




























# intartop 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 ceiling panel 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 cooper steel coil with epoxy paint.	
Washable suction screen filtering mesh.	
Drainage resistance in NT models.	
Removable insulation pad with fixed part, for 80 mm pipe and wiring entry.	
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 with remote control and halogen-free supply connection (5 m).	
Cold room LED light.	
EC radial fan (only for standard air-condensed units).	 + 10 %
Vertical discharge (only for standard air-condensed units).	 + 0 €
Bi-temperature adaption.	 + 10 %
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 %
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 %
Drain resistance (for room temperature < 0 °C in PT models).	 + 88 €
Master-slave (alternative + simultaneous).	 + 82 €

 As standard  Optional

### Installation scheme



### Adaptation to different ceiling thicknesses

The new compact commercial for ceiling panel installation units are supplied with a separate evaporator fan box and can be mounted telescopically, thus adapting to ceiling panels from 80 to 150 mm thick.

### Electronic control

intartop PRO units incorporates as standard the advanced XM670K electronic control.

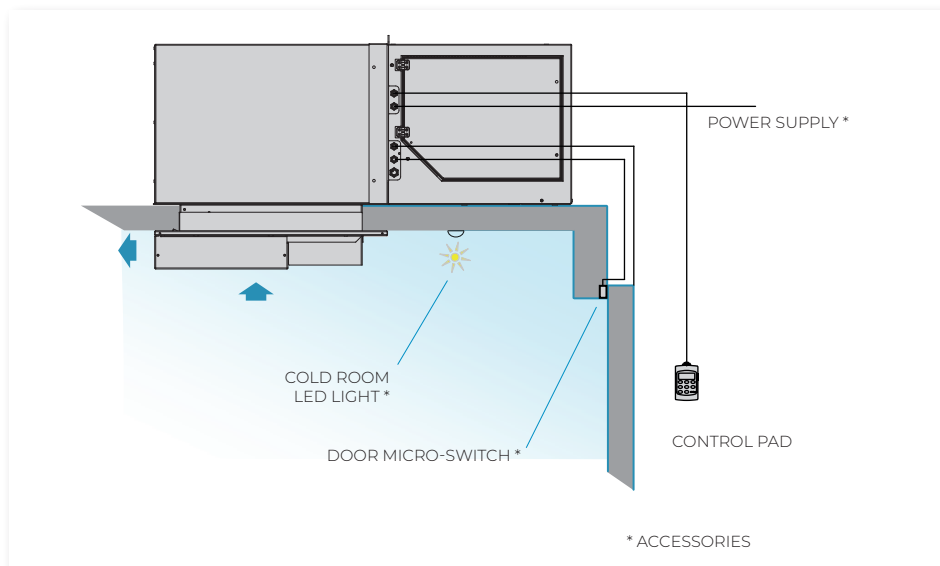


- ▶ Remote control keyboard with digital display.
- ▶ Internal clock for programming of energy saving cycles and defrost.
- ▶ Possibility of interconnection and synchronization of up to 8 devices by LAN, managed from a single control.

### Accessories CR-NPD units

- ▶ Hopper for adaptation to circular duct (+ 127 €).
- ▶ Air suction kit (+ 120 €).
- ▶ Non-return damper (+ 69 €).
- ▶ Door micro-switch (+ 65 €).
- ▶ 5 metres of electrical supply hose (+ 2 %).

## INSTALLATION SCHEME



### Radial condensing fan (optional)

Replacement of the standard condensing fan with a horizontal (circular horizontal outlet) / vertical (rectangular vertical outlet) radial fan.



### Box for external air inlet conduction (optional)

Box for external air inlet conduction to condenser, with circular horizontal inlet.



### Water condensation (optional)

Condensation with water at a temperature between 5 °C / 50 °C or -10 °C / 5 °C (only NT models).



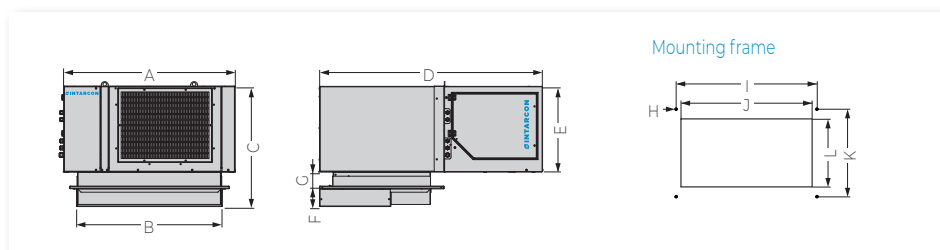
## 230V 50Hz / 400V 3N 50Hz | Positive temperature | Hermetic compressor | R-290

