fans series HC-3S



motor AC  
voltage 230V



Technical  
documentation

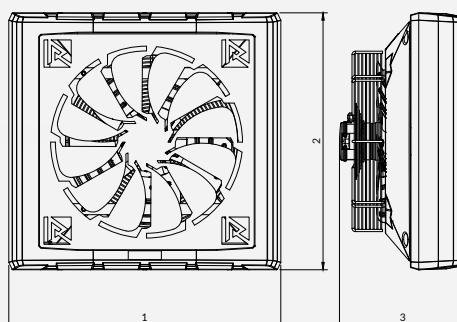


Check the  
price

|                          |                                                                 | HC-3S              |
|--------------------------|-----------------------------------------------------------------|--------------------|
| PRODUCT CODE             |                                                                 | DHC-3S-1766        |
| Maximum airflow          | m <sup>3</sup> /h<br><small>3 stage / 2 stage / 1 stage</small> | 4600 / 3900 / 3100 |
| Maximum vertical range   | m<br><small>3 stage / 2 stage / 1 stage</small>                 | 10 / 8 / 6         |
| Supply voltage/frequency | V/Hz                                                            | 230/50             |
| Motor power              | W<br><small>3 stage / 2 stage / 1 stage</small>                 | 240 / 190 / 160    |
| Protection degree IP     | -                                                               | 54                 |
| Net weight               | kg                                                              | 11,5               |
| Noise                    | dB<br><small>3 stage / 2 stage / 1 stage</small>                | 61 / 56 / 52       |

## DIMENSIONS

|                            | 1      | 2      | 3      |
|----------------------------|--------|--------|--------|
| Destratification fan HC-3S | 739 mm | 698 mm | 360 mm |



## CONTROLLERS



3-step controller  
with room thermostat  
HC3S  
**RTHC3S-1779**



Programmable  
controller  
HMI BMS  
**PCHMI-1797**



Programmable  
controller  
HMI WIFI  
**PCHMI-WIFI-2301**



Programmable  
controller  
HMI SINGLE BMS  
**HMI-SIN-2021**



Relay module  
RM-16A  
**RM16A-2343**



Maintenance ON/  
OFF switch MS  
**MS230-2419**

## ACCESSORIES



Z-type suspension bracket  
**SB-2029**



Rotating mounting bracket HC-3S  
**RHF-1611**

# Destratification fans series **TORNADO**



motor AC  
voltage 230V



Technical  
documentation

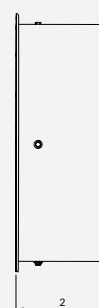
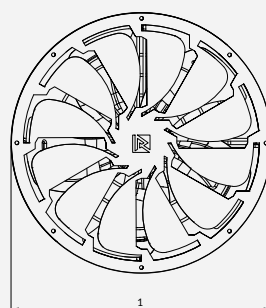


Check the  
price

|                          |                   | TORNADO XS1 | TORNADO XS2 | TORNADO XS3 | TORNADO XS4 | TORNADO XS5 | TORNADO XS6 |
|--------------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PRODUCT CODE             |                   | DT-XS1-1965 | DT-XS2-1966 | DT-XS3-1967 | DT-XS4-1968 | DT-XS5-1969 | DT-XS6-1970 |
| Maximum airflow          | m <sup>3</sup> /h | 2200        | 3600        | 4500        | 6400        | 6750        | 10200       |
| Maximum vertical range   | m                 | 6           | 8           | 9           | 11          | 12          | 15          |
| Supply voltage/frequency | V/Hz              | 230/50      | 230/50      | 230/50      | 230/50      | 230/50      | 230/50      |
| Motor power              | W                 | 126         | 180         | 250         | 380         | 385         | 660         |
| Protection degree IP     | -                 | 54          | 54          | 54          | 54          | 54          | 54          |
| Net weight               | kg                | 7,1         | 8,3         | 10,6        | 13,6        | 16,8        | 23,0        |
| Noise                    | dB                | 52          | 55          | 57          | 59          | 59          | 62          |

## DIMENSIONS

|                    | 1      | 2      |
|--------------------|--------|--------|
| <b>TORNADO XS1</b> | 424 mm | 180 mm |
| <b>TORNADO XS2</b> | 466 mm | 210 mm |
| <b>TORNADO XS3</b> | 515 mm | 210 mm |
| <b>TORNADO XS4</b> | 567 mm | 250 mm |
| <b>TORNADO XS5</b> | 640 mm | 252 mm |
| <b>TORNADO XS6</b> | 705 mm | 250 mm |



## CONTROLLERS



Programmable  
controller  
HMI SINGLE BMS  
**HMI-SIN-2021**



Thyristor speed controller  
TRO  
TRO-150W **FS-TRO150-2054**  
TRO-600W **FS-TRO600-2055**

\* with the exception of  
TORNADO XS4



Manual room  
thermostat HC  
**RTHC-1523**



| Fan speed<br>controller HC |                    |
|----------------------------|--------------------|
| <b>1,2A</b>                | <b>FSHC-1520</b>   |
| <b>3A</b>                  | <b>FS3HC-2104</b>  |
| <b>5A</b>                  | <b>FS5HC-1607</b>  |
| <b>7A</b>                  | <b>FS7HC-1608</b>  |
| <b>14A</b>                 | <b>FS14HC-1610</b> |

\* with the exception of  
TORNADO XS4



Relay module  
RM-16A  
**RM16A-2343**



Maintenance ON/  
OFF switch MS  
**MS230-2419**

## ACCESSORIES



Z-type suspension bracket  
**SB-2029**



# industrial fans

blowing axial fans series **FR-BG**

sucking axial fans series **FR-SG**

sucking axial fans series **FR-SG EC**

axial fans in square housing series **FR-BS**

axial fans in square housing series **FR-BS EC**

axial fans in round housing series **FR-BC**

duct fans series **FR-DF**

roof fans series **STORM**

roof fans series **STORM EC**

roof fans series **BLAST**

roof fans series **STORM PRO AC**

roof fans series **STORM PRO EC**





# Blowing axial fans series **FR-BG**



motor AC  
voltage 230V/400V



Technical  
documentation

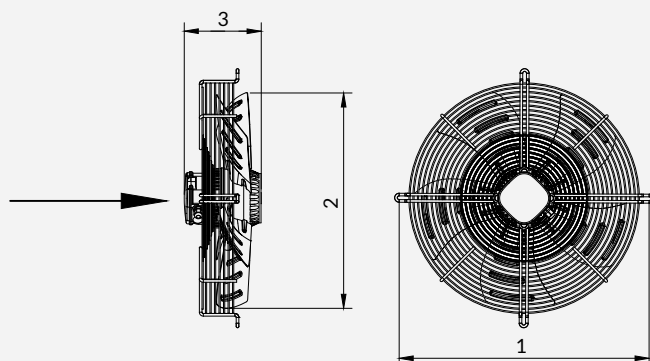


Check the  
price



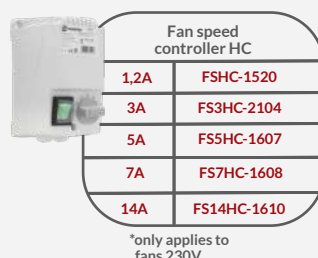
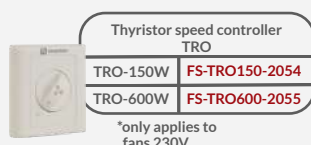
|                          |                   | FR-250-BG      | FR-300-BG      | FR-350-BG      | FR-400-BG      | FR-450-BG      | FR-500-BG      | FR-550-BG      | FR-630-BG      | FR-710-BG          | FR-800-BG          |
|--------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------|
| PRODUCT CODE             |                   | IAFR250BG-1701 | IAFR300BG-1702 | IAFR350BG-1703 | IAFR400BG-1704 | IAFR450BG-1705 | IAFR500BG-1706 | IAFR550BG-1707 | IAFR630BG-1708 | IAFR710BG-1709     | IAFR800BG-1710     |
| Maximum airflow          | m <sup>3</sup> /h | 1450           | 1750           | 2350           | 4050           | 5400           | 6050           | 7500           | 11400          | Y 13000<br>Δ 15000 | Y 17500<br>Δ 20000 |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 400/50             | 400/50             |
| Motor power              | W                 | 90             | 75             | 124            | 185            | 240            | 295            | 385            | 660            | Y 650<br>Δ 900     | Y 930<br>Δ 1200    |
| Net weight               | kg                | 2,5            | 3,4            | 5              | 6              | 7,5            | 9              | 11,5           | 16             | 29                 | 32                 |
| Noise                    | dB                | 60             | 62             | 64             | 67             | 69             | 70             | 71             | 74             | Y 72<br>Δ 73       | Y 74<br>Δ 75       |

## DIMENSIONS



|                  | 1      | 2        | 3      |
|------------------|--------|----------|--------|
| <b>FR-250-BG</b> | 320 mm | 250-5 mm | 136 mm |
| <b>FR-300-BG</b> | 360 mm | 300-5 mm | 146 mm |
| <b>FR-350-BG</b> | 422 mm | 350-5 mm | 169 mm |
| <b>FR-400-BG</b> | 470 mm | 400-5 mm | 182 mm |
| <b>FR-450-BG</b> | 522 mm | 450-5 mm | 195 mm |
| <b>FR-500-BG</b> | 570 mm | 500-5 mm | 179 mm |
| <b>FR-550-BG</b> | 625 mm | 550-5 mm | 194 mm |
| <b>FR-630-BG</b> | 750 mm | 630-5 mm | 219 mm |
| <b>FR-710-BG</b> | 840 mm | 703-5 mm | 253 mm |
| <b>FR-800-BG</b> | 920 mm | 784-5 mm | 250 mm |

## CONTROLLERS





## Sucking axial fans series **FR-SG**

motor AC  
voltage 230V/400V



Technical  
documentation

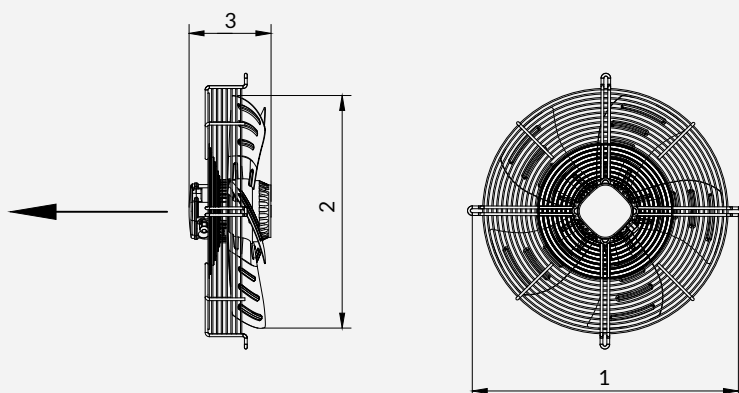


Check the  
price



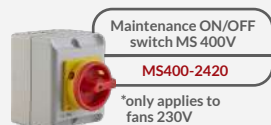
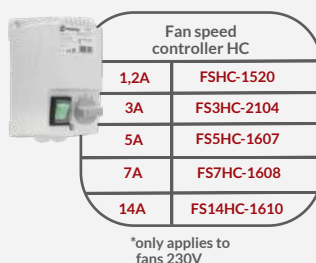
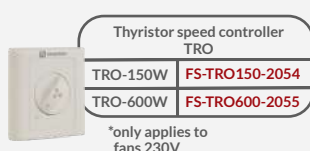
|                          |                   | FR-250-SG      | FR-300-SG       | FR-350-SG      | FR-400-SG      | FR-450-SG      | FR-500-SG      | FR-550-SG      | FR-630-SG      | FR-710-SG          | FR-800-SG          |
|--------------------------|-------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------|
| PRODUCT CODE             |                   | IAFR250SG-1711 | IAFR300SG-17012 | IAFR350SG-1713 | IAFR400SG-1714 | IAFR450SG-1715 | IAFR500SG-1716 | IAFR550SG-1717 | IAFR630SG-1718 | IAFR710SG-1719     | IAFR800SG-1720     |
| Maximum airflow          | m <sup>3</sup> /h | 1450           | 1850            | 2450           | 3900           | 5000           | 6050           | 7500           | 11400          | Y 13000<br>Δ 15000 | Y 17500<br>Δ 20000 |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50          | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 400/50             | 400/50             |
| Motor power              | W                 | 90             | 85              | 126            | 180            | 250            | 295            | 385            | 660            | Y 650<br>Δ 900     | Y 930<br>Δ 1200    |
| Net weight               | kg                | 2,5            | 3,4             | 5              | 6              | 7,5            | 9              | 11,5           | 16             | 29                 | 32                 |
| Noise                    | dB                | 60             | 60              | 64             | 67             | 69             | 70             | 71             | 74             | Y 72<br>Δ 73       | Y 74<br>Δ 75       |

