



Technical features



Maximum range
M : 3,5 m ECM : 3,8 m
G : 4,5 m ECG : 5 m



Airflow / Length
5400 - 14400 m³/h
1,5 m to 3 m



Fans
Centrifugal
5-speed



Chamber temperature
>0°C to -25°C



Protection grade
Air curtain IP20 [*]
Fans IP44 []**



Control
Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Control)



Casing
Galvanised steel /
Stainless Steel (optional)



Grille type
Circular perforated



Outlet vanes
Aluminium, airfoil type
Adjustable 0-15° each side

RAL 9016
standard



Stainless
steel



Aqua Aero coating
on request



Other colors
on request



[*] Optional M or G IP55 air curtain.

[**] Optional IP55 fans.

TWIN KPL air curtain system has been designed to offer a versatile solution to any type of cold room: refrigerators (over 0°C) and freezers (0°C up to -25°C).

Highly efficient climatic separation against thermal losses caused by the large temperature difference with 2 jets and recirculation technology.

The system consists of two air curtains facing each other vertically with the jets reversed. This double jet works as a closed circuit creating a separation zone at the door entrance. Thanks to this double air barrier, is the best alternative to the TRIOJET SYSTEM when space is limited.

It requires a ceiling to cover 100% of the opening with the 2 jets (not included, must be provided by others).

On option heating could be implemented to improve ice reduction on the floor and humidity control.

We recommend Aqua Aero coating (15.000 hours salt spray test) or stainless steel to improve the protection against corrosion.

With double-inlet centrifugal low noise fans driven by an external rotor motor.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control. Optional: intelligent Clever PRO Control (automatic, programmable, modbus for PLC, timer, etc).



