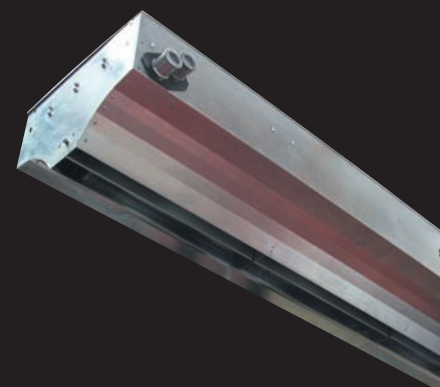




Air Curtains for  
Industrial Purposes ...

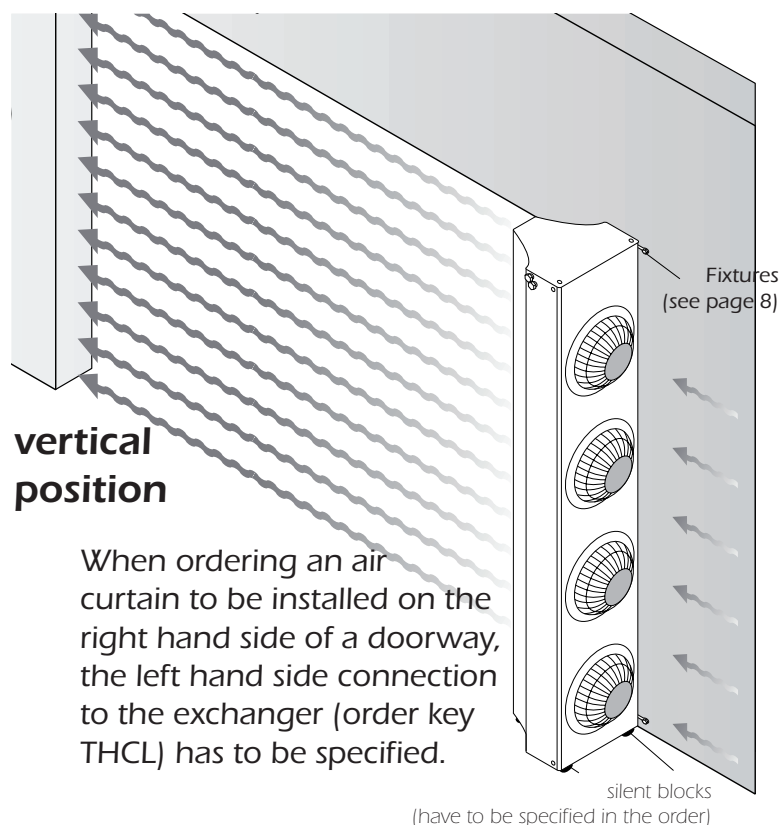
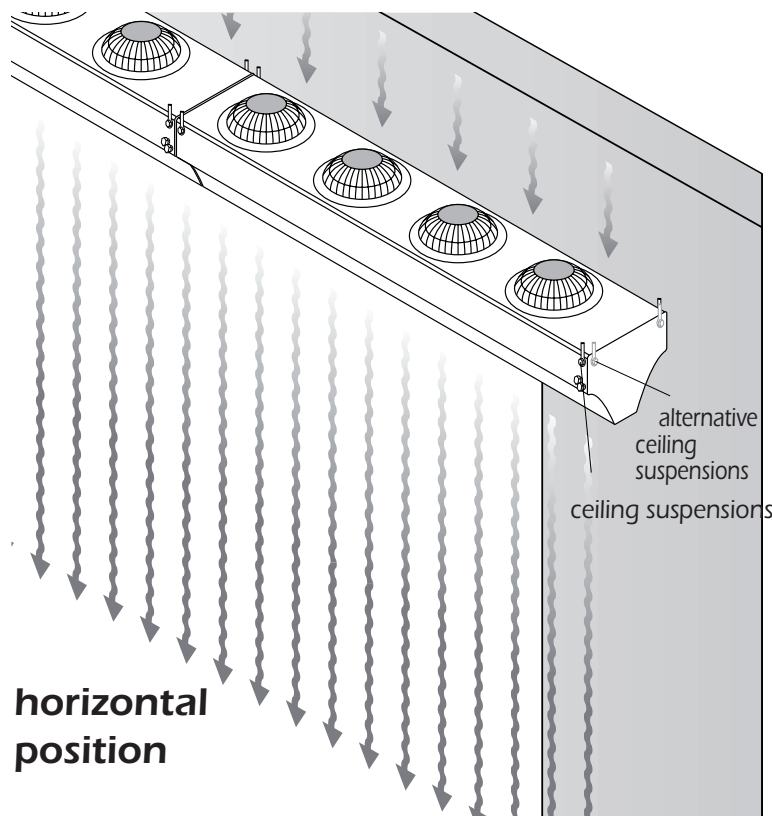
**Axi**

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



## Description

The Axi units are designed for use in industrial applications such as industrial buildings, warehouses and loading bays.



When ordering an air curtain to be installed on the right hand side of a doorway, the left hand side connection to the exchanger (order key THCL) has to be specified.

### **Unit mounting:**

vertical mounting  
horizontal mounting

### **Unit design:**

Axi air curtains are self-supporting robust units. They are available with a range of heating options, adjustable outlet grilles designed to obtain optimum performance, motors with standard controls and in-built thermo-contacts serving as motor-overload protection. They are easy to install and can be tailored to suit any application.

### **Heat exchangers**

Standard Axi units are designed to be heated by hot water. Heat capacity can be controlled by a thermostatic valve and capillary tube. Electric or steam heat exchangers and an ambient model are also available.