## DIMENSIONS



|                  | 1      | 2        | 3      |
|------------------|--------|----------|--------|
| <b>FR-250-SG</b> | 320 mm | 250-5 mm | 136 mm |
| <b>FR-300-SG</b> | 360 mm | 300-5 mm | 146 mm |
| <b>FR-350-SG</b> | 422 mm | 350-5 mm | 169 mm |
| <b>FR-400-SG</b> | 470 mm | 400-5 mm | 182 mm |
| <b>FR-450-SG</b> | 522 mm | 450-5 mm | 195 mm |
| <b>FR-500-SG</b> | 570 mm | 500-5 mm | 179 mm |
| <b>FR-550-SG</b> | 625 mm | 550-5 mm | 194 mm |
| <b>FR-630-SG</b> | 750 mm | 630-5 mm | 219 mm |
| <b>FR-710-SG</b> | 840 mm | 703-5 mm | 253 mm |
| <b>FR-800-SG</b> | 920 mm | 784-5 mm | 250 mm |

## CONTROLLERS



## Sucking axial fans series **FR-SG EC**

motor **EC**  
voltage **230V/400V**



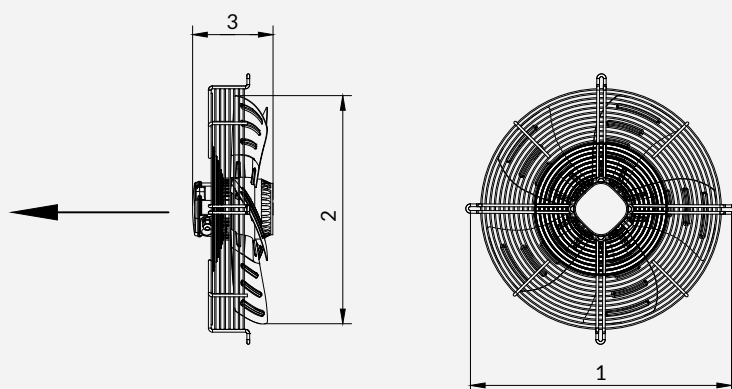
Technical  
documentation



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|                          |                   | FR-250-SG EC      | FR-300-SG EC      | FR-350-SG EC      | FR-400-SG EC      | FR-450-SG EC      | FR-500-SG EC      | FR-550-SG EC      | FR-630-SG EC      |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PRODUCT CODE             |                   | IAFR-250SGEC-2403 | IAFR-300SGEC-2404 | IAFR-350SGEC-2405 | IAFR-400SGEC-2406 | IAFR-450SGEC-2407 | IAFR-500SGEC-2408 | IAFR-550SGEC-2409 | IAFR-630SGEC-2410 |
| Maximum airflow          | m <sup>3</sup> /h | 1450              | 2615              | 3185              | 5600              | 6475              | 7870              | 11460             | 21480             |
| Supply voltage/frequency | V/Hz              | 230/50            | 230/50            | 230/50            | 230/50            | 230/50            | 230/50            | 3x400/50          | 3x400/50          |
| Motor power              | W                 | 105               | 150               | 138               | 500               | 430               | 430               | 1180              | 2770              |
| Net weight               | kg                | 2,8               | 4,5               | 5,0               | 10                | 14                | 16,7              | 15,5              | 35                |
| Noise                    | dB                | 68                | 70                | 70                | 78                | 69                | 70                | 77                | 86                |

## DIMENSIONS



|                     | 1      | 2        | 3      |
|---------------------|--------|----------|--------|
| <b>FR-250-SG EC</b> | 330 mm | 250-5 mm | 96 mm  |
| <b>FR-300-SG EC</b> | 360 mm | 300-5 mm | 112 mm |
| <b>FR-350-SG EC</b> | 422 mm | 350-5 mm | 127 mm |
| <b>FR-400-SG EC</b> | 470 mm | 400-5 mm | 146 mm |
| <b>FR-450-SG EC</b> | 522 mm | 450-5 mm | 148 mm |
| <b>FR-500-SG EC</b> | 570 mm | 500-5 mm | 157 mm |
| <b>FR-550-SG EC</b> | 700 mm | 550-5 mm | 160 mm |
| <b>FR-630-SG EC</b> | 750 mm | 630-5 mm | 245 mm |

## CONTROLLERS



Potentiometer EC  
**PEC-2444**



Programmable  
controller  
HMI EC BMS  
**HMI EC-1997**



Maintenance ON/OFF  
switch MS 230V  
**MS230-2419**  
\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 400V  
**MS400-2420**  
\*only applies to  
fans 400V



# Axial fans in square housing series **FR-BS**



motor AC  
voltage 230V/400V



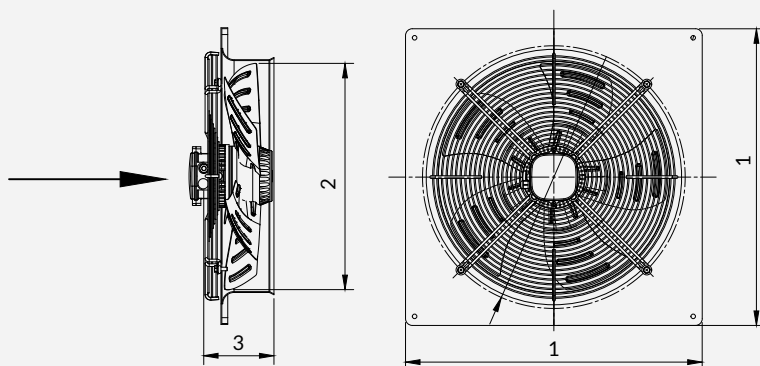
Technical  
documentation



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price

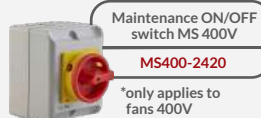
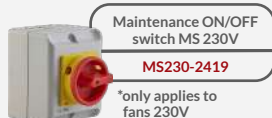
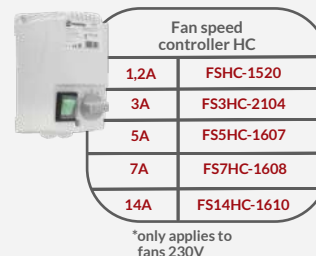
|                          |                   | FR-200-BS      | FR-250-BS      | FR-300-BS      | FR-350-BS      | FR-400-BS      | FR-450-BS      | FR-500-BS      | FR-550-BS      | FR-630-BS      | FR-710-BS          | FR-800-BS          |
|--------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------|
| PRODUCT CODE             |                   | IAFR200BS-1721 | IAFR250BS-1722 | IAFR300BS-1723 | IAFR350BS-1724 | IAFR400BS-1725 | IAFR450BS-1726 | IAFR500BS-1727 | IAFR550BS-1728 | IAFR630BS-1729 | IAFR710BS-1730     | IAFR800BS-1731     |
| Maximum airflow          | m <sup>3</sup> /h | 780            | 1450           | 1550           | 2450           | 3950           | 5000           | 6050           | 7500           | 11400          | Y 13000<br>Δ 15000 | Y 17500<br>Δ 20000 |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 400/50             | 400/50             |
| Motor power              | W                 | 55             | 90             | 75             | 126            | 180            | 250            | 295            | 385            | 660            | Y 650<br>Δ 900     | Y 930<br>Δ 1200    |
| Net weight               | kg                | 2              | 3,4            | 4              | 6              | 7,5            | 9              | 11,5           | 16             | 29             | 32                 | 32                 |
| Noise                    | dB                | 52             | 60             | 60             | 64             | 67             | 69             | 70             | 71             | 74             | Y 72<br>Δ 73       | Y 74<br>Δ 75       |

## DIMENSIONS



|           | 1      | 2        | 3      |
|-----------|--------|----------|--------|
| FR-200-BS | 310 mm | 200-5 mm | 72 mm  |
| FR-250-BS | 370 mm | 250-5 mm | 94 mm  |
| FR-300-BS | 430 mm | 300-5 mm | 94 mm  |
| FR-350-BS | 485 mm | 350-5 mm | 130 mm |
| FR-400-BS | 540 mm | 400-5 mm | 145 mm |
| FR-450-BS | 575 mm | 450-5 mm | 145 mm |
| FR-500-BS | 655 mm | 500-5 mm | 150 mm |
| FR-550-BS | 725 mm | 550-5 mm | 150 mm |
| FR-630-BS | 805 mm | 630-5 mm | 160 mm |
| FR-710-BS | 845 mm | 703-5 mm | 250 mm |
| FR-800-BS | 970 mm | 784-5 mm | 265 mm |

## CONTROLLERS



## ACCESSORIES

| Gravity shutter |                     |
|-----------------|---------------------|
| GS 300x300 mm   | <b>GS-300-2075</b>  |
| GS 350x350 mm   | <b>GS-350-2076</b>  |
| GS 400x400 mm   | <b>GS-400-2077</b>  |
| GS 460x460 mm   | <b>GS-460-2078</b>  |
| GS 550x550 mm   | <b>GS-550-2079</b>  |
| GS 650x650 mm   | <b>GS-650-2080</b>  |
| GS 800x800 mm   | <b>GS-800-2081</b>  |
| GS 1000x1000 mm | <b>GS-1000-2501</b> |



## Axial fans in square housing series **FR-BS EC**

motor EC  
voltage 230V/400V



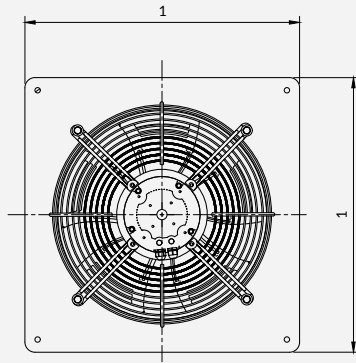
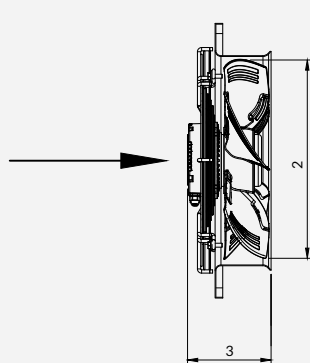
Technical  
documentation



