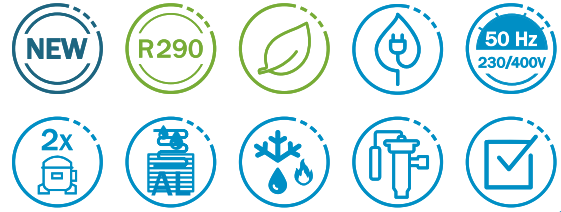


intartop PRO



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.	■
Radial fan with vertical or horizontal discharge option (only for standard air-condensed units).	□
Bi-temperature adaption.	□
Male and female schuko electrical connector base.	□
Low voltage protection (single-phase models).	□
Low voltage and phase sequence protection (three-phase models).	□
Change to 230V 50Hz power supply in three-phase models.	□
Condensation with water at a temperature between 5 and 50 °C.	□
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.	□
Drain resistance (for room temperature < 0 °C in PT models).	□
Master-slave (alternative + simultaneous).	□

■ As standard □ Optional

Installation example



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.

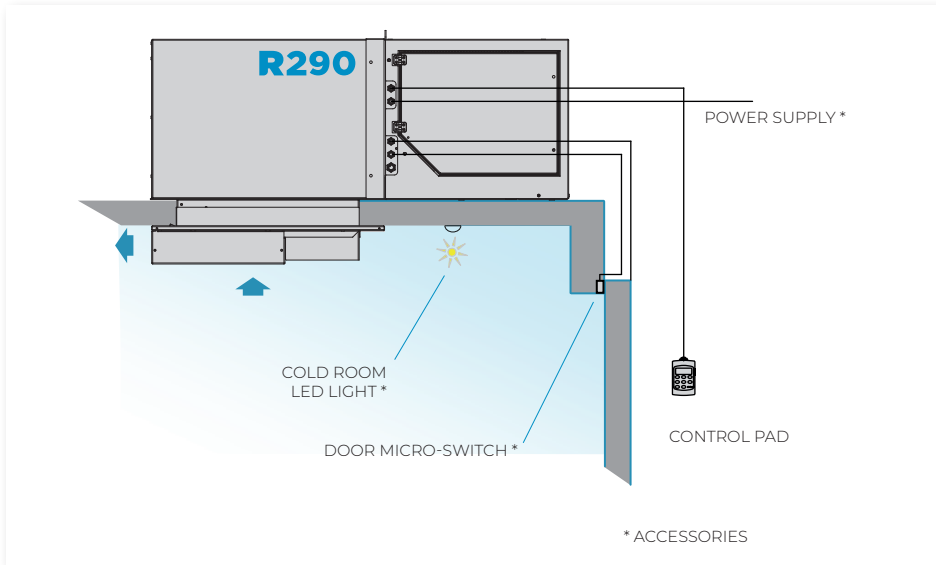


- ▶ Remote control keyboard with digital display.
- ▶ Internal clock for programming of energy saving cycles and defrost.
- ▶ Possibility of interconnection and synchronization of up to 8 devices by LAN, managed from a single control.

Accessories CR-NPD units

- ▶ Hopper for adaptation to circular duct.
- ▶ Air suction kit.
- ▶ Non-return damper.
- ▶ Door micro-switch.
- ▶ 5 metres of electrical supply hose.

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).



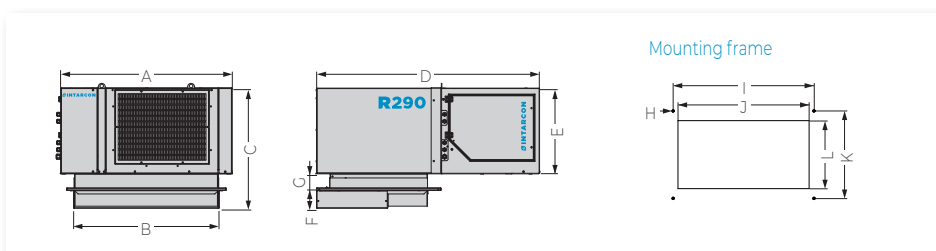
230V I+N ~ 50Hz / 400V 3N ~ 50Hz | Positive temperature | Hermetic compressor | R-290