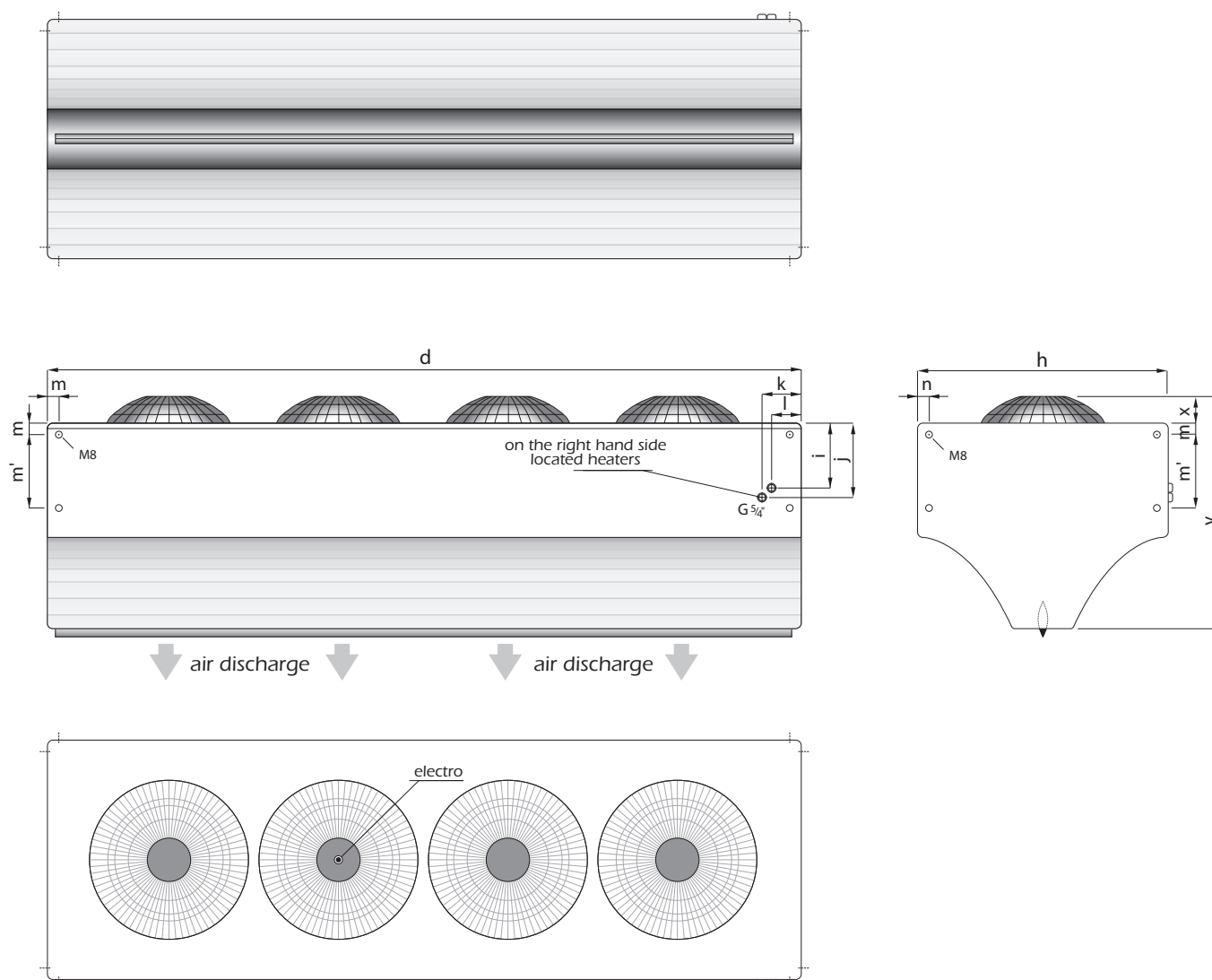
### **Regulation:**

The air volume can be controlled by speed regulator 0-3 grades or with a switch  $\Delta/Y$ , other control possibility via room thermostat, door contact, serial equipped controls for optional air curtain's chaining.

### **Suspensions:**

- Wall suspensions
- Ceiling suspensions
- Vertical hanger suspensions





## Specifications - Dimensions

| Dimensions           |      | TH(V)CP<br>181,182,183,184<br>187,188,189-AXI | TH(V)CP<br>211,212,213,214<br>217,218,219-AXI | TH(V)CP<br>261,262,263,264<br>267,268,269-AXI | TH(V)CP<br>311,312,313,314<br>317,318,319-AXI |
|----------------------|------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| <b>d</b>             | [mm] | 1800                                          | 2100                                          | 2600                                          | 3100                                          |
| <b>v</b>             | [mm] | 465                                           | 465                                           | 465                                           | 465                                           |
| <b>h</b>             | [mm] | 520                                           | 520                                           | 520                                           | 520                                           |
| <b>x</b>             | [mm] | 140                                           | 140                                           | 140                                           | 140                                           |
| <b>m - Fixtures</b>  | [mm] | 20                                            | 20                                            | 20                                            | 20                                            |
| <b>m' - Fixtures</b> | [mm] | 70                                            | 70                                            | 70                                            | 70                                            |
| <b>n - Fixtures</b>  | [mm] | 40                                            | 40                                            | 40                                            | 40                                            |
| <b>i - Heating</b>   | [mm] | 109                                           | 109                                           | 109                                           | 109                                           |
| <b>j - Heating</b>   | [mm] | 137                                           | 137                                           | 137                                           | 137                                           |
| <b>k - Heating</b>   | [mm] | 98                                            | 98                                            | 98                                            | 98                                            |
| <b>l - Heating</b>   | [mm] | 48                                            | 48                                            | 48                                            | 48                                            |

## Warm types specifications

| Dimensions                           | TH(V)CP-184-3-AXI |           | TH(V)CP-214-3-AXI |          | TH(V)CP-264-3-AXI |          | TH(V)CP-314-3-AXI |           |
|--------------------------------------|-------------------|-----------|-------------------|----------|-------------------|----------|-------------------|-----------|
| Warm types                           | 1                 | 2         | 1                 | 2        | 1                 | 2        | 1                 | 2         |
| Air output [m <sup>3</sup> /h]       | 9500              | 8500      | 11500             | 10500    | 14000             | 12500    | 17000             | 16000     |
| Heating capacity [kW]                | 40,4              | 52,6      | 35,6              | 64,4     | 45,2              | 77,2     | 55,6              | 97,8      |
| 80/60°C loss of pressure [kPa]       | 5,9               | 9,6       | 5,6               | 15,4     | 10,1              | 7,5      | 16,9              | 12,9      |
| volume flow rate [m <sup>3</sup> /h] | 1,7               | 2,3       | 1,5               | 2,8      | 1,9               | 3,3      | 2,4               | 4,2       |
| Heating capacity [kW]                | 22,8              | 29,8      | 19,5              | 36,8     | 25,2              | 43,3     | 31,5              | 55,6      |
| 60/40°C loss of pressure [kPa]       | 2,3               | 3,7       | 2                 | 6        | 3,8               | 2,8      | 6,5               | 5         |
| volume flow rate [m <sup>3</sup> /h] | 0,97              | 1,26      | 0,83              | 1,55     | 1,00              | 1,84     | 1,37              | 2,38      |
| Feeding / Power demand [V]/[kW]      | 230V/0,68         | 230V/0,68 | 230V/0,9          | 230V/0,9 | 230V/1,1          | 230V/1,1 | 230V/1,36         | 230V/1,36 |
| Rated current [A]                    | 6,6               | 6,6       | 8,8               | 8,8      | 11                | 11       | 13,2              | 13,2      |
| Acoustic pressure dB[A]**            | 72                | 72        | 73                | 73       | 73                | 73       | 74                | 74        |

