

# **BREEZE**

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## Angled air cooler

AIR HEAT EXCHANGER MANUFACTURER



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# BREEZE

Angled air cooler



BREEZE is the angled air cooler for commercial refrigeration, in particular for small cold rooms.



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Angled air cooler

## FLUIDS AVAILABLE

SYNTHETIC REFRIGERANTS  
BRINE  
CO<sub>2</sub>

**- 10%**

**REFRIGERANT CHARGE  
COMPARED TO MARKET REFERENCE**

**18**

models

**54**

versions

**From 0,8 to 10 kW**

DT 8K Capacity

**Up to 2 kW/lt**

SC2 fin spacing 4,5 mm

**+ 8%**

increased thickness  
high-efficiency rippled tube

**+ 20%**

increased thickness  
high-efficiency louvered fins



## Performance



**kW/It and kW/W performance**  
at the top of the market.

## Solidity



**Increased thicknesses in the coil**  
without compromising  
on material quality.



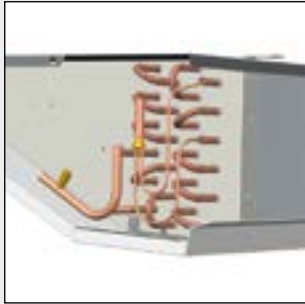
**Metal structure in pre-painted  
plate 15/10**  
for excellent solidity.



**Opening drain tray and inner  
drain tray**  
for great accessibility (315 mm).

# BREEZE

## Angled air cooler



### Wired fan unit

To optimize installation activities.



### Reliability

With increased thicknesses and aluminum endplates.



### Aluminum casing and drain connections

For high solidity.



### Machine easy to sanitise

Thanks to hinged casing.

## Accessories

- EC fan motors
- AISI 304 casing
- Cataphoresis coil treatment



## Range

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|                       |                |
|-----------------------|----------------|
| Machine height (slim) | 256 mm         |
| 3 fin spacing         | 3 - 4,5 - 7 mm |
| Fan size              | Ø 250 - 315 mm |
| DT 8K Capacity        | 0,8 ÷ 10 kW    |
| Number of fans        | 1 ÷ 3          |

|                    | Fan size<br>Ø mm | DT 8K Capacity<br>kW | 3 fin spacing<br>mm |
|--------------------|------------------|----------------------|---------------------|
| <b>BREEZE E 25</b> | 250              | 0,8 ÷ 4              | 3 - 4,5 - 7         |
| <b>BREEZE E 31</b> | 315              | 2,5 ÷ 10             | 3 - 4,5 - 7         |

# BREEZE E 25

Angled air cooler



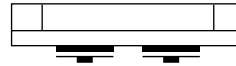
Ø 250 mm  
FAN SIZE

0,8 ÷ 4 kW  
DT 8K CAPACITY

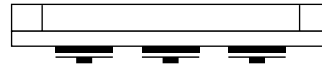
3 - 4,5 - 7 mm  
3 FIN SPACING



BREEZE E 25-1



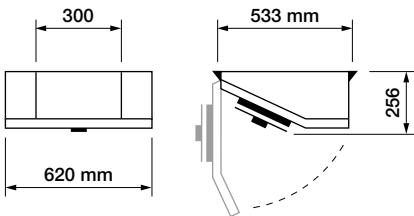
BREEZE E 25-2



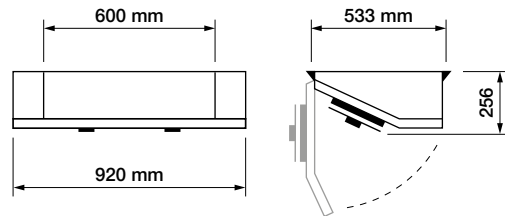
BREEZE E 25-3

## DIMENSIONS

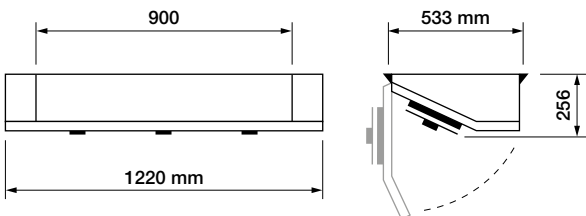
### BREEZE E 25-1



### BREEZE E 25-2



### BREEZE E 25-3



## SELECTION CODE

**BREEZE E 25 1 C 4,5 A 4S**

|               |  |
|---------------|--|
| <b>BREEZE</b> | angled air cooler  |
| <b>E</b>      | <b>E</b> = direct expansion   <b>C</b> = CO2 dx   <b>W</b> = brine   <b>P</b> = pumped |
| <b>25</b>     | fan size Ø 250 mm  |
| <b>1</b>      | number of fans   |
| <b>C</b>      | coil type  |
| <b>4,5</b>    | fin spacing mm   |

|           |  |
|-----------|--|
| <b>A</b>  | <b>A</b> = air defrost   <b>E</b> = electric defrost   <b>W</b> = water defrost                  |
| <b>4</b>  | electric motor poles   |
| <b>S</b>  | <b>S</b> = single phase   <b>D</b> = three phase high speed<br><b>Y</b> = three phase slow speed |
| <b>EC</b> | electronic motor if present  |