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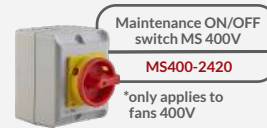
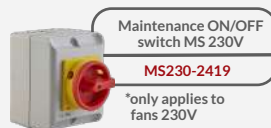
|                          |                   | FR-250-BS EC      | FR-300-BS EC      | FR-350-BS EC      | FR-400-BS EC      | FR-450-BS EC      | FR-500-BS EC      | FR-550-BS EC      | FR-630-BS EC      |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PRODUCT CODE             |                   | IAFR-250BSEC-2411 | IAFR-300BSEC-2412 | IAFR-350BSEC-2413 | IAFR-400BSEC-2414 | IAFR-450BSEC-2415 | IAFR-500BSEC-2416 | IAFR-550BSEC-2417 | IAFR-630BSEC-2418 |
| Maximum airflow          | m <sup>3</sup> /h | 1410              | 2615              | 3185              | 5600              | 6475              | 7870              | 11460             | 21480             |
| Supply voltage/frequency | V/Hz              | 230/50            | 230/50            | 230/50            | 230/50            | 230/50            | 230/50            | 3x400/50          | 3x400/50          |
| Motor power              | W                 | 105               | 150               | 138               | 500               | 430               | 430               | 1180              | 2770              |
| Net weight               | kg                | 5,3               | 7,7               | 9,3               | 15,4              | 19                | 25,5              | 23                | 44,5              |
| Noise                    | dB                | 68                | 70                | 70                | 78                | 69                | 70                | 77                | 86                |

## DIMENSIONS



|                     | 1      | 2      | 3      |
|---------------------|--------|--------|--------|
| <b>FR-250-BS EC</b> | 380 mm | 250 mm | 96 mm  |
| <b>FR-300-BS EC</b> | 430 mm | 300 mm | 112 mm |
| <b>FR-350-BS EC</b> | 485 mm | 350 mm | 127 mm |
| <b>FR-400-BS EC</b> | 540 mm | 400 mm | 146 mm |
| <b>FR-450-BS EC</b> | 580 mm | 447 mm | 148 mm |
| <b>FR-500-BS EC</b> | 600 mm | 500mm  | 157 mm |
| <b>FR-550-BS EC</b> | 725 mm | 548 mm | 160 mm |
| <b>FR-630-BS EC</b> | 805 mm | 630 mm | 245 mm |

## CONTROLLERS



## ACCESSORIES



| Gravity shutter |                    |
|-----------------|--------------------|
| GS 300x300 mm   | <b>GS-300-2075</b> |
| GS 350x350 mm   | <b>GS-350-2076</b> |
| GS 400x400 mm   | <b>GS-400-2077</b> |
| GS 460x460 mm   | <b>GS-460-2078</b> |
| GS 550x550 mm   | <b>GS-550-2079</b> |
| GS 650x650 mm   | <b>GS-650-2080</b> |
| GS 800x800 mm   | <b>GS-800-2081</b> |

# Axial fans in round housing series **FR-BC**



motor AC  
voltage 230V



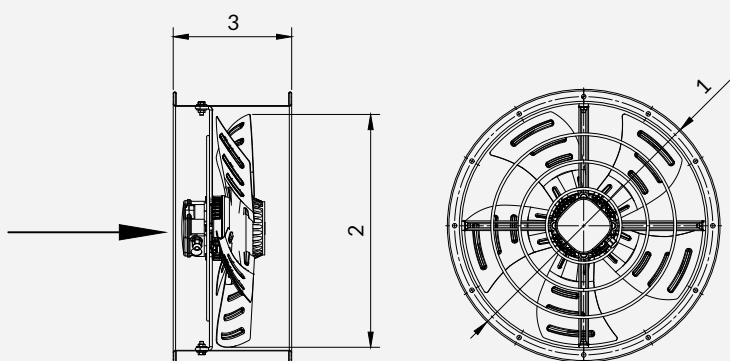
Technical  
documentation



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|                          |                   | FR-200-BC      | FR-250-BC      | FR-300-BC      | FR-350-BC      | FR-400-BC      | FR-450-BC      | FR-500-BC      | FR-550-BC      | FR-630-BC      |
|--------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| PRODUCT CODE             |                   | IAFR200BC-1732 | IAFR250BC-1733 | IAFR300BC-1734 | IAFR350BC-1735 | IAFR400BC-1736 | IAFR450BC-1737 | IAFR500BC-1738 | IAFR550BC-1739 | IAFR630BC-1740 |
| Maximum airflow          | m <sup>3</sup> /h | 780            | 1220           | 1550           | 2450           | 3950           | 5000           | 7200           | 7500           | 11400          |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         | 230/50         |
| Motor power              | W                 | 55             | 80             | 75             | 126            | 180            | 250            | 380            | 385            | 660            |
| Net weight               | kg                | 2              | 3,4            | 4              | 6              | 7,5            | 9              | 11,5           | 16             | 29             |
| Noise                    | dB                | 52             | 60             | 60             | 64             | 67             | 69             | 71             | 71             | 74             |

## DIMENSIONS



|                  | 1      | 2        | 3      |
|------------------|--------|----------|--------|
| <b>FR-200-BC</b> | 250 mm | 200-5 mm | 180 mm |
| <b>FR-250-BC</b> | 306 mm | 250-5 mm | 180 mm |
| <b>FR-300-BC</b> | 390 mm | 300-5 mm | 180 mm |
| <b>FR-350-BC</b> | 424 mm | 350-5 mm | 180 mm |
| <b>FR-400-BC</b> | 466 mm | 400-5 mm | 210 mm |
| <b>FR-450-BC</b> | 515 mm | 450-5 mm | 210 mm |
| <b>FR-500-BC</b> | 567 mm | 500-5 mm | 250 mm |
| <b>FR-550-BC</b> | 640 mm | 550-5 mm | 252 mm |
| <b>FR-630-BC</b> | 705 mm | 630-5 mm | 250 mm |

## CONTROLLERS



Programmable  
controller  
HMI SINGLE BMS  
**HMI-SIN-2021**



Thyristor speed controller  
TRO  
TRO-150W **FS-TRO150-2054**  
TRO-600W **FS-TRO600-2055**  
\*with the exception of FR-500-BC



Relay module  
RM-16A  
**RM16A-2343**



Maintenance ON/OFF  
switch MS 230V  
**MS230-2419**



Manual room  
thermostat HC  
**RTHC-1523**



| Fan speed<br>controller HC |                    |
|----------------------------|--------------------|
| <b>1,2A</b>                | <b>FSHC-1520</b>   |
| <b>3A</b>                  | <b>FS3HC-2104</b>  |
| <b>5A</b>                  | <b>FS5HC-1607</b>  |
| <b>7A</b>                  | <b>FS7HC-1608</b>  |
| <b>14A</b>                 | <b>FS14HC-1610</b> |

\*with the exception of FR-500-BC



# Duct fans series FR-DF



motor AC  
voltage 230V



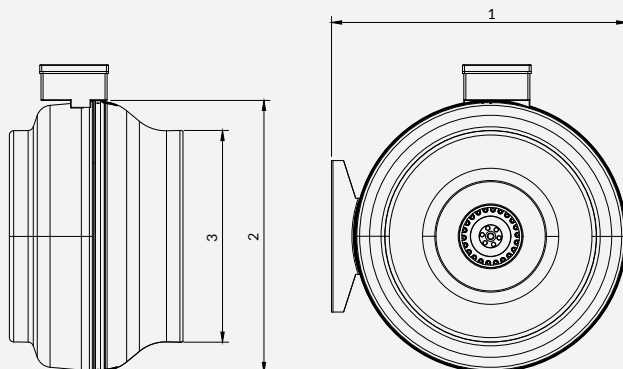
Technical  
documentation



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price

|                          |                   | FR-100-DF      | FR-125-DF      | FR-150-DF      | FR-160-DF      | FR-200-DF     | FR-250-DF      | FR-315-DF      |
|--------------------------|-------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| PRODUCT CODE             |                   | IDFR100DF-1741 | IDFR125DF-1742 | IDFR150DF-1743 | IDFR160DF-1744 | IDFR200DF-175 | IDFR250DF-1746 | IDFR315DF-1747 |
| Maximum airflow          | m <sup>3</sup> /h | 250            | 340            | 590            | 680            | 980           | 1050           | 1450           |
| Supply voltage/frequency | V/Hz              | 230/50         | 230/50         | 230/50         | 230/50         | 230/50        | 230/50         | 230/50         |
| Motor power              | W                 | 67             | 67             | 100            | 100            | 150           | 145            | 225            |
| Net weight               | kg                | 3,1            | 2,9            | 4,5            | 4,5            | 5,2           | 5,2            | 6,8            |
| Noise                    | dB                | 63             | 65             | 64             | 65             | 64            | 66             | 70             |

## DIMENSIONS

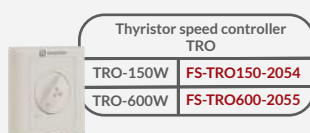


|           | 1        | 2        | 3      |
|-----------|----------|----------|--------|
| FR-100-DF | 276±2 mm | 242±2 mm | 100 mm |
| FR-125-DF | 276±2 mm | 242±2 mm | 125 mm |
| FR-150-DF | 378±2 mm | 344±2 mm | 150 mm |
| FR-160-DF | 380±2 mm | 344±2 mm | 160 mm |
| FR-200-DF | 380±2 mm | 346±2 mm | 200 mm |
| FR-250-DF | 380±2 mm | 346±2 mm | 250 mm |
| FR-315-DF | 434±2 mm | 400±2 mm | 315 mm |

## CONTROLLERS



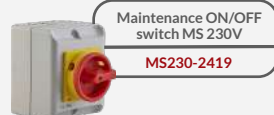
Programmable  
controller  
HMI SINGLE BMS  
**HMI-SIN-2021**



Thyristor speed controller  
TRO  
TRO-150W **FS-TRO150-2054**  
TRO-600W **FS-TRO600-2055**



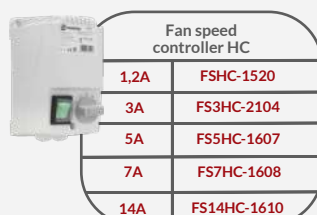
Relay module  
RM-16A  
**RM16A-2343**



Maintenance ON/OFF  
switch MS 230V  
**MS230-2419**



Manual room  
thermostat HC  
**RTHC-1523**



Fan speed  
controller HC  
1,2A **FSHC-1520**  
3A **FS3HC-2104**  
5A **FS5HC-1607**  
7A **FS7HC-1608**  
14A **FS14HC-1610**