| Dimensions                           | TH(V)CP-183-3-AXI |         | TH(V)CP-213-3-AXI |         | TH(V)CP-263-3-AXI |         | TH(V)CP-313-3-AXI |         |
|--------------------------------------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
| Warm types                           | 1                 | 2       | 1                 | 2       | 1                 | 2       | 1                 | 2       |
| Air output [m <sup>3</sup> /h]       | 7000              | 6000    | 9000              | 8000    | 10500             | 9800    | 13500             | 12000   |
| Heating capacity [kW]                | 34,5              | 43,4    | 31,6              | 55,5    | 39,2              | 67,5    | 49,6              | 83,5    |
| 80/60°C loss of pressure [kPa]       | 4,5               | 1,9     | 4,5               | 11,8    | 7,8               | 5,9     | 13,8              | 9,7     |
| volume flow rate [m <sup>3</sup> /h] | 1,5               | 1,9     | 1,4               | 2,4     | 1,7               | 2,9     | 2,1               | 3,6     |
| Heating capacity [kW]                | 19,2              | 24,7    | 17,3              | 31,8    | 22                | 38,1    | 28,1              | 47,7    |
| 60/40°C loss of pressure [kPa]       | 1,7               | 2,6     | 1,6               | 4,6     | 2,9               | 2,2     | 5,3               | 3,8     |
| volume flow rate [m <sup>3</sup> /h] | 0,8               | 1,1     | 0,8               | 1,4     | 0,9               | 1,6     | 1,2               | 2,1     |
| Feeding / Power demand [V]/[kW]      | 230/0,9           | 230/0,9 | 230/1,2           | 230/1,2 | 230/1,5           | 230/1,5 | 230/1,8           | 230/1,8 |
| Rated current [A]                    | 4,8A              | 4,8A    | 6,4A              | 6,4A    | 8,0A              | 8,0A    | 9,6A              | 9,6A    |
| Acoustic pressure dB[A]**            | 70                | 70      | 72                | 72      | 72                | 72      | 73                | 73      |

| Dimensions                           | TH(V)CP-182-3-AXI |         | TH(V)CP-212-3-AXI |         | TH(V)CP-262-3-AXI |         | TH(V)CP-312-3-AXI |         |
|--------------------------------------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
| Warm types                           | 1                 | 2       | 1                 | 2       | 1                 | 2       | 1                 | 2       |
| Air output [m <sup>3</sup> /h]       | 5700              | 5500    | 8000              | 7000    | 9000              | 8500    | 12500             | 11000   |
| Heating capacity [kW]                | 30,1              | 41,3    | 29,8              | 51,5    | 36,3              | 62,3    | 47,8              | 79,5    |
| 80/60°C loss of pressure [kPa]       | 3,7               | 6,2     | 4                 | 10,3    | 6,8               | 5,1     | 12,8              | 8,9     |
| volume flow rate [m <sup>3</sup> /h] | 1,3               | 1,8     | 1,3               | 2,2     | 1,6               | 2,7     | 2,1               | 3,4     |
| Heating capacity [kW]                | 17,6              | 23,6    | 16,4              | 29,6    | 20,4              | 35,3    | 27,1              | 45,5    |
| 60/40°C loss of pressure [kPa]       | 1,4               | 2,4     | 1,5               | 4,1     | 2,6               | 2       | 5                 | 3,5     |
| volume flow rate [m <sup>3</sup> /h] | 0,8               | 1       | 0,7               | 1,3     | 0,9               | 1,5     | 1,2               | 2       |
| Feeding / Power demand [V]/[kW]      | 230/0,6           | 230/0,6 | 230/0,9           | 230/0,9 | 230/1,2           | 230/1,2 | 230/1,5           | 230/1,5 |
| Rated current [A]                    | 3,2A              | 3,2A    | 4,8A              | 4,8A    | 6,4A              | 6,4A    | 8,0A              | 8,0A    |
| Acoustic pressure dB[A]**            | 67                | 68      | 67                | 69      | 69                | 69      | 71                | 70      |

| Dimensions                           | TH(V)CP-181-3-AXI |         | TH(V)CP-211-3-AXI |         | TH(V)CP-261-3-AXI |         | TH(V)CP-311-3-AXI |         |
|--------------------------------------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
| Warm types                           | 1                 | 2       | 1                 | 2       | 1                 | 2       | 1                 | 2       |
| Air output [m <sup>3</sup> /h]       | 5200              | 5000    | 6000              | 5500    | 8500              | 8000    | 10500             | 10000   |
| Heating capacity [kW]                | 29,5              | 39,1    | 25,8              | 44,8    | 35,3              | 60,2    | 43,7              | 75,3    |
| 80/60°C loss of pressure [kPa]       | 3,4               | 5,6     | 3,1               | 7,8     | 6,5               | 4,8     | 11                | 8,1     |
| volume flow rate [m <sup>3</sup> /h] | 1,3               | 1,7     | 1,1               | 1,9     | 1,5               | 2,6     | 1,9               | 3,2     |
| Heating capacity [kW]                | 16,8              | 22,35   | 14,2              | 25,9    | 19,8              | 34,1    | 24,9              | 43,2    |
| 60/40°C loss of pressure [kPa]       | 1,3               | 2,2     | 1,1               | 3,2     | 2,5               | 1,8     | 4,2               | 3,2     |
| volume flow rate [m <sup>3</sup> /h] | 0,7               | 1       | 0,6               | 1,1     | 0,9               | 1,5     | 1,1               | 1,9     |
| Feeding / Power demand [V]/[kW]      | 230/0,6           | 230/0,6 | 230/0,6           | 230/0,6 | 230/0,9           | 230/0,9 | 230/1,2           | 230/1,2 |
| Rated current [A]                    | 3,2A              | 3,2A    | 3,2A              | 3,2A    | 4,8A              | 4,8A    | 6,4A              | 6,4A    |
| Acoustic pressure dB[A]**            | 64                | 64      | 64                | 64      | 68                | 68      | 69                | 69      |

