

intarblock PRO



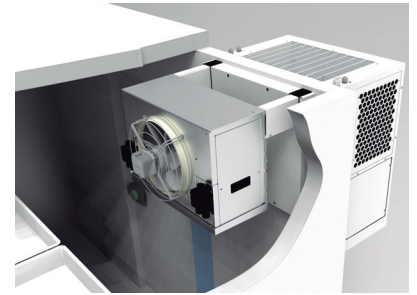
New range of R-290 self-contained slim monoblock designed by and for technicians. For small and medium refrigeration and conservation cold rooms. Units for wall-mount installation.

FEATURES

R-290 refrigerant load.	<input checked="" type="checkbox"/>
Refrigeration circuit independent per compressor.	<input checked="" type="checkbox"/>
Hermetic reciprocating compressors mounted on rails to reduce vibrations.	<input checked="" type="checkbox"/>
Condensing coil in microchannel with polyester paint treatment.	<input checked="" type="checkbox"/>
AC evaporator fans, and EC condenser fans.	<input checked="" type="checkbox"/>
High pressure switch.	<input checked="" type="checkbox"/>
Removable stainless steel drain pan for cleaning and stainless steel coil.	<input checked="" type="checkbox"/>
Washable suction screen filtering mesh.	<input checked="" type="checkbox"/>
Drainage resistance in self-regulating LT models.	<input checked="" type="checkbox"/>
Wall-mount installation 80-150 mm.	<input checked="" type="checkbox"/>
Access to electrical panel with hinged register.	<input checked="" type="checkbox"/>
Hot gas defrosting.	<input checked="" type="checkbox"/>
Thermostatic expansion valve.	<input checked="" type="checkbox"/>
Aluminum plates covered with film for protection during transport in evaporator.	<input checked="" type="checkbox"/>
Multifunction electronic regulation.	<input checked="" type="checkbox"/>
Cold room LED light.	<input checked="" type="checkbox"/>
EC radial fan with vertical impulsion.	<input type="checkbox"/>
Bi-temperature adaption.	<input type="checkbox"/>
Condensation by water. Input range +5 °C / +50 °C.	<input type="checkbox"/>
Condensation by water in the range -10 °C / +5 °C (only in LT models).	<input type="checkbox"/>
Water solenoid valve for installation outside the unit.	<input type="checkbox"/>
Unit adaptation for outdoor installation.	<input type="checkbox"/>
Halogen-free supply connection (5m).	<input type="checkbox"/>
Male and female schuko electrical connector base.	<input type="checkbox"/>
Low voltage protection single-phase models.	<input type="checkbox"/>
Low voltage and phase sequence protection three-phase models.	<input type="checkbox"/>
Change to 230V 50 Hz power supply in three-phase models.	<input type="checkbox"/>
Drain resistance (for room temperature < 0 °C in PT models).	<input type="checkbox"/>

As standard Optional

Installation scheme



Aluminium cubic evaporator

Aluminium provides better heat transfer than other materials and optimum low temperature operation.

Cubic type evaporators have a greater air range than ceiling type evaporators.

Electronic control

intarblock PRO units incorporate as standard the advanced XM670K electronic control.



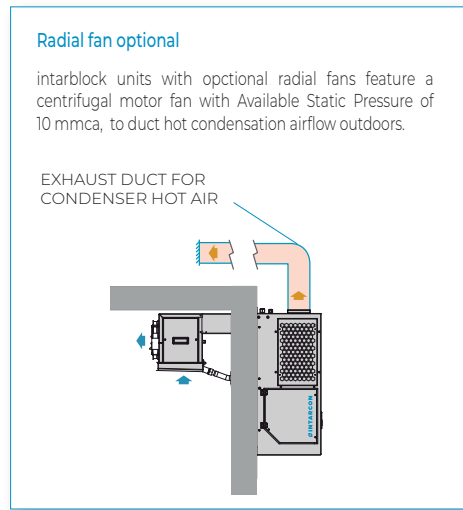
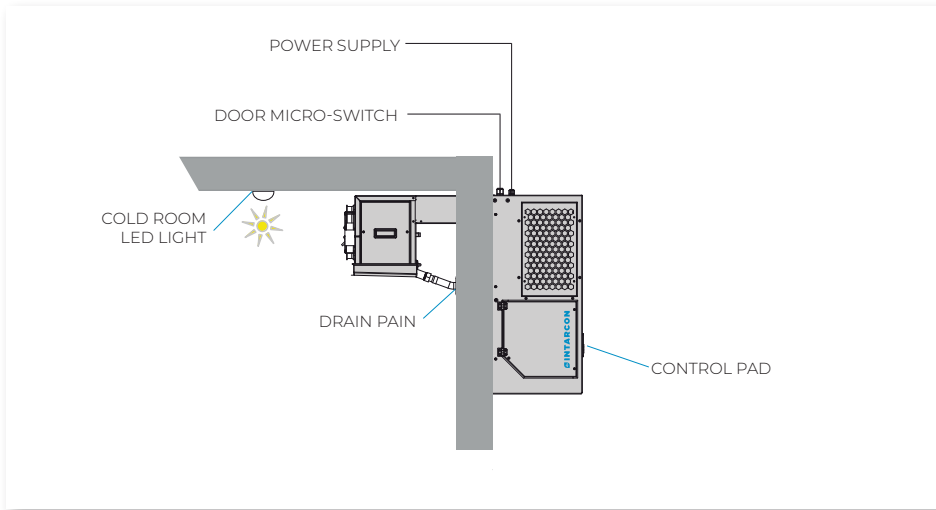
- ▶ Remote control keyboard with digital display.
- ▶ Temperature control with maximum and minimum temperature recording.
- ▶ Possibility of interconnection and synchronization of up to 8 devices by LAN, managed from a single control.

