



Friguvent

The efficient air curtain for demanding use in cooling and deep-freeze zones.

| Performance category | Friguvent 1 | | | | | Friguvent 2 | | | | | Friguvent 3 | | | | | |
|------------------------------------|-------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|-------|-------|-----|
| | 100 | 150 | 200 | 250 | 300 | 100 | 150 | 200 | 250 | 300 | 100 | 150 | 200 | 250 | 300 | |
| Performance data | | | | | | | | | | | | | | | | |
| Length of the unit | | | | | | | | | | | | | | | | |
| Max. nominal flow rate [m³/h] | 2100 | 3150 | 4200 | 5250 | 6300 | 2100 | 4200 | 5250 | 6300 | 7450 | 3800 | 5800 | 8500 | 11600 | 14500 | |
| Max. effective flow rate* [m³/h] | 1500 | 2400 | 3200 | 4000 | 4800 | 1600 | 3050 | 3800 | 4550 | 5300 | 2700 | 4300 | 6500 | 8600 | 11000 | |
| Average air discharge speed* [m/s] | 14,2 | | | | | 15,6 | | | | | 19,3 | | | | | |
| Weights | | | | | | | | | | | | | | | | |
| | [kg] | 25 | 35 | 45 | 55 | 70 | 30 | 40 | 50 | 60 | 75 | 40 | 65 | 85 | 105 | 125 |
| Electrical data 230 V | | | | | | | | | | | | | | | | |
| AC technology | | | | | | | | | | | | | | | | |
| Output [kW] | 0,46 | 0,69 | 0,92 | 1,15 | 1,38 | 0,46 | 0,92 | 1,15 | 1,38 | 1,61 | 0,86 | 1,12 | 1,69 | 2,25 | 2,81 | |
| Power consumption [A] | 2,00 | 3,00 | 4,00 | 5,00 | 6,00 | 2,00 | 4,00 | 5,00 | 6,00 | 7,00 | 3,76 | 4,88 | 7,33 | 9,77 | 12,21 | |
| Unit measurements | | | | | | | | | | | | | | | | |
| Width [mm] | 1000 | 1500 | 2000 | 2500 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | |
| Depth [mm] | 455 | 455 | 455 | 455 | 455 | 455 | 455 | 455 | 455 | 455 | 725 | 725 | 725 | 725 | 725 | |
| Height [mm] | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 435 | 435 | 435 | 435 | 435 | |

* Data are based on measurements in accordance with ISO 27327 conducted by the Institute of Air Handling and Refrigeration (ILK) in Dresden



Installation with air roll rotating outwards

Installation in front of the freezer room for a high screening effect (chiller temp. < 0° C). The intake of parts of cold air from the freezer room creates a mixed temperature that reduces the risk of cooling below the dew point.



Installation with air roll rotating inwards

Installation in front of the chiller room where the area is frequented by customers (chiller room temp. > 0° C) or in front of the freezer room to prevent icing on the freezer room ceiling (chiller room temp. significantly < 0° C). At the entrances to chilled sales areas, this form of installation prevents the loss of cold air while at the same time offering a convenient solution for customers. Very little energy is required to prevent warm air entering freezer rooms, and this significantly reduces icing in the ceiling area.



Installation with air roll rotating inwards

Installation in the chiller room for a high screening effect (chiller temp. > 0° C). The air discharge is directed slightly against the cold air, effectively preventing condensation on the ceiling and the loss of cold air.

The fig. shows the Friguvent Series of units by way of example