## Specifications for cold types

| Dimensions                                      | SH(V)CP-184-3-AXI |  | SH(V)CP-214-3-AXI |  | SH(V)CP-264-3-AXI |  | SH(V)CP-314-3-AXI |  |
|-------------------------------------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Air output [m <sup>3</sup> /h]                  | 12000             |  | 15500             |  | 17000             |  | 21000             |  |
| Feeding/Power demand/Rated current [V]/[kW]/[A] | 230V/0,68kW/6,6A  |  | 230V/0,9kW/8,8A   |  | 230V/1,13kW/11A   |  | 230V/1,36kW/13,2A |  |
| Acoustic pressure dB[A]**                       | 72                |  | 73                |  | 73                |  | 74                |  |

| Dimensions                                      | SH(V)CP-183-3-AXI |  | SH(V)CP-213-3-AXI |  | SH(V)CP-263-3-AXI |  | SH(V)CP-313-3-AXI |  |
|-------------------------------------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Air output [m <sup>3</sup> /h]                  | 9000              |  | 11500             |  | 13500             |  | 16000             |  |
| Feeding/Power demand/Rated current [V]/[kW]/[A] | 230V/0,9kW/4,8A   |  | 230V/1,2kW/6,4A   |  | 230V/1,5kW/8,0A   |  | 230V/1,8kW/9,6A   |  |
| Acoustic pressure dB[A]**                       | 69                |  | 71                |  | 72                |  | 73                |  |

| Dimensions                                      | SH(V)CP-182-3-AXI |  | SH(V)CP-212-3-AXI |  | SH(V)CP-262-3-AXI |  | SH(V)CP-312-3-AXI |  |
|-------------------------------------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Air output [m <sup>3</sup> /h]                  | 7500              |  | 9500              |  | 12500             |  | 14000             |  |
| Feeding/Power demand/Rated current [V]/[kW]/[A] | 230V/0,6kW/3,2A   |  | 230V/0,9kW/4,8A   |  | 230V/1,2kW/6,4A   |  | 230V/1,5kW/8,0A   |  |
| Acoustic pressure dB[A]**                       | 63                |  | 65                |  | 69                |  | 70                |  |

| Dimensions                                      | SH(V)CP-181-3-AXI |  | SH(V)CP-211-3-AXI |  | SH(V)CP-261-3-AXI |  | SH(V)CP-311-3-AXI |  |
|-------------------------------------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
| Air output [m <sup>3</sup> /h]                  | 7000              |  | 8000              |  | 11000             |  | 13000             |  |
| Feeding/Power demand/Rated current [V]/[kW]/[A] | 230V/0,6kW/3,2A   |  | 230V/0,6kW/3,2A   |  | 230V/0,9kW/4,8A   |  | 230V/1,2kW/6,4A   |  |
| Acoustic pressure dB[A]**                       | 63                |  | 64                |  | 68                |  | 69                |  |

\*\* acoustic pressure at 5m distance from the unit

## Warm types specifications

| Dimensions                           | TH(V)CP-189-3-AXI |               | TH(V)CP-219-3-AXI |               | TH(V)CP-269-3-AXI |             | TH(V)CP-319-3-AXI |             |
|--------------------------------------|-------------------|---------------|-------------------|---------------|-------------------|-------------|-------------------|-------------|
| Warm types                           | 1                 | 2             | 1                 | 2             | 1                 | 2           | 1                 | 2           |
| Air output [m <sup>3</sup> /h]       | 9500              | 8500          | 11500             | 10500         | 14000             | 12500       | 17000             | 16000       |
| Heating capacity [kW]                | 40,4              | 52,6          | 35,6              | 64,4          | 45,2              | 77,2        | 55,6              | 97,8        |
| 80/60°C loss of pressure [kPa]       | 5,9               | 9,6           | 5,6               | 15,4          | 10,1              | 7,5         | 16,9              | 12,9        |
| volume flow rate [m <sup>3</sup> /h] | 1,7               | 2,3           | 1,5               | 2,8           | 1,9               | 3,3         | 2,4               | 4,2         |
| Heating capacity [kW]                | 22,8              | 29,8          | 19,5              | 36,8          | 25,2              | 43,3        | 31,5              | 55,6        |
| 60/40°C loss of pressure [kPa]       | 2,3               | 3,7           | 2                 | 6             | 3,8               | 2,8         | 6,5               | 5           |
| volume flow rate [m <sup>3</sup> /h] | 1                 | 1,3           | 0,8               | 1,6           | 1,1               | 1,9         | 1,4               | 2,4         |
| Feeding / Power demand [V]-[Δ/Y kW]  | 400-1,98/1,17     | 400-1,98/1,17 | 400-2,64/1,56     | 400-2,64/1,56 | 400-3,3/2,0       | 400-3,3/2,0 | 400-4,0/2,4       | 400-4,0/2,4 |
| Rated current [Δ/Y A]                | 5,1/2,7A          | 5,1/2,7A      | 6,8/3,6A          | 6,8/3,6A      | 8,5/4,5A          | 8,5/4,5A    | 10,2/5,4A         | 10,2/5,4A   |
| Acoustic pressure dB[A]**            | 72                | 72            | 73                | 73            | 73                | 73          | 74                | 74          |