Refrigerant	Series / Model	Power supply	Compressor (HP)	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)	ASP (Pa) ⁽²⁾	Refrigerant charge per circuit (g) ⁽³⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)
				0 °C		5 °C		10 °C										
				W	m³	W	m³	W	m³									
R-290	MCR-NPD-1008A	230V I+N ~ 50Hz	1/3	737	6	867	10	1010	17	471	4,1	950	1450	100	<150	82	43	
	MCR-NPD-1012A	230V I+N ~ 50Hz	1/2	1000	9	1184	15	1386	25	646	6,5	950	1450	100	<150	82	43	
	MCR-NPD-1018A	230V I+N ~ 50Hz	3/4	1275	12	1506	21	1757	34	773	5,8	950	1450	100	<150	86	43	
	MCR-NPD-2026A	230V I+N ~ 50Hz	1	1794	20	2149	33	2560	55	1149	11,9	1350	1600	100	<150	117	42	
	MCR-NPD-2034A	230V I+N ~ 50Hz	1	2332	27	2747	45	3220	73	1541	15,5	1350	1600	100	<150	117	42	
	MCR-NPD-2035A	230V I+N ~ 50Hz	2x 3/4	2516	30	2932	48	3386	78	1508	11,8	1350	1600	100	<150	125	42	
	MCR-NPD-3052A	400V 3N ~ 50Hz*	2x1	3485	45	4207	76	4949	140	2294	9,3	2800	3000	100	<150	164	45	
	MCR-NPD-3069A	400V 3N ~ 50Hz*	2x1	4360	60	5177	97	6045	175	3058	12,9	2800	3000	100	<160	164	45	

230V I+N ~ 50Hz / 400V 3N ~ 50Hz | Negative temperature | Hermetic compressor | R-290

Refrigerant	Series / Model	Power supply	Compressor (HP)	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)	ASP (Pa) ⁽²⁾	Refrigerant charge per circuit (g) ⁽³⁾	Weight (kg)	SPL dB(A) ⁽⁴⁾	Price (€)
				-25 °C		-20 °C		-15 °C										
				W	m³	W	m³	W	m³									
R-290	BCR-NPD-1018A	230V I+N ~ 50Hz	3/4	469	1	594	3	725	5	596	5,8	950	1450	100	<150	86	43	
	BCR-NPD-2026A	230V I+N ~ 50Hz	3/4	720	3	903	7	1126	12	950	8,9	1350	1600	100	<150	117	41	
	BCR-NPD-2034A	230V I+N ~ 50Hz	3/4	992	6	1213	11	1470	19	1190	10,8	1350	1600	100	<150	117	41	
	BCR-NPD-3052A	230V I+N ~ 50Hz	2x 1 1/4	1340	11	1692	19	2108	32	1895	18,3	2800	3000	100	<150	164	44	
	BCR-NPD-3054A	230V I+N ~ 50Hz	1	1293	10	1689	19	2164	34	1705	18,1	2800	3000	100	<150	150	45	
	BCR-NPD-3068A	230V I+N ~ 50Hz ⁽⁴⁾	1 1/4	1574	14	2107	27	2605	44	2240	23,9	2800	3000	100	<260	150	44	
	BCR-NPD-3069A	400V 3N ~ 50Hz*	2x 1 1/2	1814	18	2258	30	2743	48	2353	11,9	2800	3000	100	<150	164	46	

DIMENSIONS



Dimensions (mm)	A*	B	C	D*	E	F	G	H	I	J	K	L	Fan outlet (horizontal / vertical)
1 series	695	532	687	1145	490	117	80 up to 150	4 x Ø 13	580	535	615	503	Ø 300 / 330x250
2 series	995	832	687	1275	490	117	80 up to 150	4 x Ø 13	880	835	680	568	Ø 300 / 330x250
3 series	1245	1082	687	1275	490	117	80 up to 150	4 x Ø 13	1130	1085	680	568	Ø 350 / 430x250

* The width of the unit with optional radial condensing fan will change to: 1045 mm (CR-1), 1345 mm (CR-2), 1595 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: 1310 mm (CR-1) and 1440 mm (CR-2/CR-3).

⁽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⁾ Available static pressure of condensation.

⁽³⁾ A3 refrigerant charge below 500 g, simplified compliance with EN378.

⁽⁴⁾ 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.