# BREEZE E 25

Angled air cooler



| FIN SPACING<br>3 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|-------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                               | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 25-1 C 3 A 4S        | 1,2      | -        | 5,9                       | 550                           | 38                              | 1x250                               | 1300             | 95         | 0,68         | 7,5            | 0,35                      | 0,5          | 27           | 12         | 16          |
| BREEZE E 25-2 C 3 A 4S        | 2,4      | -        | 11,8                      | 1100                          | 41                              | 2x250                               | 1300             | 190        | 1,36         | 8              | 0,7                       | 1,1          | 39           | 12         | 16          |
| BREEZE E 25-3 C 3 A 4S        | 3,7      | -        | 17,7                      | 1650                          | 42                              | 3x250                               | 1300             | 285        | 2,04         | 8              | 1,05                      | 1,6          | 51           | 12         | 16          |

| FIN SPACING<br>4,5 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|---------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                                 | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 25-1 C 4,5 A 4S        | 1        | 0,8      | 4                         | 600                           | 38                              | 1x250                               | 1300             | 95         | 0,68         | 8,5            | 0,35                      | 0,5          | 26           | 12         | 16          |
| BREEZE E 25-2 C 4,5 A 4S        | 2,1      | 1,6      | 8                         | 1200                          | 41                              | 2x250                               | 1300             | 190        | 1,36         | 9              | 0,7                       | 1,1          | 37           | 12         | 16          |
| BREEZE E 25-3 C 4,5 A 4S        | 3,2      | 2,4      | 12,1                      | 1800                          | 42                              | 3x250                               | 1300             | 285        | 2,04         | 9              | 1,05                      | 1,6          | 47           | 12         | 16          |

| FIN SPACING<br>7 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|-------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                               | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 25-1 C 7 A 4S        | 0,8      | 0,6      | 2,7                       | 650                           | 38                              | 1x250                               | 1300             | 95         | 0,68         | 9              | 0,35                      | 0,5          | 25           | 12         | 16          |
| BREEZE E 25-2 C 7 A 4S        | 1,7      | 1,3      | 5,3                       | 1300                          | 41                              | 2x250                               | 1300             | 190        | 1,36         | 9,5            | 0,7                       | 1,1          | 35           | 12         | 16          |
| BREEZE E 25-3 C 7 A 4S        | 2,5      | 2        | 8,1                       | 1950                          | 42                              | 3x250                               | 1300             | 285        | 2,04         | 9,5            | 1,05                      | 1,6          | 45           | 12         | 16          |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A  
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

# BREEZE E 31

Angled air cooler



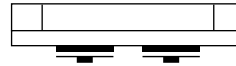
Ø 315 mm  
FAN SIZE

2,5 ÷ 10 kW  
DT 8K CAPACITY

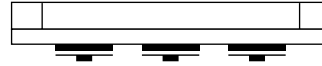
3 - 4,5 - 7 mm  
3 FIN SPACING



BREEZE E 31-1



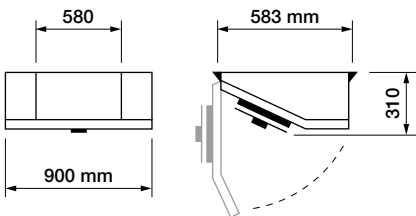
BREEZE E 31-2



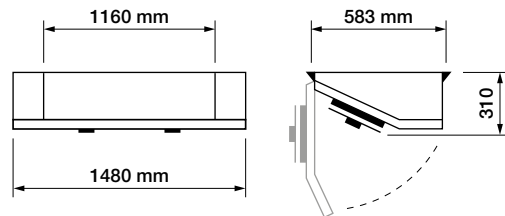
BREEZE E 31-3

## DIMENSIONS

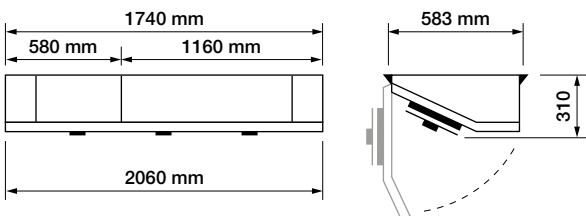
### BREEZE E 31-1



### BREEZE E 31-2



### BREEZE E 31-3



## SELECTION CODE

**BREEZE E 31 1 C 4,5 A 4S**

|               |  |
|---------------|--|
| <b>BREEZE</b> | angled air cooler  |
| <b>E</b>      | <b>E</b> = direct expansion   <b>C</b> = CO <sub>2</sub> dx   <b>W</b> = brine   <b>P</b> = pumped |
| <b>31</b>     | fan size Ø 315 mm  |
| <b>1</b>      | number of fans   |
| <b>C</b>      | coil type  |
| <b>4,5</b>    | fin spacing mm   |

|           |   |
|-----------|---|
| <b>A</b>  | <b>A</b> = air defrost   <b>E</b> = electric defrost   <b>W</b> = water defrost |
| <b>4</b>  | electric motor poles  |
| <b>S</b>  | <b>S</b> = single phase   <b>D</b> = three phase high speed                     |
| <b>Y</b>  | three phase slow speed  |
| <b>EC</b> | electronic motor if present   |