| Dimensions                           | TH(V)CP-188-3-AXI |               | TH(V)CP-218-3-AXI |               | TH(V)CP-268-3-AXI |              | TH(V)CP-318-3-AXI |               |
|--------------------------------------|-------------------|---------------|-------------------|---------------|-------------------|--------------|-------------------|---------------|
| Warm types                           | 1                 | 2             | 1                 | 2             | 1                 | 2            | 1                 | 2             |
| Air output [m <sup>3</sup> /h]       | 7000              | 6000          | 9000              | 8000          | 10500             | 9800         | 13500             | 12000         |
| Heating capacity [kW]                | 34,5              | 43,4          | 31,6              | 55,5          | 39,2              | 67,5         | 13,8              | 83,5          |
| 80/60°C loss of pressure [kPa]       | 4,5               | 1,9           | 4,5               | 11,8          | 7,8               | 5,9          | 13,8              | 9,7           |
| volume flow rate [m <sup>3</sup> /h] | 1,5               | 1,9           | 1,4               | 2,4           | 1,7               | 2,9          | 2,1               | 3,6           |
| Heating capacity [kW]                | 19,6              | 24,7          | 17,3              | 31,8          | 22                | 38,1         | 28,1              | 47,7          |
| 60/40°C loss of pressure [kPa]       | 1,7               | 2,6           | 1,6               | 4,6           | 2,9               | 2,2          | 5,3               | 3,8           |
| volume flow rate [m <sup>3</sup> /h] | 0,8               | 1,1           | 0,8               | 1,4           | 0,9               | 1,6          | 1,2               | 2,1           |
| Feeding / Power demand [V]-[Δ/Y kW]  | 400-0,99/0,72     | 400-0,99/0,72 | 400-1,32/0,96     | 400-1,32/0,96 | 400-1,65/1,2      | 400-1,65/1,2 | 400-1,98/1,44     | 400-1,98/1,44 |
| Rated current [Δ/Y A]                | 2,4/1,4A          | 2,4/1,4A      | 3,2/1,8A          | 3,2/1,8A      | 4,0/2,3A          | 4,0/2,3A     | 4,8/2,7A          | 4,8/2,7A      |
| Acoustic pressure dB[A]**            | 70                | 70            | 72                | 72            | 72                | 72           | 73                | 73            |

| Dimensions                           | TH(V)CP-187-3-AXI |               | TH(V)CP-217-3-AXI |               | TH(V)CP-267-3-AXI |               | TH(V)CP-317-3-AXI |              |
|--------------------------------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|--------------|
| Warm types                           | 1                 | 2             | 1                 | 2             | 1                 | 2             | 1                 | 2            |
| Air output [m <sup>3</sup> /h]       | 5700              | 5500          | 8000              | 7000          | 9000              | 8500          | 12500             | 11000        |
| Heating capacity [kW]                | 30,1              | 41,3          | 29,8              | 51,5          | 36,6              | 62,3          | 47,8              | 79,5         |
| 80/60°C loss of pressure [kPa]       | 3,7               | 6,2           | 4                 | 10,3          | 6,8               | 5,1           | 12,8              | 8,9          |
| volume flow rate [m <sup>3</sup> /h] | 1,3               | 1,8           | 1,3               | 2,2           | 1,6               | 2,7           | 2,1               | 3,4          |
| Heating capacity [kW]                | 17,6              | 23,6          | 16,4              | 29,6          | 20,4              | 35,3          | 27,1              | 45,5         |
| 60/40°C loss of pressure [kPa]       | 1,4               | 2,4           | 1,5               | 4,1           | 2,6               | 2             | 5                 | 3,5          |
| volume flow rate [m <sup>3</sup> /h] | 0,8               | 1             | 0,7               | 1,3           | 0,9               | 1,5           | 1,2               | 2            |
| Feeding / Power demand [V]-[Δ/Y kW]  | 400-0,66/0,48     | 400-0,66/0,48 | 400-0,99/0,72     | 400-0,99/0,72 | 400-1,32/0,96     | 400-1,32/0,96 | 400-1,65/1,2      | 400-1,65/1,2 |
| Rated current [Δ/Y A]                | 1,6/0,9A          | 1,6/0,9A      | 2,4/1,4A          | 2,4/1,4A      | 3,2/1,8A          | 3,2/1,8A      | 4,0/2,3A          | 4,0/2,3A     |
| Acoustic pressure dB[A]**            | 67                | 68            | 67                | 69            | 69                | 69            | 71                | 70           |

## Specifications for cold types

| Dimensions                                              | SH(V)CP-189-3-AXI         |  | SH(V)CP-219-3-AXI         |  | SH(V)CP-269-3-AXI       |  | SH(V)CP-319-3-AXI        |  |
|---------------------------------------------------------|---------------------------|--|---------------------------|--|-------------------------|--|--------------------------|--|
| Air output [m <sup>3</sup> /h]                          | 12000                     |  | 15500                     |  | 17000                   |  | 21000                    |  |
| Feeding/Power demand/Rated current [V]-[Δ/Y kW]-[Δ/Y A] | 400V-1,98/1,17kW-5,1/2,7A |  | 400V-2,64/1,56kW-6,8/3,6A |  | 400V-3,3/2,0kW-8,5/4,5A |  | 400V-4,0/2,4kW-10,2/5,4A |  |
| Acoustic pressure dB[A]**                               | 72                        |  | 73                        |  | 73                      |  | 74                       |  |

| Dimensions                                              | SH(V)CP-188-3-AXI         |  | SH(V)CP-218-3-AXI         |  | SH(V)CP-268-3-AXI        |  | SH(V)CP-318-3-AXI         |  |
|---------------------------------------------------------|---------------------------|--|---------------------------|--|--------------------------|--|---------------------------|--|
| Air output [m <sup>3</sup> /h]                          | 9000                      |  | 11500                     |  | 13500                    |  | 16000                     |  |
| Feeding/Power demand/Rated current [V]-[Δ/Y kW]-[Δ/Y A] | 400V-0,99/0,72kW-2,4/1,4A |  | 400V-1,32/0,96kW-3,2/1,8A |  | 400V-1,65/1,2kW-4,0/2,3A |  | 400V-1,98/1,44kW-4,8/2,7A |  |
| Acoustic pressure dB[A]**                               | 69                        |  | 71                        |  | 72                       |  | 73                        |  |

| Dimensions                                              | SH(V)CP-187-3-AXI         |  | SH(V)CP-217-3-AXI         |  | SH(V)CP-267-3-AXI         |  | SH(V)CP-317-3-AXI        |  |
|---------------------------------------------------------|---------------------------|--|---------------------------|--|---------------------------|--|--------------------------|--|
| Air output [m <sup>3</sup> /h]                          | 7500                      |  | 9500                      |  | 12500                     |  | 14000                    |  |
| Feeding/Power demand/Rated current [V]-[Δ/Y kW]-[Δ/Y A] | 400V-0,66/0,48kW-1,6/0,9A |  | 400V-0,99/0,72kW-2,4/1,4A |  | 400V-1,32/0,96kW-3,2/1,8A |  | 400V-1,65/1,2kW-4,0/2,3A |  |
| Acoustic pressure dB[A]**                               | 63                        |  | 65                        |  | 69                        |  | 70                       |  |