Refrigerant	Series / Model	Compressor		Cooling capacity / Cold room volume, according to cold room temperature <sup>(1)</sup>						Input power (W)	Max. current (A)	Evap. air flow (m³/h)	Conden. air flow [Opt. radial] (m³/h)	ASP (Pa) <sup>(2)</sup>	Refrigerant charge per circuit (g) <sup>(2)</sup>	Weight (kg)	SPL dB(A) <sup>(3)</sup>	Price (€)
		HP	Power supply	0 °C		5 °C		10 °C										
				W	m³	W	m³	W	m³									
R-290	MCR-NPD-1008A	1/3	230V	737	6	867	10	1 010	17	471	4,1	950	1 450	100	<150	82	43	3 006
	MCR-NPD-1012A	1/2	230V	1 000	9	1 184	15	1 386	25	646	6,5	950	1 450	100	<150	82	43	3 201
	MCR-NPD-1018A	3/4	230V	1 275	12	1 506	21	1 757	34	773	5,8	950	1 450	100	<150	86	43	4 405
	MCR-NPD-2026A	1	230V	1 794	20	2 149	33	2 560	55	1 149	11,9	1 350	1 600	100	<150	117	42	5 007
	MCR-NPD-2034A	1	230V	2 332	27	2 747	45	3 220	73	1 541	15,5	1 350	1 600	100	<150	117	42	5 200
	MCR-NPD-2035A	2x 3/4	230V	2 516	30	2 932	48	3 386	78	1 508	11,8	1 350	1 600	100	<150	125	42	5 931
	MCR-NPD-3052A	2x1	400V *	3 485	45	4 207	76	4 949	140	2 294	9,3	2 800	3 000	100	<150	164	45	6 760
	MCR-NPD-3069A	2x1	400V *	4 360	60	5 177	97	6 045	175	3 058	12,9	2 800	3 000	100	<160	164	45	7 800

## 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 <sup>(1)</sup>						Input power (W)	Max. current (A)	Evap. air flow (m³/h)	Conden. air flow [Opt. radial] (m³/h)	ASP (Pa) <sup>(2)</sup>	Refrigerant charge per circuit (g) <sup>(3)</sup>	Weight (kg)	SPL dB(A) <sup>(3)</sup>	Price (€)
		HP	Power supply	-25 °C		-20 °C		-15 °C										
				W	m³	W	m³	W	m³									
R-290	BCR-NPD-1018A	3/4	230V	469	1	594	3	725	5	596	5,8	950	1 450	100	<150	86	43	3 380
	BCR-NPD-2026A	3/4	230V	720	3	903	7	1 126	12	950	8,9	1 350	1 600	100	<150	117	41	4 153
	BCR-NPD-2034A	3/4	230V	992	6	1 213	11	1 470	19	1 190	10,8	1 350	1 600	100	<150	117	41	4 717
	BCR-NPD-3052A	2x1 1/4	230V	1 340	11	1 692	19	2 108	32	1 895	18,3	2 800	3 000	100	<150	164	44	5 870
	BCR-NPD-3054A	1	230V	1 293	10	1 689	19	2 164	34	1 705	18,1	2 800	3 000	100	<150	150	45	5 590
	BCR-NPD-3068A	1 1/4	230V <sup>(c)</sup>	1 574	14	2 107	27	2 605	44	2 240	23,9	2 800	3 000	100	<260	150	44	6 975
	BCR-NPD-3069A	2x1 1/2	400V *	1 814	18	2 258	30	2 743	48	2 353	11,9	2 800	3 000	100	<150	164	46	7 215

## DIMENSIONS



Dimensions (mm)	A*	B	C	D*	E	F	G	H	I	J	K	L	Fan outlet (horizontal / vertical)
1 series	695	532	687	1 145	490	117	80 up to 150	4 x Ø 13	580	535	615	503	Ø 300 / 330x250
2 series	995	832	687	1 275	490	117	80 up to 150	4 x Ø 13	880	835	680	568	Ø 300 / 330x250
3 series	1 245	1 082	687	1 275	490	117	80 up to 150	4 x Ø 13	1 130	1 085	680	568	Ø 350 / 430x250

\* The width of the unit with optional radial condensing fan will change to: 1 045 mm (CR-1), 1 345 mm (CR-2), 1 595 mm (CR-3), and the sound pressure level will change slightly from the value given for the axial unit. The length of the unit with optional box for external air inlet conduction will change to: 1 310 mm (CR-1) and 1 440 mm (CR-2/CR-3).

<sup>(1)</sup> 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).

<sup>(2)</sup> Available static pressure of condensation.

<sup>(3)</sup> A3 refrigerant charge less than 0.5 kg, units exempt from the International Electrotechnical Committee (IEC 60335).

<sup>(4)</sup> 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.

### Easy installation

The evaporator is delivered in a separate package from the condensing part, which facilitates the assembly of the unit in the cold room.

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