



Commercial monoblock units for small-size chiller and freezer cold rooms, for ceiling panel installation.

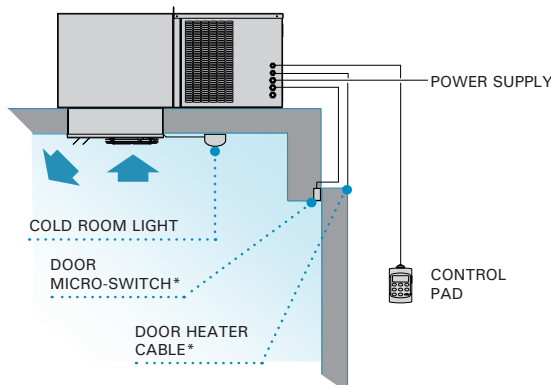
### Features

- ▶ 230V 50Hz or 400V 3N 50Hz power supply. Available in 60Hz. Others voltages by request.
- ▶ R-290 refrigerant load, below 0.2 kg.
- ▶ R-134a or R-449A refrigerant load, below 1.5 kg.
- ▶ Hermetic reciprocating compressor.
- ▶ High pressure switch.
- ▶ Low pressure switch (CR-ND series).
- ▶ Thermostatic expansion valve.
- ▶ MCB protection.
- ▶ Hot gas defrost.
- ▶ Stainless steel drain pan.
- ▶ Evaporation of condensed water.
- ▶ Cold room LED light and micro-switch (CR-ND model).
- ▶ Cold room light and micro-switch cable (CR-Y/G model).
- ▶ Door heater cable (only BCR model).
- ▶ Evaporator case made in sandwich panel, with 50 mm polyurethane insulation, internally covered in steel sheet.
- ▶ Multifunction electronic control.

### Series

- ▶ **CR-N:** Axial monoblock version for ceiling panel installation.
- ▶ **CR-C:** Centrifugal monoblock version with centrifugal motor fan to duct the hot condensation air outdoors.

### Installation scheme (1,2 and 3 series)



\* Door heater cable only in negative temperature series.  
\* Door micro-switch not included (except CR-ND models).

- ❄ Natural refrigerant **R-290** with high energy efficiency.
- ❄ Tropicalised design for ambient temperature up to 45 °C.
- ❄ Thermostatic expansion valve.
- ❄ Hot gas defrost with temperature control.
- ❄ Units exempt from leak checks.

### Installation



### Electronic control

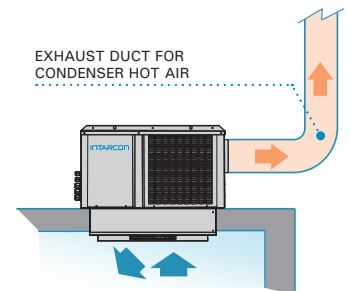
intartop units feature XWING electronic control as standard:



- Multi-function remote digital control.
- Temperature control with maximum and minimum temperature value recording.
- Quick cooling function Jet Cool.
- Night operation mode.

### Centrifugal version

intartop centrifugal units feature a centrifugal motor fan to duct the hot condensation air outdoors.



### Exhaust duct

Recommended size for 20 m long steel, PVC or fibreglass ducts (each elbow at 90° equals 5 m in length). For flexible or semi-flexible ducts use a larger size:

- 0 series: 200 x 150 mm or Ø 150 mm
- 1 series: 200 x 200 mm or Ø 150 mm
- 2 series: 250 x 150 mm or Ø 200 mm
- 3 series: 200 x 300 mm or Ø 250 mm

230V 50Hz | Positive temperature | R-290

Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature <sup>(1)</sup>						Input power (kW)	Max. current (A)	Evap. air flow (m <sup>3</sup> /h)	Refrig. load (kg) <sup>(2)</sup>	Weight (kg)	SPL dB(A) <sup>(4)</sup>	Price (€)
	HP	Power supply	0 °C		5 °C		10 °C								
			W	m <sup>3</sup>	W	m <sup>3</sup>	W	m <sup>3</sup>							
<b>R-290</b> MCR-ND-0 009	1/3	230V	670	5	780	7	900	12	0.39	3.6	300	<0.10	63	29	2 253
MCR-ND-1 012	1/2	230V	1 060	9	1 240	15	1 435	27	0.53	3.4	600	<0.10	73	29	2 735
MCR-ND-1 017	3/4	230V	1 370	14	1 585	21	1 815	36	0.68	4.5	600	<0.15	73	31	3 050
MCR-ND-2 026	2	230V	1 850	21	2 200	34	2 577	58	0.98	5.9	1 150	<0.15	96	35	4 073
MCR-ND-2 034	2 1/2	230V	2 240	27	2 650	43	2 995	70	1.35	9.0	1 150	<0.20	96	35	5 122