## Electro control

| Type of control                    | O5   | O7   | OT4  | OT8  | OT10 | OT15 | ROJ light 14-10 | ROJ light 30-10 | RT4  | RT8  | RT10 | RT15 | ROJ 14-20 | ROJ 30-20 | ROT4      | ROT10 | ROT15 |
|------------------------------------|------|------|------|------|------|------|-----------------|-----------------|------|------|------|------|-----------|-----------|-----------|-------|-------|
| Unit version                       | 230V | 230V | 400V | 400V | 400V | 400V | 230V            | 230V            | 400V | 400V | 400V | 400V | 230V      | 230V      | 400V      | 400V  | 400V  |
| For max. air curtains current      | 5 A  | 7 A  | 4 A  | 8 A  | 10 A | 15 A | 14 A            | 30 A            | 4 A  | 8 A  | 10 A | 15 A | 14 A      | 30 A      | 4 A       | 10 A  | 15 A  |
| Door contact                       | —    | —    | —    | —    | —    | —    | ✓               | ✓               | ✓    | ✓    | ✓    | ✓    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Fan time delay                     | —    | —    | —    | —    | —    | —    | ✓               | ✓               | ✓    | ✓    | ✓    | ✓    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Door contact blocation             | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Room thermostat*                   | —    | —    | ✓    | ✓    | ✓    | ✓    | ✓               | ✓               | ✓    | ✓    | ✓    | ✓    | ✓         | ✓         | ✓         | ✓     | ✓     |
| External control                   | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | LS-AX-03  |           | LS-AXT-02 |       |       |
| Anti-freeze thermostat*            | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Electrothermic valve+pump control* | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Automatic running                  | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | ✓         | ✓         | ✓         | ✓     | ✓     |
| Control chaining                   | —    | —    | —    | —    | —    | —    | —               | —               | —    | —    | —    | —    | ✓         | ✓         | ✓         | ✓     | ✓     |

\* the switchboard is prepared to be controlled by these elements as standard – these elements are not part of the delivery – need to be specified in the order

## Warm types specifications

### Controller O5, O7, OT4, OT8, OT10,

#### OT15

Speed control without external or door contact.

Supply voltage: 230V, 50/60Hz  
Degree of protection: IP 22



OT4

O5

**Version 230V** O5, O7 - voltage regulator 0-1-2-3-4-5  
Dimensions O5 (w\*h\*d) - 105\*200\*105  
Dimensions O7 (w\*h\*d) - 105\*200\*105

**Version 400V** OT4, OT8, OT10, OT15 - switch  $\Delta/Y$  0-1-2  
Dimensions OT4, 8 (w\*h\*d) - 150\*280\*110  
Dimensions OT10, OT15 (w\*h\*d) - 150\*280\*110

### Switchboard ROJ light 14-10, 30-10, RT4, RT8, RT10,

#### RT15

Switchboard for speed regulation with control possibility via door contact or thermostat.

Supply voltage: 230V, 50/60Hz  
Degree of protection: IP 22



ROJ light 14(30)-10

**Version 230V** ROJ light 14-10, 30-10 - regulator 0-1-2-3  
Dimensions 14-10 (w\*h\*d) - 180\*320\*135  
Dimensions 30-10 (w\*h\*d) - 220\*350\*175

**Version 400V** RT4, RT8, RT10, RT15 - switch  $\Delta/Y$  0-1-2  
Dimensions RT4, 8 (w\*h\*d) - 150\*280\*110  
Dimensions RT10 (w\*h\*d) - 150\*280\*110  
Dimensions RT15 (w\*h\*d) - 150\*280\*110

### Switchboard ROJ 14-20, 30-20, ROT 4, 10, 15

Switchboard for speed regulation with control possibility via door contact and thermostat and other chaining possibilities

Supply voltage: 230V, 50/60Hz (400V)  
Degree of protection: IP 22

LS-AX-03  
LS-AXT-02



ROJ 14(30)-20

#### Version 230V

ROJ 14-20, 30-20 regulator 0-1-2-3  
Dimensions 14-20 (w\*h\*d) - 400\*500\*200  
Dimensions 30-20 (w\*h\*d) - 400\*600\*200

#### Version 400V

Degree of protection: IP 44

ROT 4, 10, 15 - switch  $\Delta/Y$  0-1-2  
Dimensions ROT 4 (w\*h\*d) - 300\*400\*150  
Dimensions ROT 10 (w\*h\*d) - 300\*400\*150  
Dimensions ROT 15 (w\*h\*d) - 300\*400\*150

Dimensions of external control

Version 230V

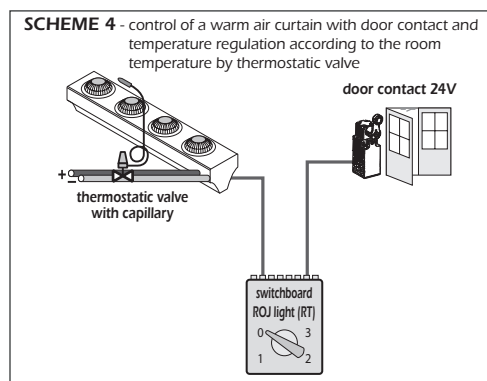
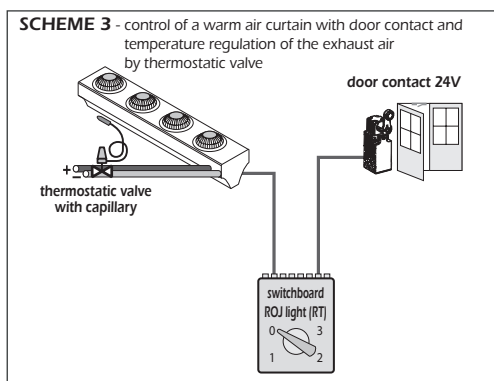
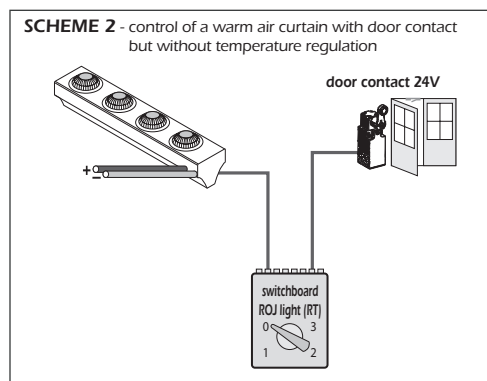
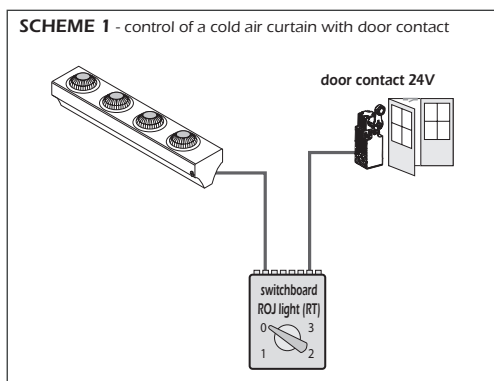
LS-AX-03 (w\*h\*d) - 180\*94\*81 mm

