

intarblock PRO



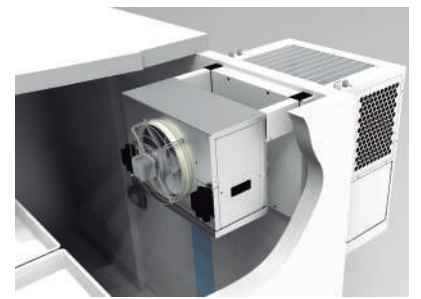
New range of R-290 self-contained slim monoblock designed by and for technicians. For small and medium refrigeration and conservation cold rooms. Units for wall-mount installation.

FEATURES

R-290 refrigerant charge.	
Refrigeration circuit independent per compressor.	
Hermetic reciprocating compressors mounted on rails to reduce vibrations.	
Condensing coil in microchannel with polyester paint treatment.	
AC evaporator fans, and EC condenser fans.	
High pressure switch.	
Removable stainless steel drain pan for cleaning and stainless steel coil.	
Washable suction screen filtering mesh.	
Drainage resistance in self-regulating NT models.	
Wall-mount installation 80-150 mm.	
Access to electrical panel with hinged register.	
Hot gas defrosting.	
Thermostatic expansion valve.	
Aluminium plates covered with film for protection during transport in evaporator.	
Multifunction electronic regulation.	
Cold room LED light.	
EC radial fan with vertical discharge (only for standard air-condensed units).	 + 10 %
Bi-temperature adaption.	 + 10 %
Condensation with water at a temperature between 5 and 50 °C.	 + 5 %
Condensation with glycol water at a temperature between -10 and 5 °C (only in NT models). Includes automatic pressostatic water valve controlled by condensing pressure, with direct drive.	 + 9 %
Water solenoid valve for installation outside the unit.	 + 183 €
Unit adaptation for outdoor installation.	 + 30 %
Halogen-free supply connection (5m).	 + 2 %
Male and female schuko electrical connector base.	 + 77 €
Low voltage protection (single-phase models).	 + 189 €
Low voltage and phase sequence protection (three-phase models).	 + 251 €
Change to 230V 50Hz power supply in three-phase models.	 + 8 %
Drain resistance (for room temperature < 0 °C in PT models).	 + 88 €
Master-slave (alternative + simultaneous).	 + 82 €

 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.

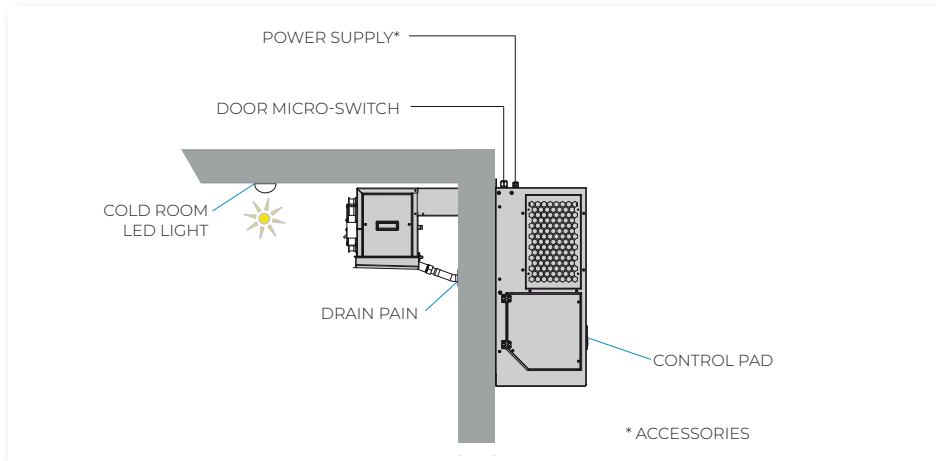


- ▶ Remote control keyboard with digital display.
- ▶ Internal clock for programming of energy saving cycles and defrost.
- ▶ Possibility of interconnection and synchronization of up to 8 devices by LAN, managed from a single control.

Accessories CV-NPD units

- ▶ Hopper for adaptation to circular duct (+ 127 €).
- ▶ Through-wall insulation pad 100 mm (+ 4 %).
- ▶ Through-wall insulation pad 150 mm (+ 6 %).
- ▶ Non-return damper (+ 69 €).
- ▶ Door micro-switch (+ 65 €).
- ▶ 5 metres of electrical supply hose (+ 2 %).