Roof fans  
series **STORM AC**



motor AC  
voltage 230V/400V

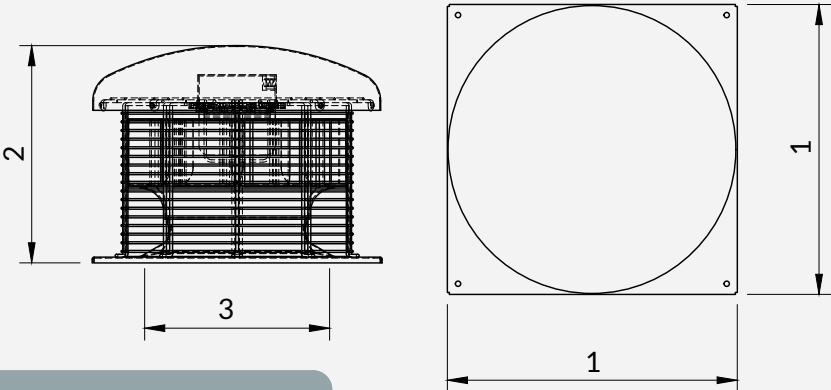


Technical  
documentation

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|                          |      | STORM 190 AC    | STORM 250 AC    | STORM 315 AC    | STORM 400 AC    | STORM 450 AC    |
|--------------------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PRODUCT CODE             |      | STORM190AC-2017 | STORM250AC-1981 | STORM315AC-1982 | STORM400AC-2018 | STORM450AC-2333 |
| Maximum airflow          | m3/h | 440             | 1340            | 1780            | 2880            | 6700            |
| Supply voltage/frequency | V/Hz | 230/50          | 230/50          | 230/50          | 230/50          | 400/50          |
| Motor power              | W    | 57              | 160             | 140             | 260             | 800             |
| Net weight               | kg   | 7,0             | 8,5             | 11,5            | 15              | 25              |
| Noise                    | dB   | 55              | 54              | 52              | 56              | 70              |

DIMENSIONS



|              | 1        | 2         | 3        |
|--------------|----------|-----------|----------|
| STORM 190 AC | 350±1 mm | 190±5 mm  | 123±2 mm |
| STORM 250 AC | 350±1 mm | 230±5 mm  | 165±2 mm |
| STORM 315 AC | 500±1 mm | 320±5 mm  | 208±2 mm |
| STORM 400 AC | 500±1 mm | 330±5 mm  | 257±2 mm |
| STORM 450 AC | 700±1 mm | 420±10 mm | 370±2 mm |

CONTROLLERS



Programmable  
controller  
HMI SINGLE BMS

**HMI-SIN-2021**

\*only applies to  
fans 230V



Thyristor speed controller  
TRO

|          |                       |
|----------|-----------------------|
| TRO-150W | <b>FS-TRO150-2054</b> |
| TRO-600W | <b>FS-TRO600-2055</b> |

\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 400V

**MS400-2420**

\*only applies to  
fans 400V



| Fan speed<br>controller HC |                    |
|----------------------------|--------------------|
| 1,2A                       | <b>FSHC-1520</b>   |
| 3A                         | <b>FS3HC-2104</b>  |
| 5A                         | <b>FS5HC-1607</b>  |
| 7A                         | <b>FS7HC-1608</b>  |
| 14A                        | <b>FS14HC-1610</b> |

\*only applies to  
fans 230V



Manual room  
thermostat HC

**RTHC-1523**

\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 230V

**MS230-2419**

\*only applies to  
fans 230V

ACCESSORIES



| Roof base STORM S                           |                    |
|---------------------------------------------|--------------------|
| STORM S                                     | <b>RBS-2345</b>    |
| Insulated 50 mm STORM S                     | <b>RBIS-2345</b>   |
| Insulated 50 mm with damping mantle STORM S | <b>RBISDM-2346</b> |

\*dedicated to STORM models: 190 AC, 250 AC



| Roof base STORM L                           |                    |
|---------------------------------------------|--------------------|
| STORM L                                     | <b>RBL-2350</b>    |
| Insulated 50 mm STORM L                     | <b>RBIL-2351</b>   |
| Insulated 50 mm with damping mantle STORM L | <b>RBILDM-2352</b> |

\*dedicated to STORM models: 450 AC



| Roof base STORM M                           |                    |
|---------------------------------------------|--------------------|
| STORM M                                     | <b>RBM-2347</b>    |
| Insulated 50 mm STORM M                     | <b>RBIM-2348</b>   |
| Insulated 50 mm with damping mantle STORM M | <b>RBIMDM-2349</b> |

\*dedicated to STORM models: 315 AC, 400 AC



Upper/lower adapter plate

**AP-2003**



# Roof fans series **STORM EC**

motor **EC**  
voltage **230V/400V**



Technical  
documentation

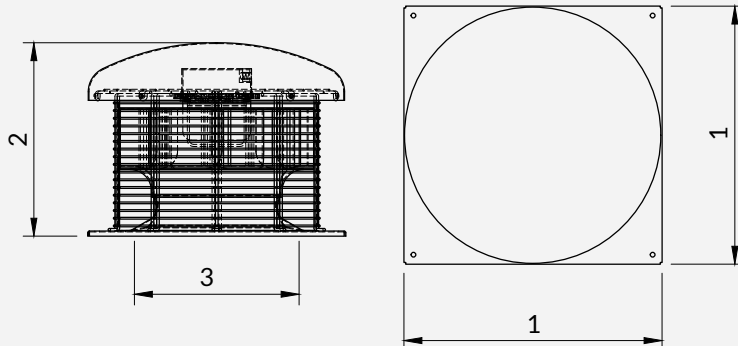


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|                          |                   | STORM 225 EC    | STORM 315 EC    | STORM 355 EC    | STORM 450 EC   | STORM 500 EC    |
|--------------------------|-------------------|-----------------|-----------------|-----------------|----------------|-----------------|
| PRODUCT CODE             |                   | STORM225EC-1983 | STORM315EC-1984 | STORM355EC-2019 | STORM450EC2334 | STORM500EC-2335 |
| Maximum airflow          | m <sup>3</sup> /h | 880             | 2250            | 3900            | 7300           | 13800           |
| Supply voltage/frequency | V/Hz              | 230/50          | 230/50          | 230/50          | 400/50         | 400/50          |
| Motor power              | W                 | 70              | 160             | 550             | 1006           | 3000            |
| Net weight               | kg                | 7,0             | 8,5             | 11,5            | 24             | 32              |
| Noise                    | dB                | 55              | 54              | 52              | 68             | 85              |

## DIMENSIONS



|                     | 1        | 2         | 3        |
|---------------------|----------|-----------|----------|
| <b>STORM 225 EC</b> | 350±1 mm | 230±5 mm  | 144±2 mm |
| <b>STORM 315 EC</b> | 500±1 mm | 320±5 mm  | 210±2 mm |
| <b>STORM 355 EC</b> | 500±1 mm | 360±5 mm  | 240±2 mm |
| <b>STORM 450 EC</b> | 700±1 mm | 450±5 mm  | 412±2 mm |
| <b>STORM 500 EC</b> | 700±1 mm | 560±10 mm | 450±2 mm |

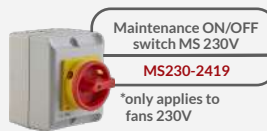
## CONTROLLERS



Potentiometer EC  
**PEC-2444**

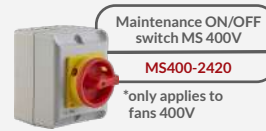


Programmable  
controller  
HMI EC BMS  
**HMIEC-1997**



Maintenance ON/OFF  
switch MS 230V  
**MS230-2419**

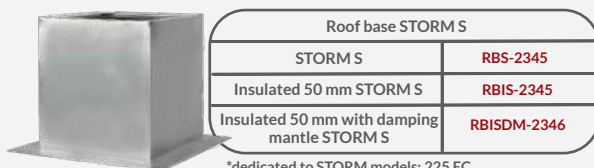
\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 400V  
**MS400-2420**

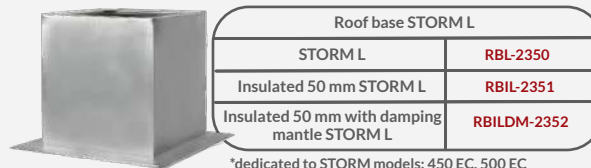
\*only applies to  
fans 400V

## ACCESSORIES



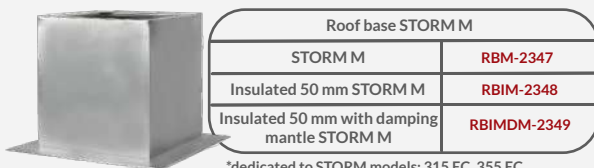
| Roof base STORM S                           |                    |
|---------------------------------------------|--------------------|
| STORM S                                     | <b>RBS-2345</b>    |
| Insulated 50 mm STORM S                     | <b>RBIS-2345</b>   |
| Insulated 50 mm with damping mantle STORM S | <b>RBISDM-2346</b> |

\*dedicated to STORM models: 225 EC



| Roof base STORM L                           |                    |
|---------------------------------------------|--------------------|
| STORM L                                     | <b>RBL-2350</b>    |
| Insulated 50 mm STORM L                     | <b>RBIL-2351</b>   |
| Insulated 50 mm with damping mantle STORM L | <b>RBILDM-2352</b> |

\*dedicated to STORM models: 450 EC, 500 EC



| Roof base STORM M                           |                    |
|---------------------------------------------|--------------------|
| STORM M                                     | <b>RBM-2347</b>    |
| Insulated 50 mm STORM M                     | <b>RBIM-2348</b>   |
| Insulated 50 mm with damping mantle STORM M | <b>RBIMDM-2349</b> |

\*dedicated to STORM models: 315 EC, 355 EC



Upper/lower adapter plate  
**AP-2003**



# Roof fans series BLAST

motor AC  
voltage 230V



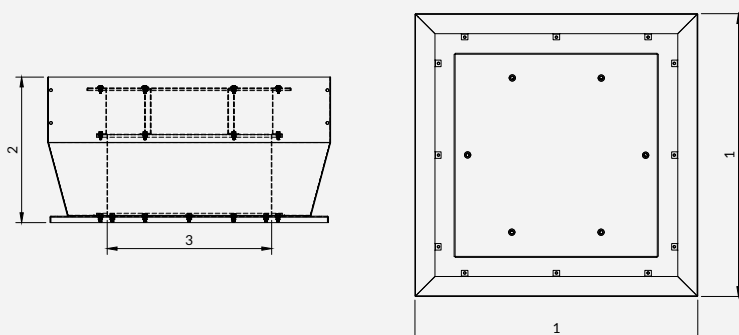
Technical  
documentation



Check the  
price

|                          |                   | BLAST 400        | BLAST 450        | BLAST 500        |
|--------------------------|-------------------|------------------|------------------|------------------|
| PRODUCT CODE             |                   | BLAST-400AC-2082 | BLAST-450AC-2083 | BLAST-500AC-2084 |
| Maximum airflow          | m <sup>3</sup> /h | 2300             | 3700             | 4400             |
| Supply voltage/frequency | V/Hz              | 230/50           | 230/50           | 230/50           |
| Motor power              | W                 | 205              | 370              | 500              |
| Net weight               | kg                | 35               | 42               | 50               |
| Noise                    | dB                | 66               | 68               | 70               |

## DIMENSIONS



|           | 1      | 2      | 3      |
|-----------|--------|--------|--------|
| BLAST 400 | 750 mm | 410 mm | 410 mm |
| BLAST 450 | 800 mm | 410 mm | 460 mm |
| BLAST 500 | 850 mm | 445 mm | 515 mm |

## CONTROLLERS



| Thyristor speed controller<br>TRO |                |
|-----------------------------------|----------------|
| TRO-150W                          | FS-TRO150-2054 |
| TRO-600W                          | FS-TRO600-2055 |



| Maintenance ON/OFF<br>switch MS 230V |
|--------------------------------------|
| MS230-2419                           |



| Fan speed<br>controller HC |             |
|----------------------------|-------------|
| 1,2A                       | FSHC-1520   |
| 3A                         | FS3HC-2104  |
| 5A                         | FS5HC-1607  |
| 7A                         | FS7HC-1608  |
| 14A                        | FS14HC-1610 |