Version 400V

LS-AXT-02 (w\*h\*d) - 180\*94\*81 mm

**When specifying a switchboard do not exceed the maximum current of all the air curtains that will be connected to the switchboard!!!**  
**!ATTENTION - individual wiring diagrams will be delivered with the unit - ATTENTION!**

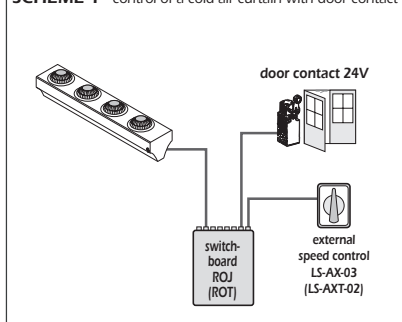
### Connection possibilities for the ROJ light switchboards:\*



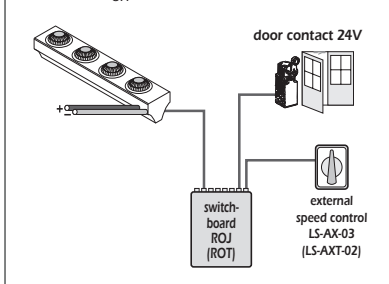
\* for 230V, for 400V RT

## Connection possibilities for the ROJ switchboards:\*

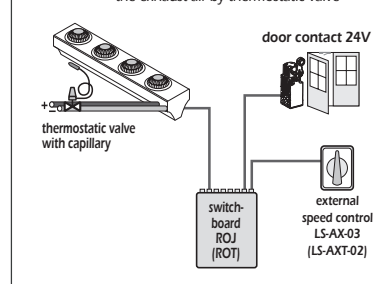
**SCHEME 1** - control of a cold air curtain with door contact



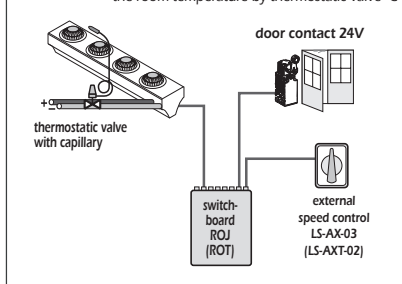
**SCHEME 2** - control of a warm air curtain with door contact but without temperature regulation



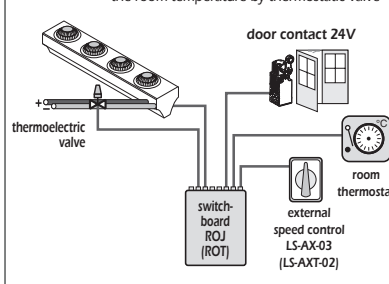
**SCHEME 3** - control of a warm air curtain with door contact and temperature regulation of the exhaust air by thermostatic valve



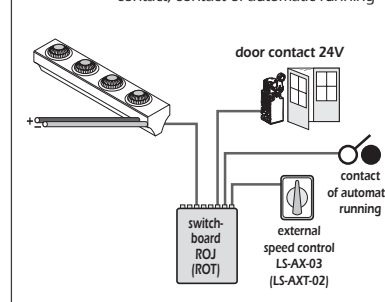
**SCHEME 4** - control of a warm air curtain with door contact and temperature regulation according to the room temperature by thermostatic valve °C



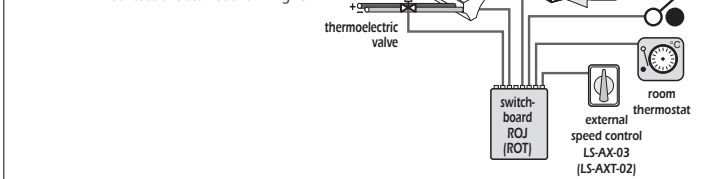
**SCHEME 5** - control of a warm air curtain with door contact and temperature regulation according to the room temperature by thermostatic valve



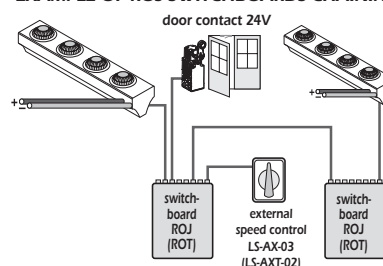
**SCHEME 6** - control of a warm air curtain with door contact, contact of automatic running



**SCHEME 7** - control of a warm air curtain with door contact and temperature regulation according to the room temperature by thermoelectric valve, contact of automatic running °C



**EXAMPLE OF ROJ SWITCHBOARDS CHAINING**



\* for 230V, for 400V ROT

### Accessories:

(TP1, TP2)

**ROOM THERMOSTAT TP1:** range: 5-35°C; IP 30; 230V/3A/AC-15

**ROOM THERMOSTAT TP2**

**[with switch summer/winter]:** range: 5-35°C; IP 30; 230V/3A/AC-15



(DKM)

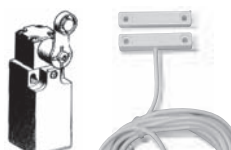
**MECHANICAL DOOR**

**CONTACT:** mechanical pinned contact; IP65; 230V/3A/AC-15

(DKMG)

**MAGNETIC DOOR CONTACT:**

magnetic contact; loading 24V/0, 25A/AC-15



**CONTACT OF AUTOMATIC**

**RUNNING:** serially it is inbuilt in the switchboard, but it is used only if there is requested, that the air curtain will be working with the closed door (by door contact) on the 1. fan speed. On this input in the switchboard can be used any element (room thermostat, press button, etc.).



### THERMOSTATIC VALVE

**WITH CAPILLARY:** For water heated units only. To provide exhaust or room temperature regulation. Range 20-50°C; connection 1"; 5/4" - technical parameters of the valve are available upon request.