Accessories CV-NPD units

The accessories are supplied as a part for the unit for a better installation on site:

- ▶ Hopper for adaptation to circular duct.
- ▶ Through-wall insulation pad 100 mm.
- ▶ Through-wall insulation pad 150 mm.
- ▶ Non-return damper.
- ▶ Door micro-switch.

Installation scheme



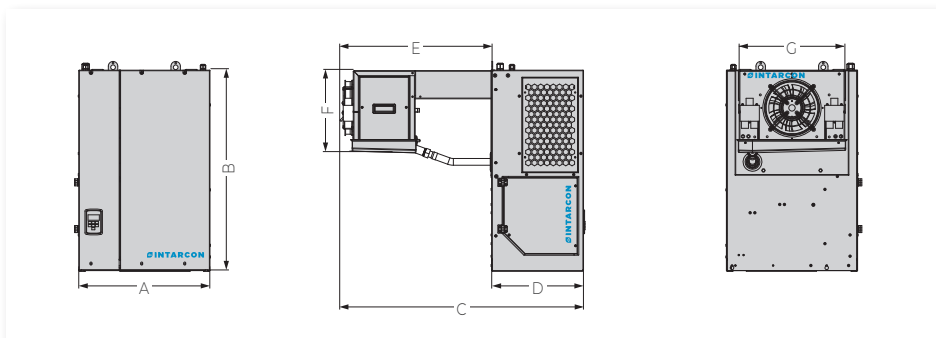
230V/400V 50Hz | Positive temperature | Hermetic compressor | R-290

Refrigerant	Series / Model	Compressor		Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾						Input power (W)	Max. current (A)	Evap. air flow (m³/h)	Conden. air flow [Opt. radial] (m³/h)	Refrigerant load per circuit (g) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
		HP	Power supply	0 °C		5 °C		10 °C									
				W	m³	W	m³	W	m³								
R-290	MCV-NPD-1008A	1/3	230V	686	5	837	9	986	16	570	4,1	750	1 450	<150	68	46	
	MCV-NPD-1012A	1/2	230V	990	9	1166	15	1389	26	730	6,5	750	1 450	<150	68	46	
	MCV-NPD-1018A	3/4	230V	1 391	14	1 479	20	1 687	33	870	5,8	750	1 450	<150	72	46	
	MCV-NPD-2026A	1	230V	1 717	18	2 057	31	2 581	55	1 040	11,2	1 350	1 600	<150	109	44	
	MCV-NPD-2034A	1	230V	2 056	23	2 517	40	2 998	67	1 600	14,8	1 350	1 600	<150	109	45	
	MCV-NPD-2035A	2x 3/4	230V	2 364	28	2 788	45	3 240	74	1 620	11,1	1 350	1 600	<150	116	44	
	MCV-NPD-3052A	2x1	400V	3 272	42	3 954	70	4 706	130	2 480	9,3	2 800	3 000	<150	142	47	
	MCV-NPD-3069A	2x1	400V	4 226	58	5 002	93	5 872	170	3 250	12,9	2 800	3 000	<150	142	48	

230V/400V 50Hz | Negative temperature | Hermetic compressor | R-290

Refrigerant	Series / Model	Compressor		Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾						Input power (W)	Max. current (A)	Evap. air flow (m³/h)	Conden. air flow [Opt. radial] (m³/h)	Refrigerant load per circuit (g) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
		HP	Power supply	-25 °C		-20 °C		-15 °C									
				W	m³	W	m³	W	m³								
R-290	BCV-NPD-1018A	3/4	230V	493	1	601	3	733	6	710	5,8	750	1 450	<150	72	46	
	BCV-NPD-2026A	3/4	230V	689	3	885	6	1 085	11	1 040	9,6	1 350	1 600	<150	109	44	
	BCV-NPD-2034A	3/4	230V	928	6	1 174	10	1 398	17	1 280	11,5	1 350	1 600	<150	109	44	
	BCV-NPD-3054A	1	230V	1 303	10	1 703	19	2 186	34	2 090	18,2	2 800	3 000	<150	131	48	
	BCV-NPD-3068A	1 1/4	400V	1 638	17	2 106	30	2 662	46	2 180	8,9	2 800	3 000	<150	131	48	
	BCV-NPD-3052A	2x 3/4	230V	1 386	11	1 720	19	2 122	33	1 890	18,1	2 800	3 000	<150	142	47	
	BCV-NPD-3069A	2x 3/4	400V	1 764	15	2 250	27	2 662	46	2 560	11,9	2 800	3 000	<150	142	47	

DIMENSIONS



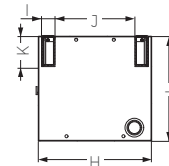
Dimensions (mm)	A	B	C	D	E	F	G	H	I	J	K	L
1 series	556	853	1 023	390	635	348	468	448	56	341	129	450
2 series	706	853	1 173	455	720	448	618	640	56	491	129	560
3 series	906	853	1 101	455	648	455	878	890	56	761	129	560

⁽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 12).

⁽²⁾ A3 refrigerant charge less than 0,5 kg, units exempt from the International Electrotechnical Committee (IEC 60335).

⁽³⁾ Condenser sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

DROP-IN FRAME



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REFRIGERATION CALCULATION SOFTWARE