## ACCESSORIES



| Roof base BLAST 400AC                           |                   |
|-------------------------------------------------|-------------------|
| BLAST 400AC                                     | RB-BLAST-2085     |
| Insulated 50 mm BLAST 400AC                     | RBI50-BLAST-2086  |
| Insulated 50 mm with damping mantle BLAST 400AC | RBI50D-BLAST-2087 |



| Roof base BLAST 500AC                           |                        |
|-------------------------------------------------|------------------------|
| BLAST 500AC                                     | RB-BLAST500AC-2096     |
| Insulated 50 mm BLAST 500AC                     | RBI50-BLAST500AC-2097  |
| Insulated 50 mm with damping mantle BLAST 500AC | RBI50D-BLAST500AC-2098 |



| Roof base BLAST 450AC                           |                        |
|-------------------------------------------------|------------------------|
| BLAST 450AC                                     | RB-BLAST450AC-2093     |
| Insulated 50 mm BLAST 450AC                     | RBI50-BLAST450AC-2094  |
| Insulated 50 mm with damping mantle BLAST 450AC | RBI50D-BLAST450AC-2095 |



# Roof fans series **STORM PRO AC**

motor AC  
voltage 230V/400V



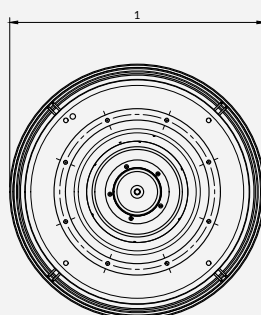
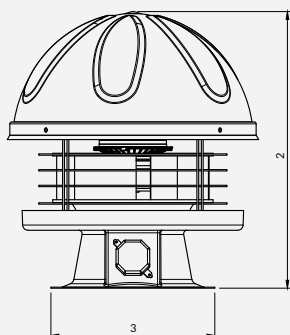
Technical  
documentation



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price

|                          |                   | STORM PRO 250 AC    | STORM PRO 315 AC    | STORM PRO 400 AC    | STORM PRO 450 AC    |
|--------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| PRODUCT CODE             |                   | STORM-PRO250AC-2507 | STORM-PRO315AC-2508 | STORM-PRO400AC-2509 | STORM-PRO450AC-2510 |
| Maximum airflow          | m <sup>3</sup> /h | 1340                | 1780                | 2880                | 6700                |
| Supply voltage/frequency | V/Hz              | 230/50              | 230/50              | 230/50              | 400/50              |
| Motor power              | W                 | 160                 | 140                 | 260                 | 800                 |
| Net weight               | kg                | 8,5                 | 11,5                | 15                  | 25                  |
| Noise                    | dB                | 54                  | 52                  | 56                  | 70                  |

## DIMENSIONS



|                         | 1       | 2      | 3         |
|-------------------------|---------|--------|-----------|
| <b>STORM PRO 250 AC</b> | Ø383 mm | 420 mm | Ø257,5 mm |
| <b>STORM PRO 315 AC</b> | Ø560 mm | 615 mm | Ø365 mm   |
| <b>STORM PRO 400 AC</b> | Ø560 mm | 615 mm | Ø365 mm   |
| <b>STORM PRO 450 AC</b> | Ø664 mm | 846 mm | Ø497,5 mm |

## CONTROLLERS



Programmable  
controller  
HMI SINGLE BMS  
**HMI-SIN-2021**

\*only applies to  
fans 230V



Thyristor speed controller  
TRO  
TRO-150W **FS-TRO150-2054**  
TRO-600W **FS-TRO600-2055**

\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 400V  
**MS400-2420**

\*only applies to  
fans 400V



| Fan speed<br>controller HC |                    |
|----------------------------|--------------------|
| 1,2A                       | <b>FSHC-1520</b>   |
| 3A                         | <b>FS3HC-2104</b>  |
| 5A                         | <b>FS5HC-1607</b>  |
| 7A                         | <b>FS7HC-1608</b>  |
| 14A                        | <b>FS14HC-1610</b> |

\*only applies to  
fans 230V



Manual room  
thermostat HC  
**RTHC-1523**

\*only applies to  
fans 230V



Maintenance ON/OFF  
switch MS 230V  
**MS230-2419**

\*only applies to  
fans 230V

## ACCESSORIES



| Roof base STORM S                           |                    |
|---------------------------------------------|--------------------|
| STORM S                                     | <b>RBS-2345</b>    |
| Insulated 50 mm STORM S                     | <b>RBIS-2345</b>   |
| Insulated 50 mm with damping mantle STORM S | <b>RBISDM-2346</b> |

\*dedicated to STORM PRO models: 190 AC, 250 AC



| Roof base STORM L                           |                    |
|---------------------------------------------|--------------------|
| STORM L                                     | <b>RBL-2350</b>    |
| Insulated 50 mm STORM L                     | <b>RBIL-2351</b>   |
| Insulated 50 mm with damping mantle STORM L | <b>RBILDM-2352</b> |

\*dedicated to STORM PRO models: 450 AC



| Roof base STORM M                           |                    |
|---------------------------------------------|--------------------|
| STORM M                                     | <b>RBM-2347</b>    |
| Insulated 50 mm STORM M                     | <b>RBIM-2348</b>   |
| Insulated 50 mm with damping mantle STORM M | <b>RBIMDM-2349</b> |

\*dedicated to STORM PRO models: 315 AC, 400 AC



Upper/lower adapter plate

**AP-2505**

# Roof fans series **STORM PRO EC**



motor EC  
voltage 230V/400V



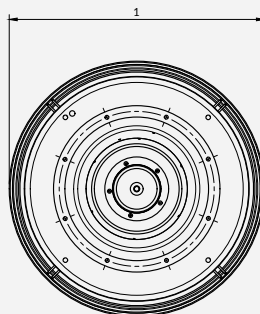
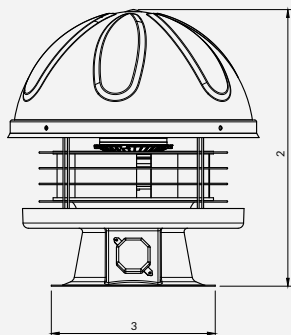
Technical  
documentation



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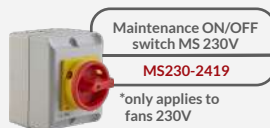
|                          |                   | STORM PRO 225 EC    | STORM PRO 315 EC    | STORM PRO 355 EC    | STORM PRO 450 EC    | STORM PRO 500 EC    |
|--------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| PRODUCT CODE             |                   | STORM-PRO225EC-2511 | STORM-PRO315EC-2512 | STORM-PRO355EC-2513 | STORM-PRO450EC-2514 | STORM-PRO500EC-2515 |
| Maximum airflow          | m <sup>3</sup> /h | 880                 | 2250                | 3900                | 7300                | 13800               |
| Supply voltage/frequency | V/Hz              | 230/50              | 230/50              | 230/50              | 400/50              | 400/50              |
| Motor power              | W                 | 70                  | 160                 | 550                 | 1006                | 3000                |
| Net weight               | kg                | 7,0                 | 8,5                 | 11,5                | 24                  | 32                  |
| Noise                    | dB                | 55                  | 54                  | 52                  | 68                  | 85                  |

## DIMENSIONS

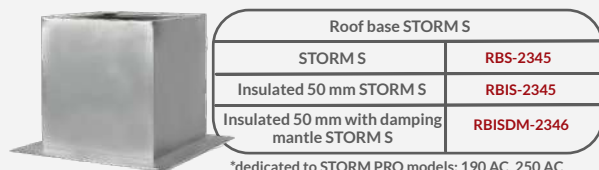


|                         | 1       | 2      | 3         |
|-------------------------|---------|--------|-----------|
| <b>STORM PRO 225 EC</b> | Ø383 mm | 420 mm | Ø257,5 mm |
| <b>STORM PRO 315 EC</b> | Ø560 mm | 615 mm | Ø365 mm   |
| <b>STORM PRO 355 EC</b> | Ø560 mm | 615 mm | Ø365 mm   |
| <b>STORM PRO 450 EC</b> | Ø664 mm | 846 mm | Ø497,5 mm |
| <b>STORM PRO 500 EC</b> | Ø664 mm | 846 mm | Ø497,5 mm |

## CONTROLLERS



## ACCESSORIES



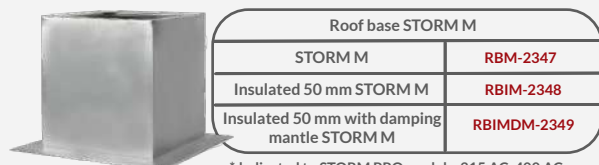
| Roof base STORM S                           |                    |
|---------------------------------------------|--------------------|
| STORM S                                     | <b>RBS-2345</b>    |
| Insulated 50 mm STORM S                     | <b>RBIS-2345</b>   |
| Insulated 50 mm with damping mantle STORM S | <b>RBISDM-2346</b> |

\*dedicated to STORM PRO models: 190 AC, 250 AC



| Roof base STORM L                           |                    |
|---------------------------------------------|--------------------|
| STORM L                                     | <b>RBL-2350</b>    |
| Insulated 50 mm STORM L                     | <b>RBIL-2351</b>   |
| Insulated 50 mm with damping mantle STORM L | <b>RBILDM-2352</b> |

\*dedicated to STORM PRO models: 450 AC



| Roof base STORM M                           |                    |
|---------------------------------------------|--------------------|
| STORM M                                     | <b>RBM-2347</b>    |
| Insulated 50 mm STORM M                     | <b>RBIM-2348</b>   |
| Insulated 50 mm with damping mantle STORM M | <b>RBIMDM-2349</b> |