230V 50Hz | Negative temperature | R-290

Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature <sup>(1)</sup>						Input power (kW)	Max. current (A)	Evap. air flow (m <sup>3</sup> /h)	Refrig. load (kg) <sup>(2)</sup>	Weight (kg)	SPL dB(A) <sup>(4)</sup>	Price (€)
	HP	Power supply	-25 °C		-20 °C		-15 °C								
			W	m <sup>3</sup>	W	m <sup>3</sup>	W	m <sup>3</sup>							
<b>R-290</b> BCR-ND-0 014	3/4	230V	385	1	460	2	550	4	0.39	3.3	300	<0.10	65	29	2 654
BCR-ND-1 017	3/4	230V	540	2	660	5	800	8	0.49	3.5	600	<0.10	73	29	2 981
BCR-ND-1 028	1 1/4	230V	770	4	925	9	1 100	15	0.73	6.0	600	<0.15	80	31	3 266
BCR-ND-2 034	1 1/2	230V	985	7	1 215	14	1 475	25	0.99	9.3	1 150	<0.20	96	34	4 011

230V 50Hz / 400V 3N 50Hz | Positive temperature | R-134a

Axial version Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature <sup>(1)</sup>						Input power (kW)	Max. current (A)	Evap. air flow (m <sup>3</sup> /h)	Refrig. load (kg) <sup>(3)</sup>	Weight (kg)	SPL dB(A) <sup>(4)</sup>	Price (€)	Centrifugal version			
	HP	Power supply	0 °C		5 °C		10 °C									Series / Model	Conden. air flow (m <sup>3</sup> /h)	ASP (mmca) <sup>(5)</sup>	Price (€)
			W	m <sup>3</sup>	W	m <sup>3</sup>	W	m <sup>3</sup>											
<b>R-134a</b> MCR-NY-0 010	3/8	230V	605	4.0	751	7.0	902	12	0.43	4.5	300	<1.0	62	29	2 021	MCR-CY-0 010	375	8	2 288
MCR-NY-0 015	1/2	230V	788	6.1	956	10	1 134	18	0.53	5.5	300	<1.0	65	32	2 312	MCR-CY-0 015	375	8	2 618
MCR-NY-1 015	1/2	230V	999	8.2	1 231	12	1 490	23	0.58	5.6	600	<1.0	73	32	2 462	MCR-CY-1 015	575	8	2 788
MCR-NY-1 026	3/4	230V	1 265	12	1 549	19	1 853	30	0.93	9.3	600	<1.0	82	30	3 000	MCR-CY-1 026	575	8	3 397
MCR-NY-1 033	1	230V	1 502	16	1 817	26	2 153	41	1.05	9.5	600	<1.0	83	33	3 388	MCR-CY-1 033	575	8	3 834
MCR-NY-2 033	1	230V	1 911	24	2 363	37	2 846	61	1.21	10.3	1 150	<1.5	98	34	3 851	MCR-CY-2 033	1 000	12	4 364
MCR-NY-2 053	1 1/2	230V *	2 352	33	2 882	50	3 455	75	1.67	12.9	1 150	<1.5	99	38	4 562	MCR-CY-2 053	1 000	12	5 170
MCR-NY-2 074	2	230V *	2 940	40	3 560	60	4 211	90	1.83	16.9	1 150	<1.5	110	44	5 051	MCR-CY-2 074	1 000	12	5 721
MCR-NY-3 108	5	400V 3N	3 725	48	4 465	71	5 155	121	2.30	15.1	1 300	<2.0	149	45	5 611	MCR-CY-3 108	1 500	14	6 135

