

door intarblock

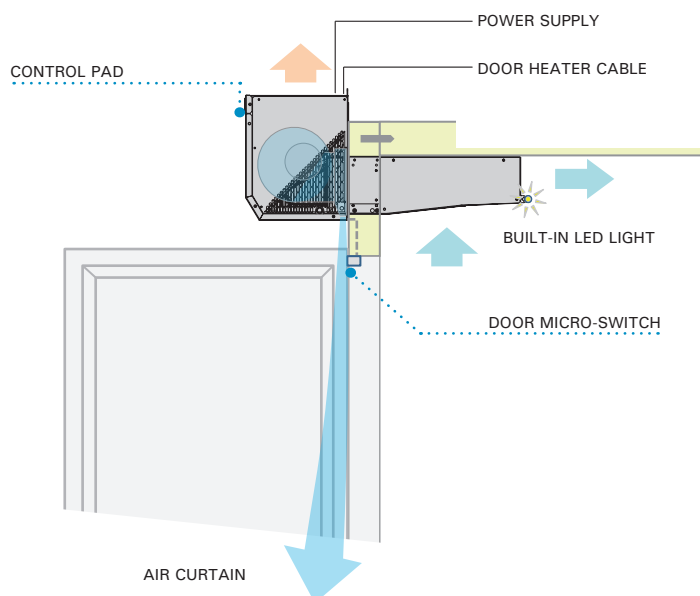


Commercial monoblock for refrigeration and freezing cold rooms, for assembly in the door panel of the cold room with optional R-290 refrigerant and air curtain built-in on the unit.

Features

- ▶ 230V 50Hz power supply. Available in 60Hz. Others voltages by request.
- ▶ R-290 refrigerant load, below 0.1 kg.
- ▶ R-134a or R-449A refrigerant load, below 1 kg.
- ▶ Hermetic reciprocating compressor.
- ▶ High pressure switch.
- ▶ Low pressure switch (CP-ND series).
- ▶ Thermostatic expansion valve.
- ▶ MCB protection.
- ▶ Hot gas defrost.
- ▶ Stainless steel drain pan.
- ▶ Evaporation of condensed water.
- ▶ Cold room LED light and door micro-switch.
- ▶ Door heater cable (only for BCP series).
- ▶ Multifunction electronic control.

Installation scheme with air curtain (optional)



- ❄ Natural refrigerant **R-290** with high energy efficiency.
- ❄ Optimal use of space in mini cold rooms.
- ❄ Tropicalised design for ambient temperature up to 45 °C.
- ❄ Air curtain (optional).
- ❄ Units exempt from leak checks.

Installation



Air curtain (optional)

Door monoblock can incorporate an air curtain built-in into the unit, especially dimensioned for doors of 1 800 mm high and up to 800 mm. It has an adjustable speed centrifugal fan, door switch and linear diffuser.

Air curtain creates an invisible barrier to prevent the loss of cold inside the cold room, which is activated during the opening of the door, and prevents the entry of hot air and the loss of cold air, with an efficiency greater than 50 %.

- Centrifugal fan.
- Longitudinal air diffuser.
- Automatic activation with door opening.

Electronic control

XW60LH electronic control, as standard on our commercial propane and door monoblock units, is an advanced small size controller, which includes the following functions:



- Temperature control with maximum and minimum temperature recording.
- Quick cooling function "Jet Cool".
- Night operation mode.
- Energy saving.
- 4 output relays for: compressor, fan, defrost and light.
- 3 temperature NTC probes for cold room, defrost and condensation.

Built-in cold room LED light

High efficiency cold room LED light, built-in in the unit that is automatically activated when the cold room door is opened.

230V 50Hz | Positive temperature | R-290

Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature ⁽¹⁾						Input power (kW)	Max. current (A)	Evap. air flow (m³/h)	Refrigerant load (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)	
	HP	Power supply	0 °C		5 °C		10 °C									
			W	m³	W	m³	W	m³								
R-290	MCP-ND-0 009	1/3	230V	700	6	810	8	945	13	0.34	3.1	275	< 0.1	61	29	
	MCP-ND-1 012	1/2	230V	1 065	9	1 235	15	1 430	27	0.52	4.3	550	< 0.1	67	29	
	MCP-ND-1 017	3/4	230V	1 325	14	1 530	20	1 765	35	0.72	4.5	550	< 0.1	67	31	