\*dedicated to STORM PRO models: 315 AC, 400 AC





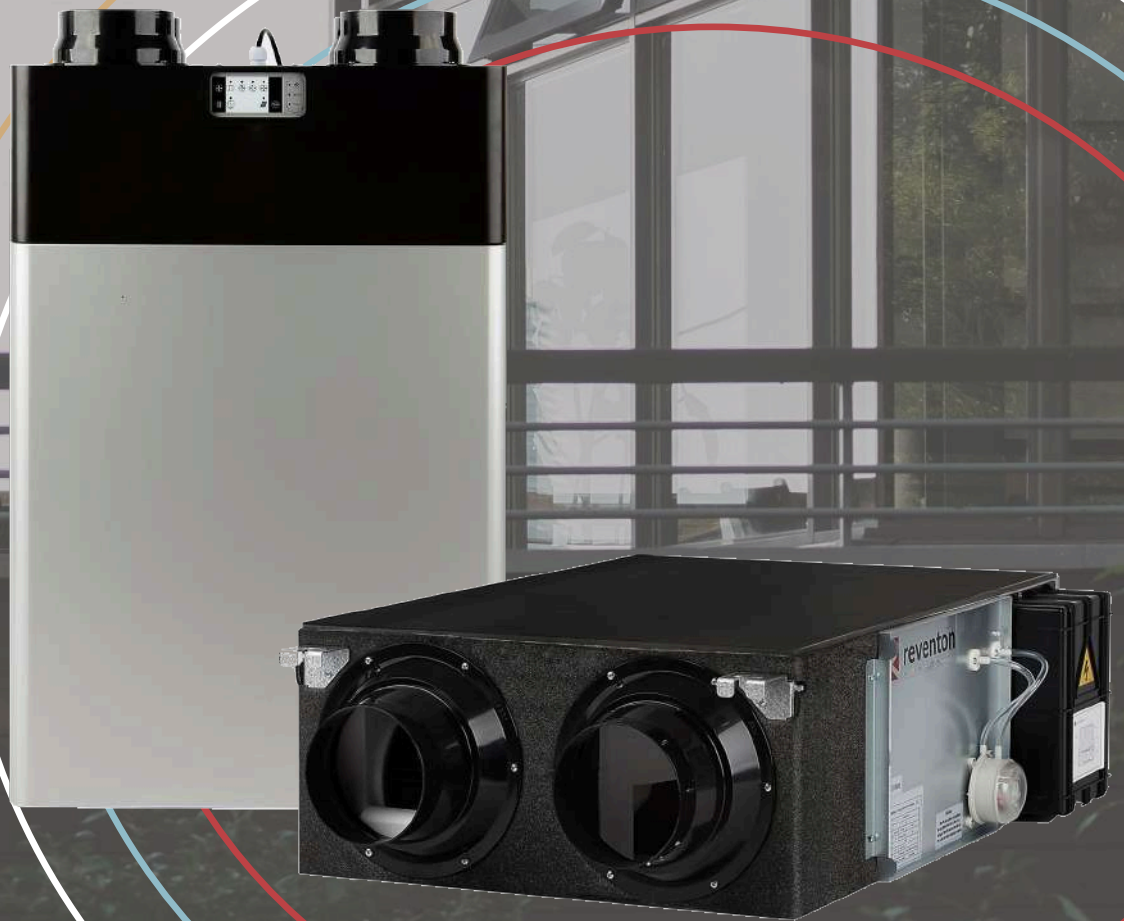
# recovery units

from the series **INSPIRO BASIC**

from the series **INSPIRO**

from the series **VERTIC**

from the series **WALLER**



# Energy recovery units series INSPIRO BASIC



motor AC  
voltage 230V



Technical  
documentation

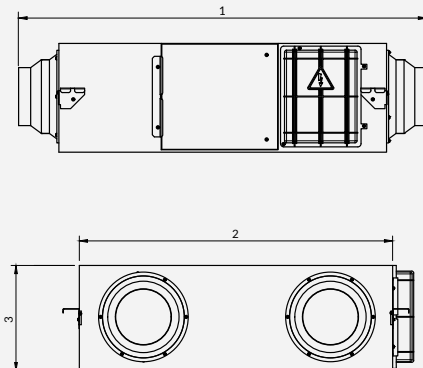


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| PRODUCT CODE             |                   | INSPIRO BASIC 200                                    | INSPIRO BASIC 300                                    | INSPIRO BASIC 400                                    | INSPIRO BASIC 600                                    | INSPIRO BASIC 800                                    | INSPIRO BASIC 1000                                     | INSPIRO BASIC 1300                                     |
|--------------------------|-------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
|                          |                   | INSPIRO BASIC 200<br>POLY                            | INSPIRO BASIC 300<br>POLY                            | INSPIRO BASIC 400<br>POLY                            | INSPIRO BASIC 600<br>POLY                            | INSPIRO BASIC 800<br>POLY                            | INSPIRO BASIC 1000<br>POLY                             | INSPIRO BASIC 1300<br>POLY                             |
|                          |                   | INSPIRO-BASIC-200-2022<br>INSPIRO-BASIC-200POLY-2306 | INSPIRO-BASIC-300-2023<br>INSPIRO-BASIC-300POLY-2307 | INSPIRO-BASIC-400-2024<br>INSPIRO-BASIC-400POLY-2308 | INSPIRO-BASIC-600-2025<br>INSPIRO-BASIC-600POLY-2309 | INSPIRO-BASIC-800-2026<br>INSPIRO-BASIC-800POLY-2310 | INSPIRO-BASIC-1000-2028<br>INSPIRO-BASIC-1000POLY-2311 | INSPIRO-BASIC-1300-2027<br>INSPIRO-BASIC-1300POLY-2312 |
| Nominal airflow          | m <sup>3</sup> /h | 200                                                  | 300                                                  | 400                                                  | 600                                                  | 800                                                  | 1000                                                   | 1300                                                   |
| Supply voltage/frequency | V/Hz              | 220-240/50                                           | 220-240/50                                           | 220-240/50                                           | 220-240/50                                           | 220-240/50                                           | 220-240/50                                             | 220-240/50                                             |
| Motor power              | W                 | 105                                                  | 117                                                  | 150                                                  | 200                                                  | 355                                                  | 440                                                    | 710                                                    |
| Net weight               | kg                | 23                                                   | 25                                                   | 31                                                   | 36                                                   | 60                                                   | 70                                                     | 79                                                     |
| Noise                    | dB                | 31,5                                                 | 34,5                                                 | 37,5                                                 | 39                                                   | 41                                                   | 42                                                     | 43                                                     |
| Energy efficiency class  | -                 | A                                                    | A                                                    | A                                                    | A                                                    | A                                                    | A                                                      | A                                                      |

## DIMENSIONS

|                    | 1       | 2       | 3      |
|--------------------|---------|---------|--------|
| INSPIRO BASIC 200  | 866 mm  | 580 mm  | 264 mm |
| INSPIRO BASIC 300  | 944 mm  | 599 mm  | 270 mm |
| INSPIRO BASIC 400  | 944 mm  | 804 mm  | 270 mm |
| INSPIRO BASIC 600  | 1038 mm | 904 mm  | 270 mm |
| INSPIRO BASIC 800  | 1286 mm | 884 mm  | 388 mm |
| INSPIRO BASIC 1000 | 1286 mm | 1134 mm | 388 mm |
| INSPIRO BASIC 1300 | 1299 mm | 1216 mm | 388 mm |



## ACCESSORIES

| FILTER ISO coarse ≥ 50% / G3 |                    |
|------------------------------|--------------------|
| INSPIRO BASIC 200            | FEU3-150-B200-2057 |
| INSPIRO BASIC 300            | FEU3-250-B300-2058 |
| INSPIRO BASIC 400            | FEU3-350-B400-2059 |
| INSPIRO BASIC 600            | FEU3-500-B600-2060 |
| INSPIRO BASIC 800            | FEU3-650-B800-2061 |
| INSPIRO BASIC 1000           | FEU3-800-2062      |
| INSPIRO BASIC 1300           | FEU3-B1300-2100    |

| 1-step electric duct heater with controlling |                  |
|----------------------------------------------|------------------|
| 150/1.2                                      | EDH-150-12-2324  |
| 200/2.4                                      | EDH-200-24-2325  |
| 250/2.4                                      | EDH-250-24-2326  |
| 250/3.6                                      | EDH2-250-36-2327 |



# Energy recovery units series INSPIRO



motor EC  
voltage 230V



Technical  
documentation

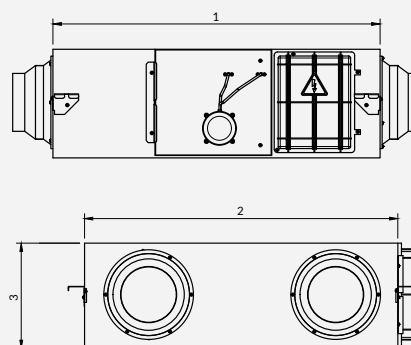


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price

|                          |                   | INSPIRO 150                             | INSPIRO 250                             | INSPIRO 350                             | INSPIRO 500                             | INSPIRO 650                             | INSPIRO 800                             | INSPIRO 1000                              | INSPIRO 1300                              |
|--------------------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------|
|                          |                   | INSPIRO 150<br>POLY                     | INSPIRO 250<br>POLY                     | INSPIRO 350<br>POLY                     | INSPIRO 500<br>POLY                     | INSPIRO 650<br>POLY                     | INSPIRO 800<br>POLY                     | INSPIRO 1000<br>POLY                      | INSPIRO 1300<br>POLY                      |
| PRODUCT CODE             |                   | INSPIRO150-1972<br>INSPIRO-150POLY-2313 | INSPIRO250-1973<br>INSPIRO-250POLY-2314 | INSPIRO350-1974<br>INSPIRO-350POLY-2315 | INSPIRO500-1975<br>INSPIRO-500POLY-2316 | INSPIRO650-1976<br>INSPIRO-650POLY-2317 | INSPIRO800-1977<br>INSPIRO-800POLY-2318 | INSPIRO1000-2026<br>INSPIRO-1000POLY-2319 | INSPIRO1300-2027<br>INSPIRO-1300POLY-2320 |
| Nominal airflow          | m <sup>3</sup> /h | 150                                     | 250                                     | 350                                     | 500                                     | 650                                     | 800                                     | 1000                                      | 1300                                      |
| Supply voltage/frequency | V/Hz              | 220-240/50                              | 220-240/50                              | 220-240/50                              | 220-240/50                              | 220-240/50                              | 220-240/50                              | 220-240/50                                | 220-240/50                                |
| Motor power              | W                 | 45                                      | 98                                      | 107                                     | 105                                     | 275                                     | 285                                     | 425                                       | 436                                       |
| Net weight               | kg                | 25                                      | 27                                      | 33                                      | 38                                      | 62                                      | 72                                      | 81                                        | 81                                        |
| Noise                    | dB                | 31,5                                    | 34,5                                    | 37,5                                    | 39                                      | 41                                      | 42                                      | 43                                        | 43                                        |
| Energy efficiency class  | -                 | A                                       | A                                       | A                                       | A                                       | A                                       | A                                       | A                                         | A                                         |

## DIMENSIONS

|              | 1       | 2       | 3      |
|--------------|---------|---------|--------|
| INSPIRO 150  | 936 mm  | 580 mm  | 264 mm |
| INSPIRO 250  | 1014 mm | 599 mm  | 270 mm |
| INSPIRO 350  | 1014 mm | 804 mm  | 270 mm |
| INSPIRO 500  | 1108 mm | 904 mm  | 270 mm |
| INSPIRO 650  | 1356 mm | 884 mm  | 388 mm |
| INSPIRO 800  | 1356 mm | 1134 mm | 388 mm |
| INSPIRO 1000 | 1369 mm | 1216 mm | 388 mm |
| INSPIRO 1300 | 1369 mm | 1216 mm | 388 mm |