Installation scheme



Radial fan (optional)

intarblock units with optional radial fans feature a centrifugal motor fan with Available Static Pressure of 100 Pa, to duct hot condensation airflow outdoors.



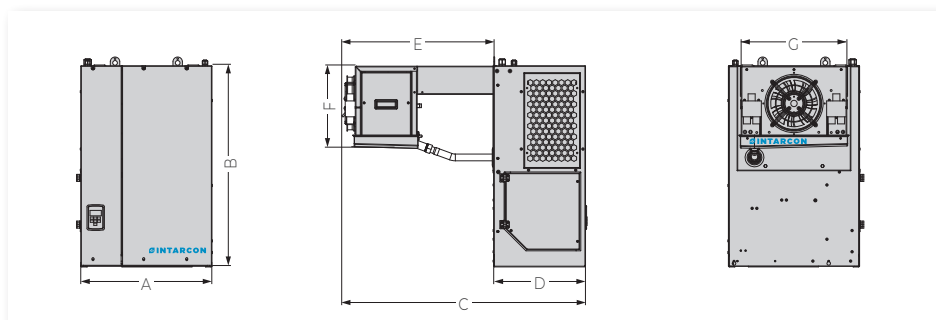
230V 50Hz / 400V 3N 50Hz | Positive temperature | Hermetic compressor | R-290

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 charge 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	720	5	851	10	995	16	464	4.1	750	1450	<150	68	43	2 621
	MCV-NPD-1012A	1/2	230V	958	8	1144	14	1345	24	635	6.5	750	1450	<150	68	43	2 981
	MCV-NPD-1018A	3/4	230V	1 220	12	1 447	20	1 688	33	759	5.8	750	1450	<150	72	43	3 512
	MCV-NPD-2026A	1	230V	1 733	19	2 086	32	2 491	53	1 107	11.2	1 350	1 600	<150	109	41	4 327
	MCV-NPD-2034A	1	230V	2 251	26	2 668	43	3 119	70	1 491	14.8	1 350	1 600	<150	109	42	4 845
	MCV-NPD-2035A	2x 3/4	230V	2 432	29	2 847	47	3 302	75	1 459	11.1	1 350	1 600	<150	116	41	5 597
	MCV-NPD-3052A	2x1	400V *	3 578	47	4 329	78	5 065	140	2 309	9.3	2 800	3 000	<150	142	44	6 078
	MCV-NPD-3069A	2x1	400V *	4 505	62	5 329	100	6 180	180	3 091	12.9	2 800	3 000	<170	142	45	6 740

230V 50Hz / 400V 3N 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 charge 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	469	1	584	3	706	5	588	5.8	750	1450	<150	72	43	3 620
	BCV-NPD-2026A	3/4	230V	703	3	867	6	1 085	11	907	9.6	1 350	1 600	<150	109	41	3 732
	BCV-NPD-2034A	3/4	230V	955	6	1 166	10	1 423	18	1 141	11.5	1 350	1 600	<150	109	41	4 244
	BCV-NPD-3052A	2x 3/4	230V	1 406	12	1 776	21	2 249	36	1 926	18.1	2 800	3 000	<150	142	44	5 486
	BCV-NPD-3054A	1	230V	1 367	11	1 787	21	2 323	38	1 732	18.2	2 800	3 000	<150	131	45	5 225
	BCV-NPD-3068A	1 1/4	230V ⁽⁴⁾	1 665	15	2 173	28	2 792	49	2 028	23,9	2 800	3 000	<150	131	44	5 810
	BCV-NPD-3069A	2x 3/4	400V *	1 905	19	2 372	32	2 898	52	2 402	11,9	2 800	3 000	<150	142	46	5 991

DIMENSIONS



Dimensions (mm)	A	B	C	D	E	F	G	H	I	J	K	L
1 series	556	853	1 023	390	693	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	686	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).

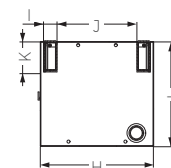
⁽²⁾ A3 refrigerant charge less than 0.5 kg, units exempt from the International Electrotechnical Committee (IEC 60335).

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

* 230V 50Hz available model.

* Power supply change by demand.

DROP-IN FRAME



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