❄ UNHEATED

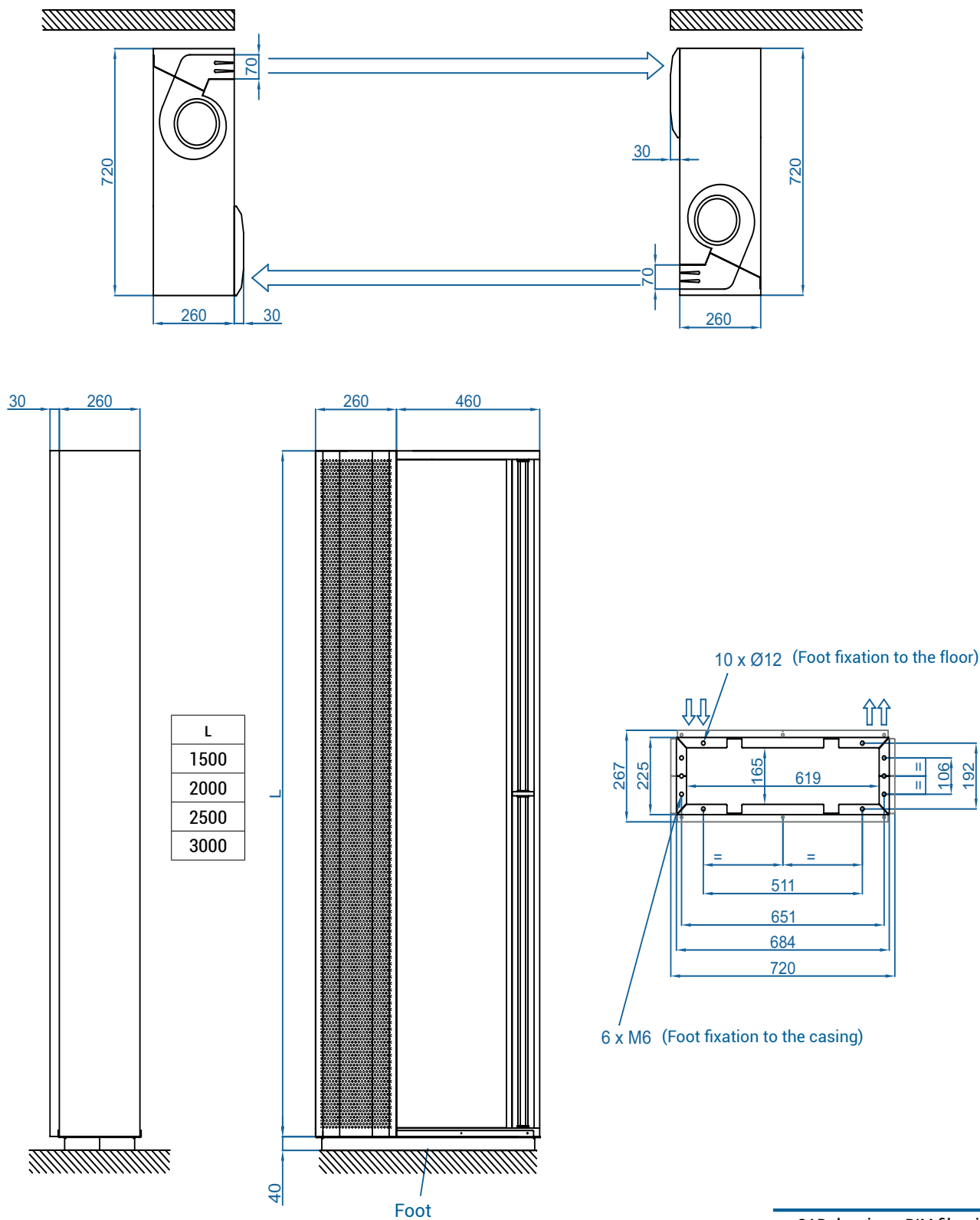
| Model | Airflow 230V | | Ventilation power 230V | | Ventilation current 230V | | Noise Level (5 m) | Weight |
|---------------------|-----------------|-------|---------------------------|-------|-----------------------------|-------|----------------------|--------|
| | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | | |
| | m³/h | m³/h | kW | kW | A | A | | |
| TWIN KPL M 1500 A | 5400 | 5800 | 0,636 | 0,744 | 2,82 | 3,30 | 59 | 64 |
| TWIN KPL M 2000 A | 7200 | 7680 | 0,848 | 0,992 | 3,76 | 4,40 | 60 | 80 |
| TWIN KPL M 2500 A | 9000 | 9700 | 1,060 | 1,240 | 4,70 | 5,50 | 61 | 88 |
| TWIN KPL M 3000 A | 10800 | 11640 | 1,272 | 1,488 | 5,64 | 6,60 | 62 | 102 |
| TWIN KPL ECM 1500 A | 5520 | 5520 | 0,426 | 0,426 | 3,72 | 3,72 | 60 | 64 |
| TWIN KPL ECM 2000 A | 7360 | 7360 | 0,568 | 0,568 | 4,96 | 4,96 | 61 | 80 |
| TWIN KPL ECM 2500 A | 9200 | 9200 | 0,710 | 0,710 | 6,20 | 6,20 | 62 | 88 |
| TWIN KPL ECM 3000 A | 11040 | 11040 | 0,852 | 0,852 | 7,44 | 7,44 | 63 | 102 |
| TWIN KPL G 1500 A | 6400 | 6400 | 1,712 | 0,992 | 7,60 | 4,40 | 61 | 69 |
| TWIN KPL G 2000 A | 9600 | 9600 | 2,568 | 1,488 | 11,40 | 6,60 | 62 | 90 |
| TWIN KPL G 2500 A | 11200 | 11200 | 2,996 | 1,736 | 13,30 | 7,70 | 63 | 98 |
| TWIN KPL G 3000 A | 12800 | 12800 | 3,424 | 1,984 | 15,20 | 8,80 | 64 | 112 |
| TWIN KPL ECG 1500 A | 7200 | 7200 | 0,568 | 0,568 | 4,96 | 4,96 | 65 | 69 |
| TWIN KPL ECG 2000 A | 10800 | 10800 | 0,852 | 0,852 | 7,44 | 7,44 | 66 | 90 |
| TWIN KPL ECG 2500 A | 12600 | 12600 | 0,994 | 0,994 | 8,68 | 8,68 | 67 | 98 |
| TWIN KPL ECG 3000 A | 14400 | 14400 | 1,136 | 1,136 | 11,92 | 11,92 | 68 | 112 |