## CONTROLLERS



Sensor CO2  
INSPIRO  
INSPIRO-CO2-1979



Humidity sensor  
INSPIRO-HUM-1980



Intelligent control panel  
PREMIUM  
INSPIRO-CON-1978



WIFI module  
INSPIRO  
MF-2043

## ACCESSORIES

|         | 1-step electric duct heater |
|---------|-----------------------------|
| 150/1.2 | EPH-INSPIRO150-350-2038     |
| 200/2.4 | EPH-INSPIRO500-2039         |
| 250/2.4 | EPH-INSPIRO650/800-2040     |
| 250/3.6 | EPH-INSPIRO1000/1300-2041   |



|                   | FILTER ISO ePM1 ≥ 50% / F7 |
|-------------------|----------------------------|
| INSPIRO 150       | FEU7-150-2063              |
| INSPIRO 250       | FEU7-250-2064              |
| INSPIRO 350       | FEU7-350-2065              |
| INSPIRO 500       | FEU7-500-2066              |
| INSPIRO 650       | FEU7-650-2067              |
| INSPIRO 800       | FEU7-800-2068              |
| INSPIRO 1000/1300 | FEU7-1000-1300-2102        |

|                   | FILTER ISO coarse ≥ 50% / G3 |
|-------------------|------------------------------|
| INSPIRO 150       | FEU3-150-B200-2057           |
| INSPIRO 250       | FEU3-250-B300-2058           |
| INSPIRO 350       | FEU3-350-B400-2059           |
| INSPIRO 500       | FEU3-500-B600-2060           |
| INSPIRO 650       | FEU3-650-B800-2061           |
| INSPIRO 800       | FEU3-800-2062                |
| INSPIRO 1000/1300 | FEU3-1000-1300-2101          |



|                   | FILTER ISO coarse ≥ 70% / F9 |
|-------------------|------------------------------|
| INSPIRO 150       | FEU9-150-2069                |
| INSPIRO 250       | FEU9-250-2070                |
| INSPIRO 350       | FEU9-350-2071                |
| INSPIRO 500       | FEU9-500-2072                |
| INSPIRO 650       | FEU9-650-2073                |
| INSPIRO 800       | FEU9-800-2074                |
| INSPIRO 1000/1300 | FEU9-1000-1300-2103          |





# Heat recovery units series VERTIC

motor EC  
voltage 230V



Technical  
documentation

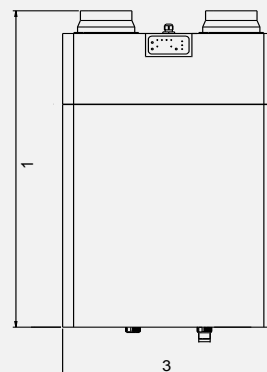
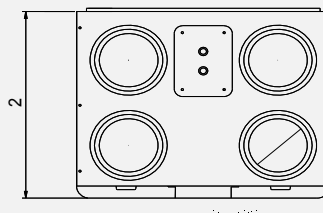


Check the  
price

| PRODUCT CODE             |                                                     | VERTIC 250             | VERTIC 350             | VERTIC 500             |
|--------------------------|-----------------------------------------------------|------------------------|------------------------|------------------------|
|                          |                                                     | VERTIC 250<br>ENTHALPY | VERTIC 350<br>ENTHALPY | VERTIC 500<br>ENTHALPY |
|                          |                                                     | VERTIC-250-2047        | VERTIC-350-2048        | VERTIC-500-2049        |
|                          |                                                     | VERTIC-250E-2321       | VERTIC-350E-2322       | VERTIC-500E-2323       |
| Nominal airflow          | m <sup>3</sup> /h<br><small>5/4/3/2/1 stage</small> | 250/175/145/100/80     | 350/245/180/130/100    | 500/350/270/185/105    |
| Supply voltage/frequency | V/Hz                                                | 230/50                 | 230/50                 | 230/50                 |
| Motor power              | W                                                   | 137                    | 272                    | 412                    |
| Net weight               | kg                                                  | 40                     | 40                     | 50                     |
| Noise                    | dB                                                  | 35                     | 37                     | 39                     |
| Energy efficiency class  | -                                                   | A                      | A                      | A                      |

## DIMENSIONS

|            | 1       | 2        | 3      |
|------------|---------|----------|--------|
| VERTIC 250 | 975 mm  | 480 mm   | 595 mm |
| VERTIC 350 | 975 mm  | 480 mm   | 595 mm |
| VERTIC 500 | 1085 mm | 624,5 mm | 655 mm |



## CONTROLLERS



Sensor CO2  
VERTIC  
VERTIC-CO2-2053



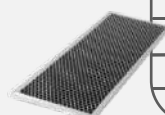
Intelligent control panel  
VERTIC  
VERTIC-IP-2050



WiFi module  
VERTIC  
MF-VERTIC-2328

## ACCESSORIES

| FILTER ISO ePM1 ≥ 50% / F7                                                          |                |                        |
|-------------------------------------------------------------------------------------|----------------|------------------------|
|  | VERTIC 250/350 | VERTIC-F7-250-350-2051 |
|                                                                                     | VERTIC 500     | VERTIC-F7-500-2052     |

| FILTER ISO coarse ≥ 60% / G4                                                        |                       |                           |
|-------------------------------------------------------------------------------------|-----------------------|---------------------------|
|  | VERTIC 250/350        | VERTIC-EU4-250-350-2329   |
|                                                                                     | VERTIC 500            | VERTIC-EU4-500-2330       |
|                                                                                     | VERTIC 250/350 BYPASS | VERTIC-EU4-250-350BP-2331 |
|                                                                                     | VERTIC 500 BYPASS     | VERTIC-EU4-500BP-2332     |

| 1-step electric duct heater with controlling                                         |         |                  |
|--------------------------------------------------------------------------------------|---------|------------------|
|  | 150/1.2 | EDH-150-12-2324  |
|                                                                                      | 200/2.4 | EDH-200-24-2325  |
|                                                                                      | 250/2.4 | EDH-250-24-2326  |
|                                                                                      | 250/3.6 | EDH2-250-36-2327 |

# Energy recovery units series WALLER

motor EC  
voltage 230V



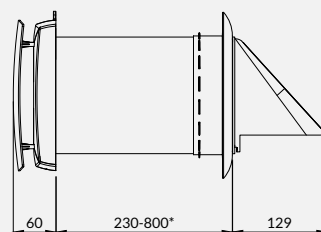
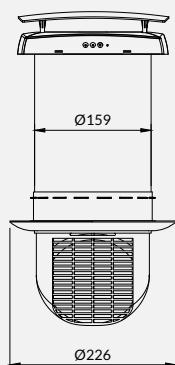
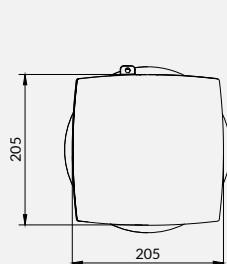
Technical  
documentation



Check the  
price

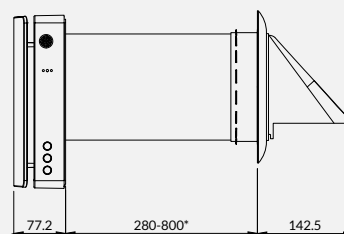
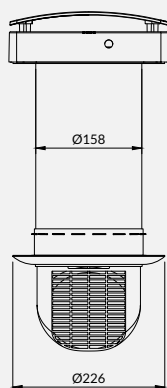
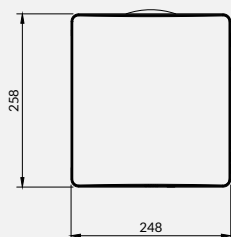
|                          |                                                             | WALLER 64      | WALLER WiFi      | WALLER WiFi CO2 | WALLER WiFi RH |
|--------------------------|-------------------------------------------------------------|----------------|------------------|-----------------|----------------|
| PRODUCT CODE             |                                                             | WALLER-64-2046 | WALLER-WIFI-2446 | WALLER-CO2-2451 | WALLER-RH-2450 |
| Nominal airflow          | m <sup>3</sup> /h<br><small>3 stage/2 stage/1 stage</small> | 64 / 55 / 26   | 64 / 55 / 26     | 50 / 40 / 20    | 50 / 40 / 20   |
| Supply voltage/frequency | V/Hz                                                        | 230/50-60      | 230/50-60        | 100-240/50-60   | 100-240/50-60  |
| Motor power              | W                                                           | 12             | 12               | 7,8 / 7 / 6     | 7,8 / 7 / 6    |
| Net weight               | kg                                                          | 3,4            | 3,4              | 4,2             | 4,2            |
| Noise                    | dB                                                          | 36,7           | 31,9             | 32,7            | 32,7           |
| Energy efficiency class  | -                                                           | A              | A                | A               | A              |

## DIMENSIONS



\*for lengths over 420 mm, the WALLER64 extension pipe (product code EP-64-242) is required.

WALLER 64  
WALLER WiFi



\*for lengths over 470 mm, the WALLER64 extension pipe (product code EP-64-242) is required.

WALLER CO2  
WALLER RH

## ACCESSORIES



Extension pipe  
EP-64-242



FILTER ISO ePM1 ≥ 50% / F7

|                        |                  |
|------------------------|------------------|
| WALLER64 & WALLER WIFI | FEU7-WALLER-2448 |
| WALLER WIFI CO2/RH     | FEU7-WALLER-2453 |

air conditioners





# Air conditioners series VESPER



motor AC  
voltage 230V



Technical  
documentation

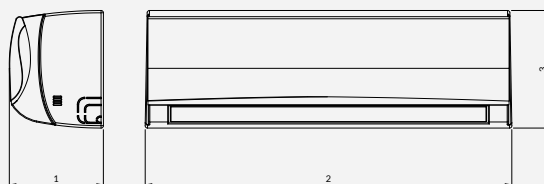


Check the  
price



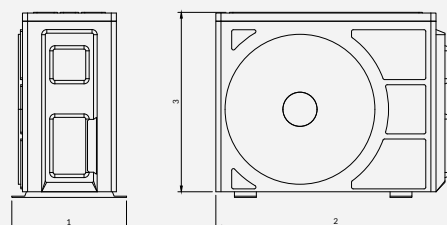
|                          |        |              | VESPER 3.4       | VESPER 5.1       |
|--------------------------|--------|--------------|------------------|------------------|
| PRODUCT CODE             |        |              | AC-VESPER34-2336 | AC-VESPER51-2337 |
| Capacity                 | kW     | cooling      | 3,40 (1 - 3,77)  | 5,10 (1,25-5,91) |
|                          |        | heating      | 3,42 (1 - 3,81)  | 5,10 (1,25-6,07) |
| SEER                     | W/W    |              | 6,1              | 6,1              |
| SCOP                     | W/W    |              | 4,0              | 4,0              |
| Energy class             | -      | cooling      | A++              | A++              |
|                          |        | heating      | A+               | A+               |
| Supply voltage/frequency | V/Hz   |              | 230/50           | 230/50           |
| Net weight               | kg     | indoor unit  | 10               | 13               |
|                          |        | outdoor unit | 25               | 39               |
| Noise                    | dB (A) | indoor unit  | 40/37/33/25/22   | 43/41/38/35/27   |
|                          |        | outdoor unit | 50               | 55               |

## DIMENSIONS



indoor unit

|            | 1      | 2      | 3      |
|------------|--------|--------|--------|
| VESPER 3.4 | 975 mm | 480 mm | 595 mm |
| VESPER 5.1 | 975 mm | 480 mm | 595 mm |



outdoor unit

|            | 1      | 2      | 3      |
|------------|--------|--------|--------|
| VESPER 3.4 | 975 mm | 480 mm | 595 mm |
| VESPER 5.1 | 975 mm | 480 mm | 595 mm |

## ACCESSORIES



Mounting bracket VESPER

MB-VESPER-2338



Cooper pipe

1/4" [1m] CP14-2339

3/8" [1m] CP382340

# accessory and controllers



# Accessory and controllers

## 3-STEP CONTROLLER WITH ROOM THERMOSTAT HC3S

The controller is used to control the operation of a 3-speed fan motor by changing the rotational speed. It has a 3-step speed regulation, continuous or thermostatic operation mode and a built-in temperature sensor (gas membrane).