230V 50Hz | Negative temperature | R-290

Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature ⁽¹⁾						Input power (kW)	Max. current (A)	Evap. air flow (m³/h)	Refrigerant load (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)
	HP	Power supply	-25 °C		-20 °C		-15 °C								
			W	m³	W	m³	W	m³							
R-290	BCP-ND-0 014	3/4	230V	420	1	500	2.5	590	5	0.30	3.3	275	< 0.1	62	29
	BCP-ND-1 017	3/4	230V	575	2	695	6	825	9	0.34	4.3	550	< 0.1	67	29
	BCP-ND-1 028	1 1/4	230V	750	4	905	9	1 070	15	0.64	6.0	550	< 0.1	74	31

230V 50Hz | Positive temperature | R-134a

Series / Model		Compressor		Cooling capacity / Cold room volume according to cold room temperature ⁽¹⁾						Input power (kW)	Max. current (A)	Evap. air flow (m³/h)	Refrigerant load (kg) ⁽³⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)	Price with air curtain (€)
		HP	Power supply	0 °C		5 °C		10 °C									
		W	m³	W	m³	W	m³										
R-134a	MCP-NY-0 010	3/8	230V	580	4	695	7	820	12	0.47	4.6	300	< 1.0	61	29		
	MCP-NY-0 015	1/2	230V	760	7	890	10	1 030	15	0.61	5.6	300	< 1.0	66	32		
	MCP-NY-1 015	1/2	230V	880	8	1 055	12	1 250	21	0.68	5.8	600	< 1.0	72	32		
	MCP-NY-1 026	3/4	230V	1 180	11	1 435	18	1 710	28	0.91	9.5	600	< 1.0	79	30		
	MCP-NY-1 033	1	230V	1 490	17	1 760	26	2 070	40	1.03	9.7	600	< 1.0	83	33		

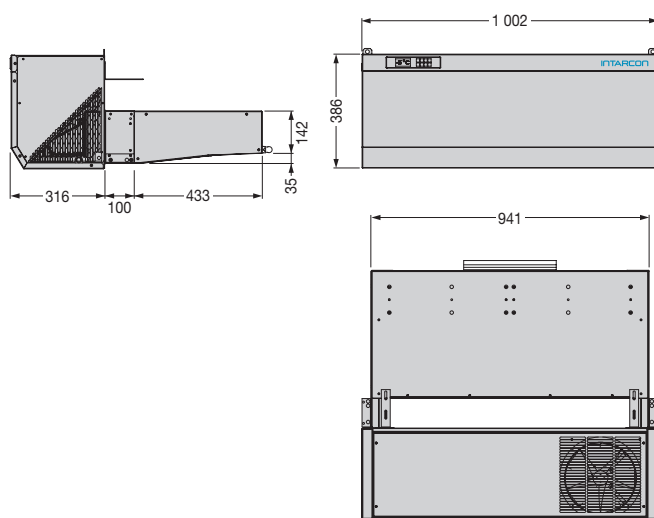
230V 50Hz | Negative temperature | R-449A

Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature ⁽¹⁾						Input power (kW)	Max. current (A)	Evap. air flow (m³/h)	Refrigerant load (kg) ⁽³⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)	Price with air curtain (€)	
	HP	Power supply	-25 °C		-20 °C		-15 °C										
			W	m³	W	m³	W	m³									
R-449A	BCP-NG-0 018	5/8	230V	390	1	490	2	585	3	0,67	7,2	300	< 1.0	67	31		
	BCP-NG-1 026	3/4	230V	640	3	810	7	960	10	1,00	8,6	600	< 1.0	74	31		
	BCP-NG-1 034	1 1/4	230V	790	4	950	10	1 120	12	1,27	11,1	600	< 1.0	80	33		

Options

- Evaporator coil epoxy anti-corrosion treatment.

Dimensions



Measuring mm.

⁽¹⁾ Nominal performances refer to operation with cold room temperatures of 0 °C (PT) and -20 °C (NT) ambient temperature of 35 °C. Estimated cold room volume according to conditions of the calculation bases (page 8).

⁽²⁾ A3 refrigerant charge less than 0.5 kg, units exempt from the International Electrotechnical Committee (IEC 60335).

⁽³⁾ Units with refrigerant load less than 5 tons of CO₂ equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.

⁽⁴⁾ Sound pressure in dB (A) in open field at 10 m from the unit.

Mounting frame