Selection program



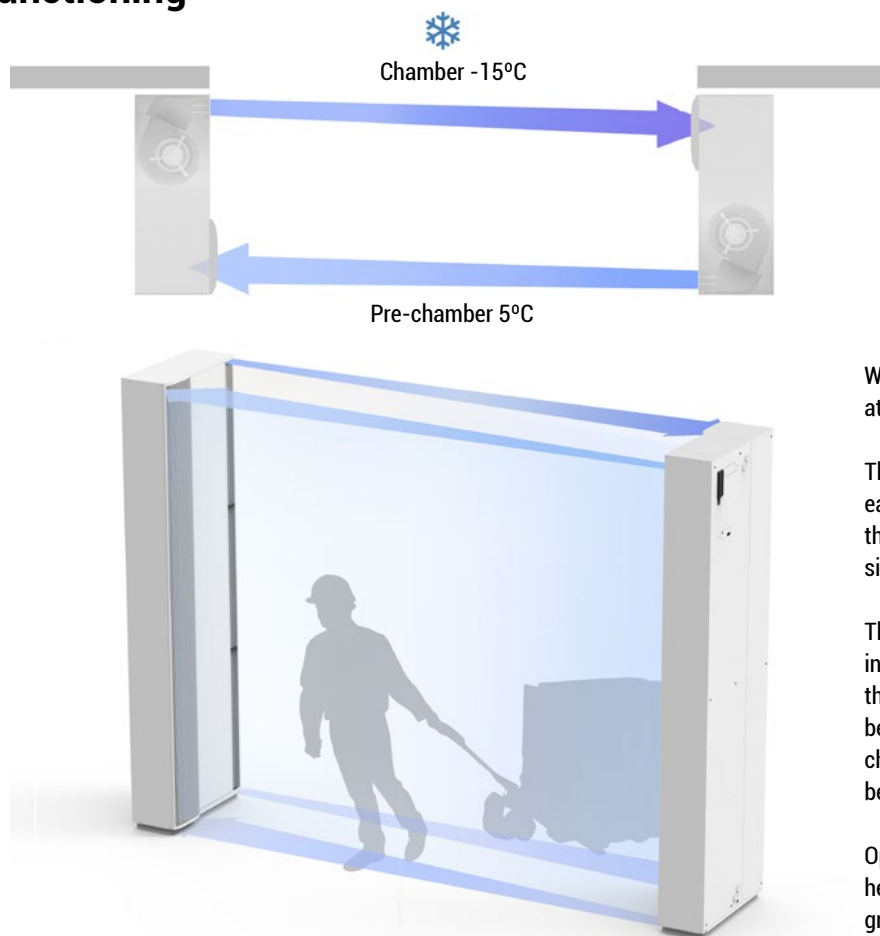
Dimensions



CAD drawings, BIM files, installation manuals and other documentation



Functioning



We consider a chamber at -15°C and a pre-chamber at 5°C (thermal leap 20°C).

The TWIN KPL SYSTEM with two air curtains facing each other, creates a separation zone in the door that acts as a very efficient barrier against adverse situations.

This separation zone is created by self-recirculation in such a way that both air curtains suck the jet from the other curtain. This separation area is maintained between the temperature of the chamber and the pre-chamber thus reducing the temperature exchange between both sides.

Optionally, depending on the installation, electrical heating can be used to help removing ice from the ground and reduce humidity.

Optional accessories

Supports and installation



Foot support
SPF-MG
(Galv. / SS)



Joining kit
SPJ-MG
(Galv. / SS)

Control



ADVANCED PRO
✓ Included



IR Control
✓ Included



RJ11 Cable
✓ Included



CLEVER PRO

Sensors



Mechanical door contact
MEC-DC



External Temperature
Sensor (Clever Control)