### THERMOELECTRIC

**VALVE:** For water heated units only. To provide room temperature regulation operated by room thermostat with inbuilt output for pump regulation from the switchboard. Connection - technical parameters of the valve are available on request



(PTT)

**ANTI-FROST 1**



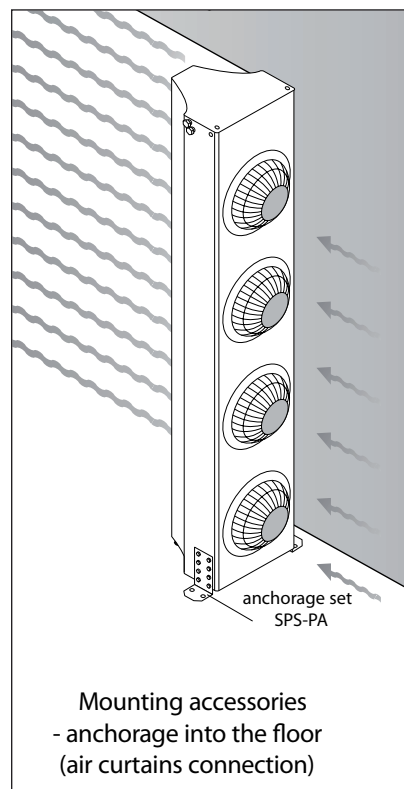
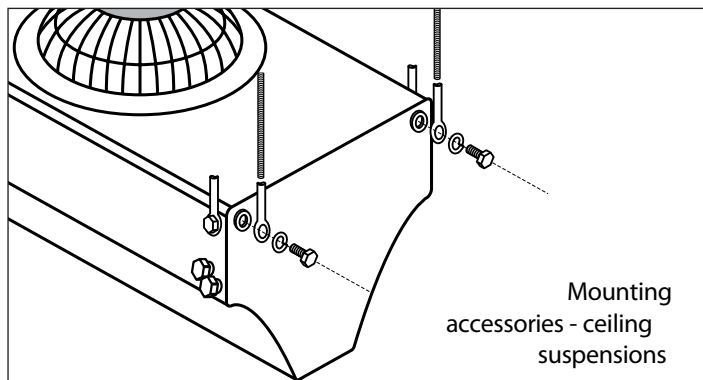
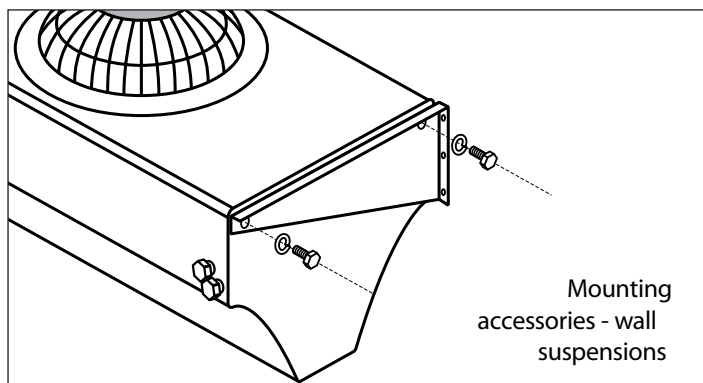
**PTT:** Range: 5-25°C; IP 44

When an anti frost thermostat detects freezing conditions the air curtains fans are switched off and the electrotermic valve is opened.

**EXTERNAL DIGITAL CLOCK:** Input for 230V/3A/AC-15, provides remote control of the unit



ble connection pipes - 2 pcs for max. temperature 110°C, standard length 300mm; 1" or 5/4"

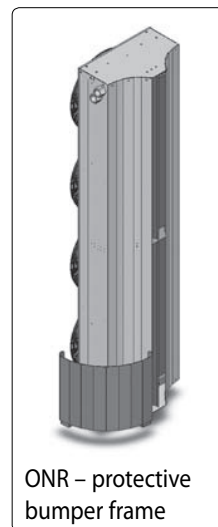


Here is the clue how to make the order:

**T - HC - P - 213 - 3 - AXI**

| Typ                                                                                                                                   | curtain location | heater design                                                                                                                           | curtain length, power stage |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| VC - vertical air curtain<br>HC - horizontal air curtain                                                                              |                  | P - heat exchanger right hand side location (viewed from the room)<br>L - heat exchanger left hand side location (viewed from the room) |                             |
| S - cold air type<br>T - hot air type (hot water heater)<br>(other heater types may also be supplied - steam, gas or electric heater) |                  |                                                                                                                                         |                             |

|                                               |
|-----------------------------------------------|
| 189 - capacity grade 4; 400V • length 1800 mm |
| 188 - capacity grade 3; 400V • length 1800 mm |
| 187 - capacity grade 2; 400V • length 1800 mm |
| 184 - capacity grade 4; 230V • length 1800 mm |
| 183 - capacity grade 3; 230V • length 1800 mm |
| 182 - capacity grade 2; 230V • length 1800 mm |
| 181 - capacity grade 1; 230V • length 1800 mm |
| 219 - capacity grade 4; 400V • length 2100 mm |
| 218 - capacity grade 3; 400V • length 2100 mm |
| 217 - capacity grade 2; 400V • length 2100 mm |
| 214 - capacity grade 4; 230V • length 2100 mm |
| 213 - capacity grade 3; 230V • length 2100 mm |
| 212 - capacity grade 2; 230V • length 2100 mm |
| 211 - capacity grade 1; 230V • length 2100 mm |
| 269 - capacity grade 4; 400V • length 2600 mm |
| 268 - capacity grade 3; 400V • length 2600 mm |
| 267 - capacity grade 2; 400V • length 2600 mm |
| 264 - capacity grade 4; 230V • length 2600 mm |
| 263 - capacity grade 3; 230V • length 2600 mm |
| 262 - capacity grade 2; 230V • length 2600 mm |
| 261 - capacity grade 1; 230V • length 2600 mm |
| 319 - capacity grade 4; 400V • length 3100 mm |
| 318 - capacity grade 3; 400V • length 3100 mm |
| 317 - capacity grade 2; 400V • length 3100 mm |
| 314 - capacity grade 4; 230V • length 3100 mm |
| 313 - capacity grade 3; 230V • length 3100 mm |
| 312 - capacity grade 2; 230V • length 3100 mm |
| 311 - capacity grade 1; 230V • length 3100 mm |



## Accessories:

- Ceiling suspensions
- Wall suspensions
- Thermostatic valve with capillary tube
- Door contact

## Additional non-standard accessories:

- Anti-freeze thermostat
- Heat exchanger design - secondary gas unit
- Anti-corrosion design

Representative: