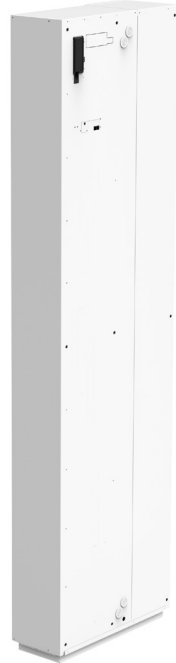




Technical features



Range (door width)
Up to 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 manual regulator
+ 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.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).



❄️ UNHEATED

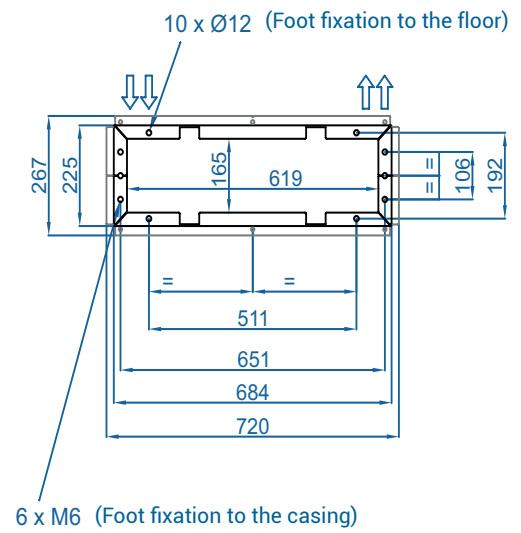
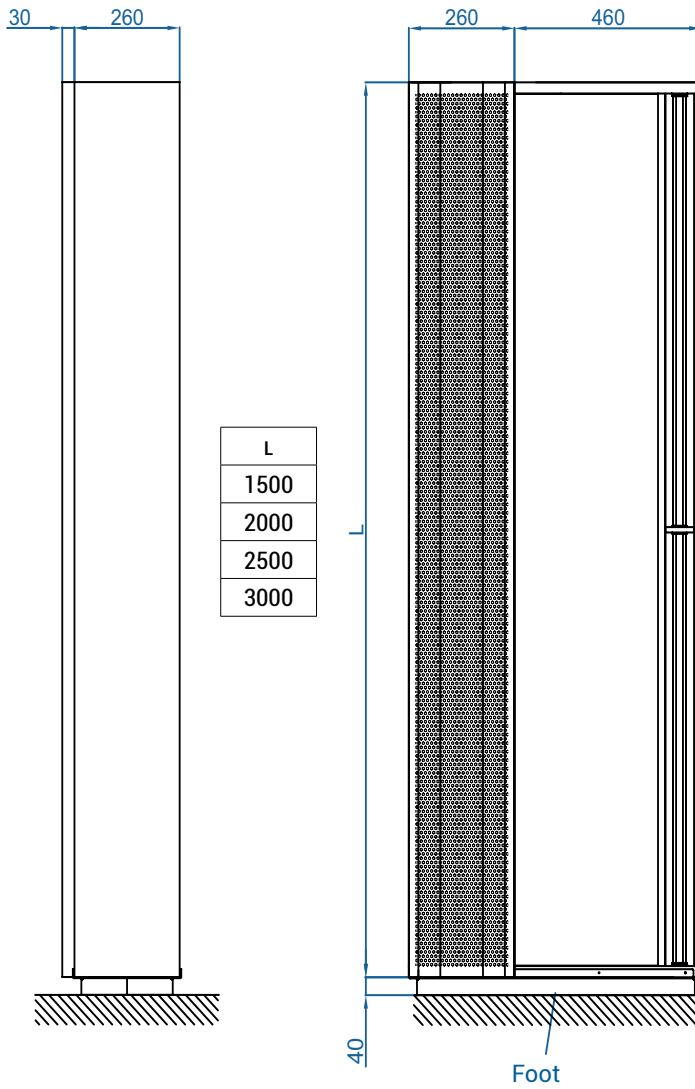
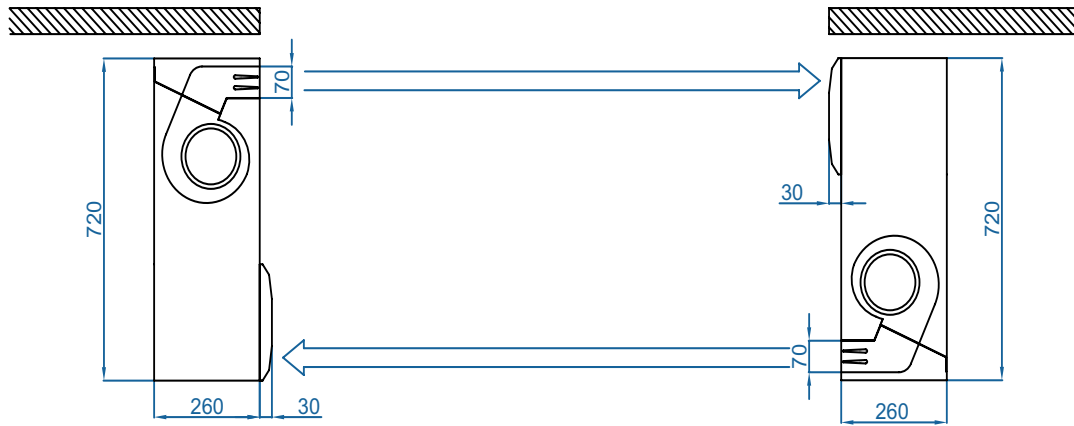
Model	Airflow 230V		Ventilation power 230V		Ventilation current 230V		Noise Level (5 m) dBA	Weight kg
	50Hz m ³ /h	60Hz m ³ /h	50Hz kW	60Hz kW	50Hz A	60Hz A		
TWIN KPL M 1500 A	5400	5800	0,636	0,744	2,82	3,30	59	64
TWIN KPL M 2000 A	7200	7680	0,848	0,992	3,76	4,40	60	80
TWIN KPL M 2500 A	9000	9700	1,060	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

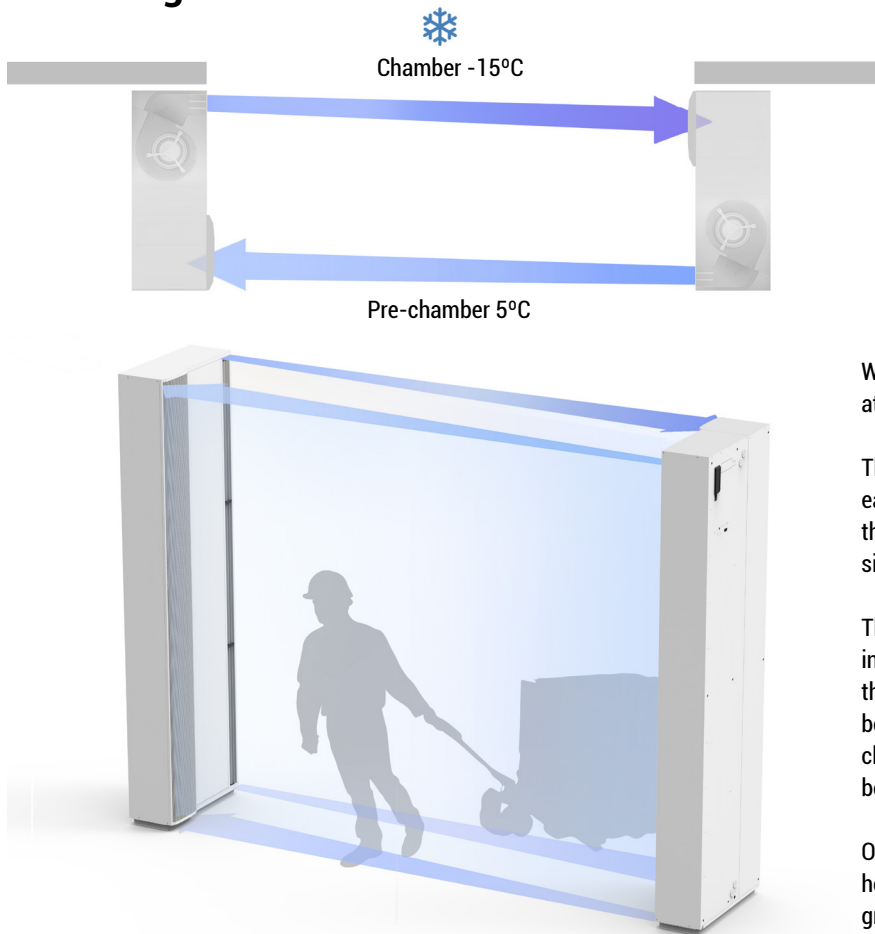


CAD drawings, BIM files, installation manuals and other documentation





Functioning



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

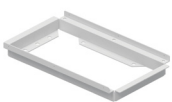
The TWIN KPL SYSTEM with two air curtains facing each other, creates a separation zone in the door that acts as a very efficient barrier against adverse situations.

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.

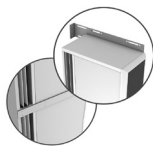
Optionally, depending on the installation, electrical heating can be used to help removing ice from the ground and reduce humidity.

Optional accessories

Supports and installation



Foot support
SPF-MG
(Galv. / SS)



Joining kit
SPJ-MG
(Galv. / SS)

Control



IR Control
✓ Included



Basic Control CA-5AW-IR
✓ Included



Hand-Auto
CH-5AW-NE



Clever Control Kit



Interface kit
IN-NE-II



RJ45 Cable
✓ Included

Sensors



Mechanical door contact
MEC-DC



External Temperature
Sensor (Clever Control)