

JB-NH series – Slim type air coolers



- ❄️ Glycol water.
- ❄️ High efficiency battery.
- ❄️ Integrated solenoid valve.
- ❄️ Pre-wired electronic control (optional).

Slim type air-cooled with glycol water, equipped with control valves and optional pre-wired electronic control, built in aluminium body with polyester paint, for small cold rooms at high and medium temperatures.

Features

- ▶ 230V 50Hz power supply. Available in 60Hz. Others voltages by request.
- ▶ High efficiency air cooling coil, made of copper tubes and aluminium fins, with 4 and 6 mm fin pitch.
- ▶ Stainless steel condensate tray (only AJB-NH series).
- ▶ High-flow axial motor fans.
- ▶ Optimised hydraulic circuit for glycol water.
- ▶ Air defrosting.
- ▶ Threaded hydraulic connections.
- ▶ Solenoid regulating valve integrated in the unit.

Options

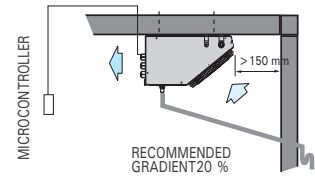
- ▶ Electric defrosting by heating elements in coil and condensate tray.
- ▶ Electronic control unit with fan control relays and solenoid coil, and cold room and defrosting temperature probes.
- ▶ Electronic fans.
- ▶ Anti-corrosion coil coating.

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 cooling units inside the cold store should be carried out according to the following recommendations:



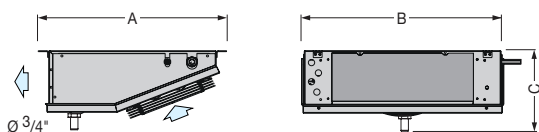
- Place the unit at one end of the cold room, avoiding placing it above the door of the cold room and preferably driving it longitudinally in the cold room and transversally to the entrance door.

230V 50Hz | **High temperature** | **Positive temperature** | **Glycol water**

Refrigerant	Application	Series / Model	Cooling capacity (W) according to cold room temperature		Coil			Fan					Hydraulic circuit			Electrical defrost		Weight (kg)	
			10 °C / 85 % RH (0 °C / 5 °C) PG 25 %	0 °C / 85 % RH (-10 °C / -5 °C) PG 35 %	Fin spacing (mm)	Area (m ²)	Vol. (litres)	Air flow (m ³ /h)	Nx Ø (mm)	Capacity (W)	Max. current (A)	Range (m)	Flow (m ³ /h)	Pressure drop (mwc)	Hydraulic connection	W	A		
PROPYLENE GLYCOL	High	AJB-NH-1 120	1 060	980	4	5.2	1.0	475	1x Ø 200	62	0.3	4	0.2	20	3/4"	1x 450	3.9	11	
		AJB-NH-2 220	1 700	1 590	4	9.3	1.6	950	2x Ø 200	124	0.5	4	0.4	26	3/4"	1x 700	6.1	12	
		AJB-NH-3 325	2 600	2 430	4	17.4	2.9	1 575	3x Ø 254	210	1.4	6	0.7	15	1"	2x 800	10.4	18	
		AJB-NH-4 430	4 380	4 100	4	26.8	4.7	2 800	4x Ø 300	472	3.2	8	1.3	27	1"	3x 1 000	13.0	33	
	Positive	MJB-NH-1 120		970	900	6	3.5	1.0	550	1x Ø 200	62	0.3	4	0.1	13	3/4"	1x 450	3.9	11
		MJB-NH-2 220		1 550	1 450	6	6.3	1.6	1 050	2x Ø 200	124	0.5	4	0.2	16	3/4"	1x 700	6.1	12
		MJB-NH-3 325		2 430	2 270	6	11.8	2.9	1 725	3x Ø 254	210	1.4	6	0.4	10	1"	2x 800	10.4	18
		MJB-NH-4 430		4 030	3 780	6	18.1	4.7	3 100	4x Ø 300	472	3.2	8	0.8	17	1"	3x 1 000	13.0	33

Dimensions

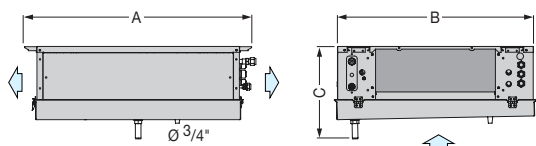
JB series



Dimensions (mm)	A	B	C
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.

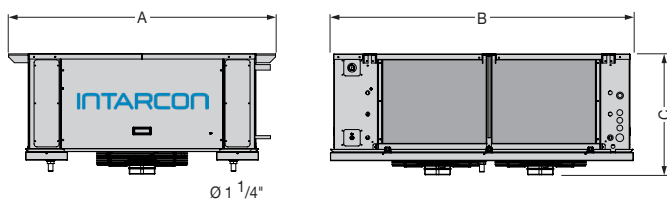
JD series



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.

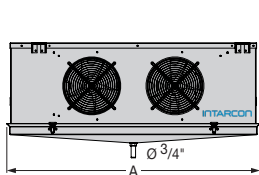
KD series



Dimensions (mm)	A	B	C
1 series	1 385	1 567	625
2 series	1 385	1 967	633
3 series	1 385	2 467	633

All dimensions see page 59.

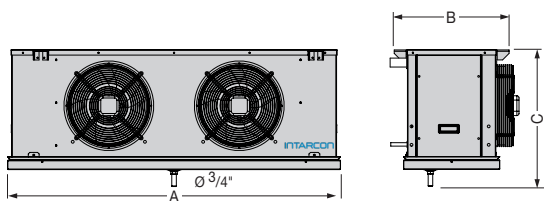
JC series



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.

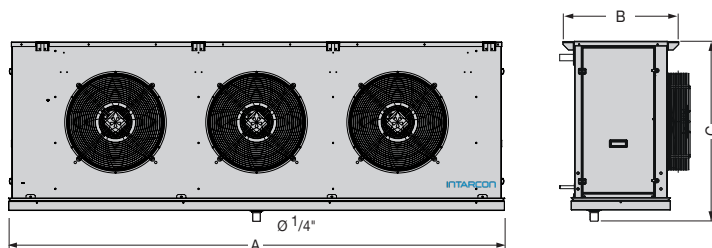
KC series



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.

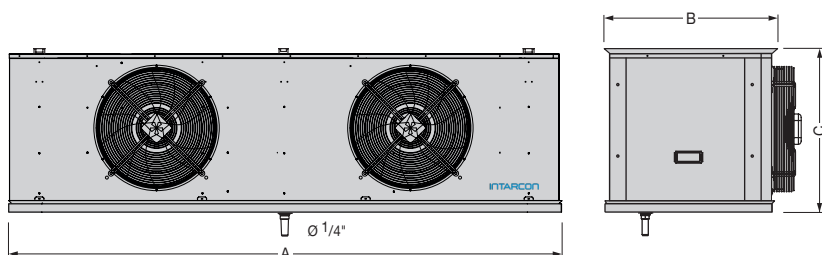
KH series



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.

KJ series



Dimensions (mm)	A	B	C
12 series	3 000	960	970
13 series	4 200	960	970
14 series	5 400	960	970
22 series	3 800	1 050	1 270
23 series	5 400	1 050	1 270
24 series	7 000	1 050	1 270