**RTHC3S-1779**

**Voltage/ Frequency:** 230 V AC / 50 – 60 Hz  
**Maximum current load:** 3 A  
**Operating temperature range:** -10°C - 60°C  
**Regulation range:** 10°C - 30°C  
**Operating mode:** continuous or thermostatic  
**Control accuracy:** <1°C  
**Dimensions:** 130 x 85 x 40 mm  
**Weight:** 210 g  
**Degree of casing's protection:** IP 30

## MANUAL ROOM THERMOSTAT HC

Automatically turns on or off the heating/cooling device depending on the difference between the temperature set on the device (using the knob) and the actual temperature in the room. It has a built-in temperature sensor (gas membrane).



**RTHC-1523**

**Voltage/ Frequency:** 230 V AC / 50 – 60 Hz  
**Maximum current load:** 3 A  
**Operating temperature range:** 0 - 40°C  
**Regulation range:** 10 - 30°C  
**Regulation accuracy:** <1°C  
**Degree protection:** IP 30

## PROGRAMMABLE CONTROLLER HMI BMS

The controller is used to regulate a three-stage fan. It offers programmable, heating, cooling, ventilation modes, automatic selection of fan stage, integration with BMS (RS485), ON/OFF valve actuator control, built-in and external temperature sensor and LCD display.



**PCHMI-1797**

**Voltage/ Frequency:** 230 V AC / 50 – 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 45°C  
**Regulation range:** 5°C - 35°C  
**Regulation accuracy:** ± 0.5°C  
**Additional temperature sensor:** NTC 10K  
**Communication:** RS485  
**Dimensions:** 86 x 86 x 42 mm  
**Weight:** 270 g  
**Degree of protection (housing):** IP 20  
**Degree of protection (external sensor):** IP 68

## MANUAL THERMOSTAT IP 54

Automatically turns on or off the heating/cooling device depending on the difference between the temperature set on the device (using the knob) and the actual temperature in the room. Designed for use in aggressive and humid industrial or agricultural environments (warehouses, greenhouses, stables, etc.).



**MT54-2341**

**Voltage/ Frequency:** 230 V AC / 50 – 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 44°C  
**Regulation range:** 0 - 40°C  
**Regulation accuracy:** <2°C  
**Degree protection:** IP 54

## FAN SPEED CONTROLLER HC

The autotransformer is designed to gradually change the speed of a single-phase fan by changing the voltage. The controller is used in industrial heating, cooling and ventilation systems.



**5 control levels:** 80-105-135-170-230 V\*  
**Voltage/ Frequency:** 230 V AC / 50 – 60 Hz  
**Maximum current load (depending on model):**  
 1.2 A, 3 A, 5 A, 7 A, 14 A  
**Protection:** thermal switch  
**Weight (depending on model):**  
 1.45 kg, 2.5 kg, 4.5 kg, 5.5 kg or 10.5 kg  
**Degree of protection:** IP 54  
 \* regulation for 3 A regulator: 115-135-155-180-230 V

|      |             |
|------|-------------|
| 1,2A | FSHC-1520   |
| 3A   | FS3HC-2104  |
| 5A   | FS5HC-1607  |
| 7A   | FS7HC-1608  |
| 14A  | FS14HC-1610 |

## THYRISTOR SPEED CONTROLLER TRO

The thyristor enables smooth reduction of rotational speed by reducing the voltage supplying the single-phase motor by means of phase cutting. The controller is used in industrial heating and ventilation systems.



**Voltage/ Frequency:** 230V AC / 50-60 Hz  
**Maximum current load (depending on model):**  
 150 W for TRO-150W  
 600 W for TRO-600W  
**Operating temperature range:**  
 t = -20 - 55°C, 20% < φ < 90%  
**Dimensions:** (TRO-150W): 86 x 86 x 42 mm  
**Dimensions:** (TRO-600W): 86 x 86 x 40 mm

|          |                |
|----------|----------------|
| TRO-150W | FS-TRO150-2054 |
| TRO-600W | FS-TRO600-2055 |



# Accessory and controllers

## POTENTIOMETER EC

The controller is used to control EC motors using a 0-10 V control signal. A convenient knob is used for this purpose, allowing a fluent regulation of the fan speed.



**PEC-2444**

**Output voltage:** 0 - 10 V  
**Input voltage:** 10 V DC  
**Operating temperature range:** -15 - 55°C  
**Weight:** 0.11 kg  
**Dimensions:** 86 x 86 x 37 mm  
**Degree of protection:** IP 20

## PROGRAMMABLE CONTROLLER HMI WIFI

The controller is used to regulate a three-stage fan. It offers programmable, heating, cooling, ventilation modes, automatic selection of fan speed, integration with Wi-Fi, ON/OFF valve actuator control, built-in and external temperature sensor and LED display.



**PCHMI-WIFI-2301**

**Voltage/ Frequency:** 230 V AC / 50 - 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 45°C  
**Regulation range:** 5°C - 35°C  
**Regulation accuracy:** ± 0.5°C  
**Additional temperature sensor:** NTC 10K  
**Communication:** RS485  
**Dimensions:** 86 x 86 x 42 mm  
**Weight:** 270 g  
**Degree of protection (housing):** IP 20  
**Degree of protection (external sensor):** IP 68

## PROGRAMMABLE CONTROLLER HMI SINGLE BMS

The controller is used to regulate a single-speed fan. It offers programmable mode, heating, cooling, ventilation, integration with BMS (RS485), ON/OFF valve actuator control, built-in and external temperature sensor and LCD display. It has two operating modes - thermostatic and temperature difference.



**HMI-SIN-2021**

**Voltage/ Frequency:** 230 V AC / 50 - 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 45°C  
**Regulation range:** 5°C - 35°C  
**Regulation accuracy:** ± 0.5°C  
**Additional temperature sensor:** NTC 10K  
**Communication:** RS485  
**Dimensions:** 86 x 86 x 42 mm  
**Weight:** 270 g  
**Degree of protection (housing):** IP 20  
**Degree of protection (external sensor):** IP 68

## PROGRAMMABLE CONTROLLER HMI EC BMS

Controller is used to regulate devices equipped with EC motor fans. It offers programmable, heating, cooling, ventilation modes, automatic selection of fan stage, integration with BMS (RS485), ON/OFF valve actuator control, built-in and external temperature sensor and LCD display.



**HMIEC-1997**

**Voltage/ Frequency:** 230 V AC / 50 - 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 45°C  
**Regulation range:** 5°C - 35°C  
**Regulation accuracy:** ± 0.5°C  
**Additional temperature sensor:** NTC 10K  
**Communication:** RS485  
**Dimensions:** 86 x 86 x 42 mm  
**Weight:** 270 g  
**Degree of protection (housing):** IP 20  
**Degree of protection (external sensor):** IP 68

## CONTROLLER WITH THERMOSTAT HMI CURTAIN BMS

It allows you to control the air curtain, allowing it to work in a mode dependent on the position of the limit sensor or in relation to the set temperature, performing the function of heating the room. It offers heating, cooling, ventilation mode, integration with BMS (RS485), ON/OFF valve actuator control, built-in temperature sensor and LCD display.



**HMI-2003**

**Voltage/ Frequency:** 230 V AC / 50 - 60 Hz  
**Maximum current load:** 5 A  
**Operating temperature range:** 0 - 45°C  
**Regulation range:** 5°C - 35°C  
**Regulation accuracy:** ± 0.5°C  
**Additional sensor:** dry contact  
**Communication:** RS485  
**Dimensions:** 86 x 86 x 42 mm  
**Weight:** 270 g  
**Degree of protection (housing):** IP 20  
**Degree of protection (external sensor):** IP 68

## RELAY MODULE RM-16A



**RM16A-2343**

Allows to connect a receiver with higher current consumption than permissible current load of connected controller.

**Voltage/ Frequency:** 230V AC / 50 - 60 Hz  
**Maximum current load:** 16A  
**Inputs:** dry contact NO/COM, voltage SL  
**Output:** NO/COM/NC relay  
**Dimensions:** 47x47x20 mm

## CONTROL PANEL BASIC



in set with  
**INSPIRO BASIC**

The controller is responsible for ensuring optimal operation of BASIC series. It offers a programmable fan speed selection mode, filter contamination indication (after 1000 hours of operation), a manual bypass opening function, BMS integration and an LCD display.

## INTELLIGENT CONTROL PANEL SMART



in set with  
**INSPIRO**

The controller is responsible for ensuring optimal operation of INSPIRO series. It offers a programmable fan speed selection mode, filter contamination indication, humidity or CO<sub>2</sub> sensor mode, automatic bypass opening function, the ability to modify defrosting parameters, sensor control, filter alarm interval, integration with BMS and an LCD display.

## INTELLIGENT CONTROL PANEL VERTIC



**VERTIC-IP-2050**

The controller is responsible for ensuring optimal operation of VERTIC series recuperator. It offers a programmable mode for selecting the fan speed, filter contamination indication, humidity or CO<sub>2</sub> sensor mode, automatic bypass opening function, the possibility of modifying the definition of all device parameters and its accessories, displaying such parameters as current power consumption or heater power and a warm crystal LCD display.

## INTELLIGENT CONTROL PANEL PREMIUM



**INSPIRO-CON-1978**

The PREMIUM control panel has a liquid crystal LCD screen with touch buttons. It is designed to control recuperators from INSPIRO series. It offers a programmable fan speed selection mode, filter contamination indication, humidity or CO<sub>2</sub> sensor mode, automatic bypass opening function, the possibility of modifying defrosting, sensor control, filter alarm interval etc. and integration with BMS.

## TWO-WAY VALVE WITH ACTUATOR 3/4"



**VAHC-1524**

It is used to automatically regulate the flow of the heating medium.

**Voltage / Frequency:** 230 V AC / 50 - 60 Hz  
**Power consumption:** 2 VA  
**Kvs coefficient:** 6.3 m<sup>3</sup>/h  
**Stroke:** 3 mm  
**Operating condition of actuator:** -5°C - 60°C  
**Running time:** 3 - 5 min  
**Degree of protection:** IP 54

## THREE-WAY VALVE WITH ACTUATOR 3/4"



**VAHC3-1998**

It is used to automatically regulate the flow of the heating medium.

**Voltage / Frequency:** 230 V AC / 50 - 60 Hz  
**Power consumption:** 7 VA  
**Kvs coefficient:** 6.5 m<sup>3</sup>/h  
**Operating condition of actuator:** 0°C - 60°C  
**Running time (motor):** 18s  
**Running time (return spring):** 5s  
**Degree of protection:** IP 20

## MAINTENANCE ON/OFF SWITCH MS



It is used to quickly disconnect the device from the power supply when circumstances require it, in order to perform service work.

|      |                   |
|------|-------------------|
| 230V | <b>MS230-2419</b> |
| 400V | <b>MS400-2420</b> |

## MIXING CHAMBER MC



|            |                      |
|------------|----------------------|
| do HC20-45 | <b>MCHC2045-1782</b> |
| do HC50-80 | <b>MCHC5080-2016</b> |

The mixing chamber with the heater is a simple and cheap solution that fulfils the functions of heating and mechanical ventilation of facilities such as workshops, garages, production halls or warehouses. The device is adapted only for use inside the building.

## DIFFUSER 360



Thanks to its structure, it creates a vortex of the supplied air passing through the heater, and thanks to this, it mixes better with the air in the room.

## CONFUSOR



Increases the air outlet velocity from the heater and consequently its range.

## 1-STEP ELECTRIC DUCT HEATER



It allows the air that flows through it to be heated to a set temperature (in accordance with the flow direction). This is done thanks to the heater's control system, which compares the temperature measured by the sensor with the temperature set by the user.

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