# BREEZE E 31

Angled air cooler



| FIN SPACING<br>3 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|-------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                               | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 31-1 C 3 A 4S        | 3,2      | -        | 11,4                      | 1650                          | 37                              | 1x315                               | 1350             | 110        | 0,52         | 12,5           | 0,75                      | 1            | 33           | 12         | 16          |
| BREEZE E 31-2 C 3 A 4S        | 6,6      | -        | 22,8                      | 3250                          | 40                              | 2x315                               | 1350             | 220        | 1,04         | 13,5           | 1,5                       | 2,1          | 49           | 12         | 16          |
| BREEZE E 31-3 C 3 A 4S        | 10,1     | -        | 34,2                      | 4900                          | 41                              | 3x315                               | 1350             | 330        | 1,56         | 13,5           | 2,25                      | 3,1          | 64           | 16         | 18          |

| FIN SPACING<br>4,5 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|---------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                                 | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 31-1 C 4,5 A 4S        | 2,8      | 2        | 7,8                       | 1750                          | 37                              | 1x315                               | 1350             | 110        | 0,52         | 14             | 0,75                      | 1            | 31           | 12         | 16          |
| BREEZE E 31-2 C 4,5 A 4S        | 5,7      | 4,1      | 15,6                      | 3500                          | 40                              | 2x315                               | 1350             | 220        | 1,04         | 15             | 1,5                       | 2,1          | 45           | 12         | 16          |
| BREEZE E 31-3 C 4,5 A 4S        | 8,7      | 6,3      | 23,4                      | 5250                          | 41                              | 3x315                               | 1350             | 330        | 1,56         | 15             | 2,25                      | 3,1          | 59           | 16         | 18          |

| FIN SPACING<br>7 mm / 4 poles | CAPACITY |          | SURFACE<br>m <sup>2</sup> | AIR FLOW<br>m <sup>3</sup> /h | SOUND<br>PRESSURE<br>dB(A) @ 5m | N° FANS<br>x DIAMETER<br>Nr. x Ø mm | FAN SPEED<br>Rpm | POWER<br>W | CURRENT<br>A | AIR THROW<br>m | DEFROSTING<br>POWER<br>kW | VOLUME<br>lt | WEIGHT<br>kg | Ø IN<br>mm | Ø OUT<br>mm |
|-------------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|--------------|--------------|------------|-------------|
|                               | SC2 - kW | SC3 - kW |                           |                               |                                 |                                     |                  |            |              |                |                           |              |              |            |             |
| BREEZE E 31-1 C 7 A 4S        | 2,2      | 1,7      | 5,2                       | 1850                          | 37                              | 1x315                               | 1350             | 110        | 0,52         | 14,5           | 0,75                      | 1            | 30           | 12         | 16          |
| BREEZE E 31-2 C 7 A 4S        | 4,5      | 3,5      | 10,4                      | 3700                          | 40                              | 2x315                               | 1350             | 220        | 1,04         | 15,5           | 1,5                       | 2,1          | 43           | 12         | 16          |
| BREEZE E 31-3 C 7 A 4S        | 6,8      | 5,3      | 15,6                      | 5550                          | 41                              | 3x315                               | 1350             | 330        | 1,56         | 15,5           | 2,25                      | 3,1          | 56           | 16         | 18          |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A  
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A



## CONFIGURATIONS

| RANGE     | MODELS | FANS  |      | POLES | FIN SPACING | AVAILABLE ON REQUEST |       |                 | DEFROST           |         |
|-----------|--------|-------|------|-------|-------------|----------------------|-------|-----------------|-------------------|---------|
|           | Nr.    | Nr.   | Ø mm |       | mm          |                      |       |                 | STANDARD ELECTRIC | HOT GAS |
| BREEZE 25 | 9      | 1 ÷ 3 | 250  | 4     | 3 - 4,5 - 7 | SYNTHETIC            | BRINE | CO <sub>2</sub> | ○                 | ○       |
| BREEZE 31 | 9      | 1 ÷ 3 | 315  | 4     | 3 - 4,5 - 7 |                      |       |                 | ○                 | ○       |

| RANGE     | ACCESSORIES  |                  |                        |                 |             |         |                 |
|-----------|--------------|------------------|------------------------|-----------------|-------------|---------|-----------------|
|           | DRAIN HEATER | PRE PAINTED FINS | COIL CATHODE TREATMENT | AISI 304 CASING | EASY ACCESS | EC FANS | ELECTRIC WIRING |
| BREEZE 25 | ○            | ○                | ○                      | ○               | ●           | ○       | ●               |
| BREEZE 31 | ○            | ○                | ○                      | ○               | ●           | ○       | ●               |

● Standard

○ Optional







**BREEZE E 25**  
**BREEZE E 31**



Angled air cooler