

JB-NE series – Low profile CO₂ evaporators



Slim-type commercial CO₂ evaporating units, with inbuilt control valves and electronic control, built in aluminium with polyester paint, for positive and negative temperature cold rooms.

Features

- ▶ 230V 50Hz power supply. Available in 60Hz. Other voltages by request.
- ▶ High-flow axial motor fans.
- ▶ Electronic expansion valve.
- ▶ High efficiency air cooling coil, made of copper tubes and aluminium fins, with 6 mm fin pitch.
- ▶ Refrigerant connections for soldering, with suction line siphon integrated in the unit.
- ▶ Flexible drain resistor (negative temperature models).

Options

- ▶ Electric defrosting by means of heating elements.
- ▶ Hot CO₂ defrosting (consult us).
- ▶ Control panel with electrical protection and electronic control unit for control of the expansion valve driver, fans and defrosting, and light alarm.
- ▶ Anti-corrosion coil coating.
- ▶ EC fans.

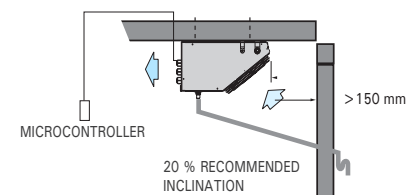
- ❄ High efficiency coils.
- ❄ Electronic expansion valves.
- ❄ Factory set equipment for optimum cooling performance.
- ❄ Electronic control (optional).

High efficiency finned coils

The efficiency of a tube and fin coil is an index of the utilisation of its exchange surface, associated with a higher temperature homogeneity. INTARCON coils have an efficiency of 85 % to 90 %.

Installation recommendations

The installation of the evaporator units inside the cold store should be carried out according to the following recommendations:



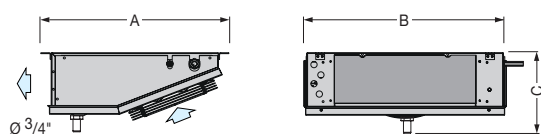
- Place the unit at one end of the cold room, avoiding placing it above the door of the cold room and preferably driving it longitudinally in the cold room and transversally to the entrance door.

230V 50Hz | Positive temperature | Negative temperature | R-744

Refrigerant	Application	Series / Model	Cooling capacity according to cold room temperature (W) ⁽¹⁾			Coil			Fans				Electrical defrost		Liq-Gas Cooling Connection	Weight (kg)	
			SC2	SC3	SC4	Fin spacing (mm)	Area (m²)	Vol. (litres)	Air flow (m³/h)	Nx Ø (mm)	Power (W)	I max. (A)	Range (m)	W			A
			0 °C 85 % RH DT1 = 8 K	-18 °C 95 % RH DT1 = 8 K	-25 °C 95 % RH DT1 = 6 K												
R-744	Positive / Negative	MJB-NE-0 117 BJB-NE-0 117	650	510	410	5	2.0	0.6	300	1x Ø 200	62	0.3	3	1x 250	2.2	3/16"-3/16" 3/16"-3/8"	11
		MJB-NE-1 120 BJB-NE-1 120	1 210	940	770	6	3.5	1.0	550	1x Ø 200	70	0.3	4	1x 450	3.9	3/16"-3/16"	12
		MJB-NE-2 220 BJB-NE-2 220	1 990	1 550	1 270	6	6.3	1.6	1 050	2x Ø 200	140	0.5	4	1x 700	6.1	3/16" - 1/4"	17
		MJB-NE-3 325 BJB-NE-3 325	3 450	2 680	2 190	6	11.8	2.9	1 725	3x Ø 254	210	1.4	6	2x 800	10.4	1/4"-1/4"	32
		MJB-NE-4 430 BJB-NE-4 430	5 940	4 620	3 770	6	18.1	4.7	3 100	4x Ø 300	480	3.5	8	3x 1 000	13.0	1/4" - 3/8"	39

Dimensions

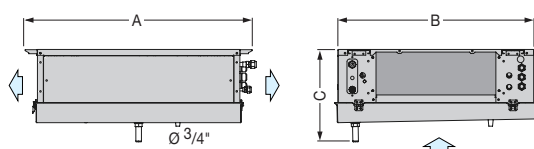
JB-NE series



Dimensions (mm)	A	B	C
0 series	417	549	185
1 series	460	643	235
2 series	460	993	235
3 series	538	1 691	235
4 series	590	2 064	285

All dimensions see page 55.

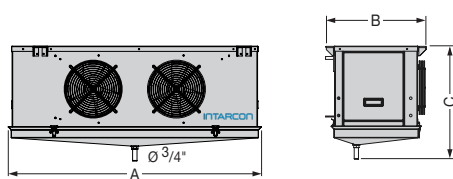
JD-NE series



Dimensions (mm)	A	B	C
1 series	852	736	310
2 series	852	1 086	310
3 series	852	1 786	310
4 series	942	2 186	360
5 series	942	2 186	360

All dimensions see page 57.

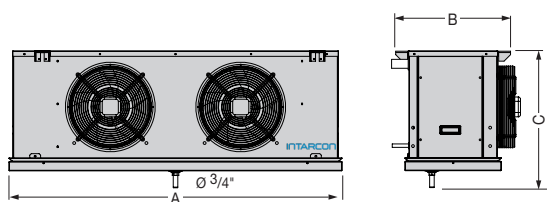
JC-NE series



Dimensions (mm)	A	B	C
12 series	1 200	530	547
22 series	1 500	530	547
23 series	1 500	530	547
34 series	1 900	530	547

All dimensions see page 61.

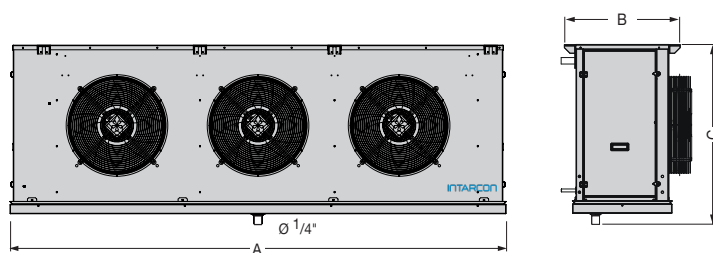
KC-NE series



Dimensions (mm)	A	B	C
0 series	880	530	581
1 series	1 230	530	581
2 series	1 530	530	581
3 series	1 930	530	581
4 series	2 430	530	581

All dimensions see page 63.

KH-NE series



Dimensions (mm)	A	B	C
11 series	1 180	625	730
21 series	1 180	625	980
12 series	1 930	625	730
22 series	1 930	625	982
13 series	2 680	625	730
23 series	2 680	625	982
14 series	3 430	625	730
24 series	3 430	625	982

All dimensions see page 67.