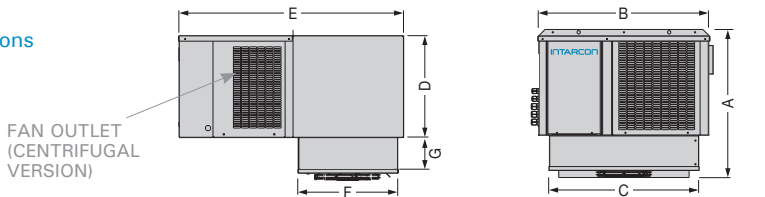
230V 50Hz / 400V 3N 50Hz | Negative temperature | R-449A

Axial version Series / Model	Compressor		Cooling capacity / Cold room volume according to cold room temperature <sup>(1)</sup>						Input power (kW)	Max. current (A)	Evap. air flow (m <sup>3</sup> /h)	Refrig. load (kg) <sup>(3)</sup>	Weight (kg)	SPL dB(A) <sup>(4)</sup>	Price (€)	Centrifugal version			
	HP	Power supply	-25 °C		-20 °C		-15 °C									Series / Model	Conden. air flow (m <sup>3</sup> /h)	ASP (mmca) <sup>(5)</sup>	Price (€)
			W	m <sup>3</sup>	W	m <sup>3</sup>	W	m <sup>3</sup>											
<b>R-449A</b> BCR-NG-0 018	5/8	230V	418	0.6	525	1.5	638	2.8	0.59	4.7	300	<0.5	65	31	2 601	BCR-CG-0 018	375	8	2 905
BCR-NG-1 026	3/4	230V	562	2.0	736	4.1	907	7.7	0.84	8.5	600	<1.0	84	31	3 032	BCR-CG-1 026	575	8	3 393
BCR-NG-1 034	1 1/4	230V	703	3.2	892	5.8	1 060	10	1.05	11.0	600	<1.0	84	33	3 194	BCR-CG-1 034	575	8	3 562
BCR-NG-2 034	1 1/4	230V	775	3.8	1 102	7.8	1 406	14	1.11	11.5	1 150	<1.0	135	35	3 628	BCR-CG-2 034	1 000	12	4 152
BCR-NG-2 055	1 3/4	230V *	1 160	8.0	1 575	15	2 015	27	1.60	12.6	1 150	<1.5	145	41	4 267	BCR-CG-2 055	1 000	12	4 809
BCR-NG-2 075	2 1/2	230V *	1 470	11	1 870	19	2 295	32	2.00	25.5	1 150	<1.5	145	44	4 818	BCR-CG-2 075	1 000	12	5 383
BCR-NG-3 075	2 1/2	230V *	1 630	13	2 115	23	2 655	38	2.10	25.5	1 300	<1.5	147	44	5 365	BCR-CG-3 075	1 500	14	5 908
BCR-NG-3 096	3 1/2	400V 3N	1 850	15	2 420	27	3 010	46	2.20	11.2	1 300	<1.5	147	49	5 550	BCR-CG-3 096	1 500	14	6 074

Options

- ▶ Change to 400V 3N 50Hz power supply (CR-Y/G models). + 5 %
- ▶ Door micro-switch (CR-Y/G models). + 63 €
- ▶ Non-return damper (centrifugal version). + 67 €
- ▶ Adaptation of air discharge to circular duct (CR-Y/G models). + 123 €
- ▶ Vertical discharge (centrifugal version).
- ▶ Evaporator coil epoxy anti-corrosion treatment. + 6 %

Dimensions



Dimensions (mm)	A	B	C	D	E	F	G	Fan outlet	Hopper
0 series	480	600	430	330	790	375	100	185 x 115	Ø 150
1 series	574	665	582	385	850	379	135	185 x 115	Ø 150
2 series	677	835	756	469	850	379	135	230 x 130	Ø 200
3 series	680	925	843	485	1 070	454	145	266 x 236	Ø 250

<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 8).

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

<sup>(3)</sup> Units with refrigerant load less than 5 tons of CO<sub>2</sub> equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.

<sup>(4)</sup> Condenser sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

<sup>(5)</sup> Available static pressure of condensation.

\* Units available with 400V 3N 50Hz power supply.

Mounting frames

Dimensions (mm)	H	I
0 series	435	380
1 series	590	385
2 series	760	385
3 series	850	460

CEILING FRAME