

# KJ-NH series – Industrial cubic type air coolers



- ❄ Glycol.
- ❄ Large surface area coils.
- ❄ Easy installation.

Industrial air coolers for large cold rooms with glycol or brine as secondary refrigerant, built in galvanised sheet steel bodywork with polyester coating.

**Features**

- ▶ 400V 3N 50Hz power supply. Available in 60Hz. Others voltages by request.
- ▶ 5/8" copper tube bore and aluminium fins, in large exchange surface geometry, with 4.5 and 7 mm fin spacing.
- ▶ Long-range axial motor fans Ø 630 and Ø 800 mm.
- ▶ Optimised hydraulic circuit for glycol.
- ▶ Threaded hydraulic connections.
- ▶ Design pressure: 10 bar.

**Optimised design**

Air coolers designed to work with glycol or brine, with limited pressure drop and large exchange surface.

The special tube geometry of the industrial air coolers reduces frost formation and allows spacing of defrost cycles.

In addition, the counter-current circuit design improves the exchange efficiency. All this results in higher humidity in the cold room and less product loss.

400V 3N 50Hz | **High temperature** | **Positive temperature** | **Glycol water**

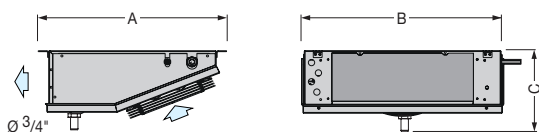
Refrigerant	Application	Series / Model	Cooling capacity (W) according to cold room temperature		Coil			Fans					Hydraulic circuit			Electrical defrost		Weight (kg)
			10 °C 85 % HR PG 25% 0/5°C	0 °C 85 % HR PG 35% -10/-5°C	Fin spacing (mm)	Area (m²)	Vol. (litres)	Air flow (m³/h)	Nx Ø (mm)	Capacity (kW)	Max. current (A)	Range (m)	Flow (l/s)	Pressure drop (kPa)	Hydraulic connections	kW	A	
PROPYLENE GLYCOL	High	AKJ-NH-1 263	27.7	27.4	4.5	369	65	19 500	2x Ø 630	1.7	3.3	35	1.4	41	2"	20	29	375
		AKJ-NH-1 363	37.2	36.9	4.5	554	98	29 500	3x Ø 630	2.6	5.0	35	1.9	27	2"	30	43	550
		AKJ-NH-1 463	49.6	49.2	4.5	738	130	39 000	4x Ø 630	3.5	7.0	35	2.5	59	2"	40	58	725
		AKJ-NH-2 280	46.9	46.4	4.5	655	114	35 000	2x Ø 800	3.1	6.0	45	2.4	77	2"	40	58	650
		AKJ-NH-2 380	63.0	62.3	4.5	982	171	52 000	3x Ø 800	4.6	9.0	45	3.2	51	2 1/2"	50	72	900
		AKJ-NH-2 480	77.3	76.8	4.5	1 310	228	69 500	4x Ø 800	6.1	12.0	45	3.5	77	2 1/2"	60	87	1 150
	Positive	MKJ-NH-1 263	25.2	24.5	7	243	65	21 500	2x Ø 630	1.8	3.4	35	1.3	35	2"	20	29	325
		MKJ-NH-1 363	34.1	33.5	7	365	98	32 500	3x Ø 630	2.7	5.0	35	1.8	30	2"	30	43	475
		MKJ-NH-1 463	45.5	44.7	7	486	130	43 000	4x Ø 630	3.6	7.0	35	2.3	57	2"	40	58	625
		MKJ-NH-2 280	42.7	41.6	7	432	114	38 500	2x Ø 800	3.2	6.0	45	2.1	60	2"	40	58	575
		MKJ-NH-2 380	57.8	56.4	7	649	171	57 500	3x Ø 800	4.8	9.0	45	2.9	45	2 1/2"	50	72	825
		MKJ-NH-2 480	74.2	71.4	7	865	228	76 500	4x Ø 800	6.3	12.0	45	3.4	79	2 1/2"	60	87	1 075

**Options**

- ▶ Electric defrosting by overlapping heating elements in coil and condensate tray.
- ▶ Anti-corrosion coil coating.

Dimensions

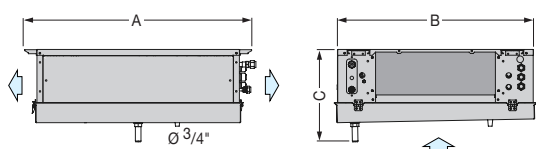
JB series



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.

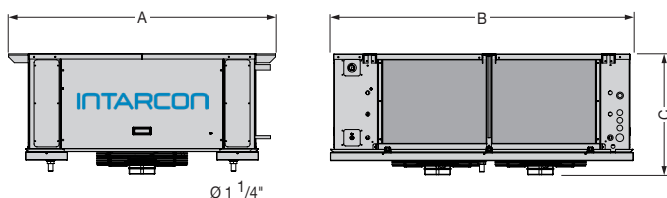
JD series



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.

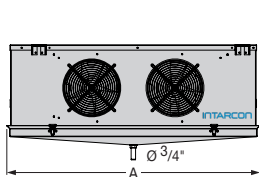
KD series



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.

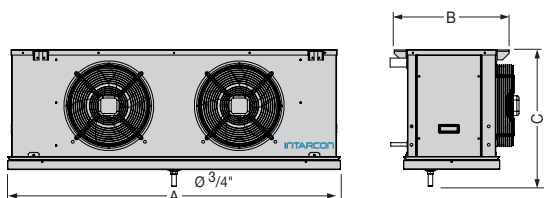
JC series



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.

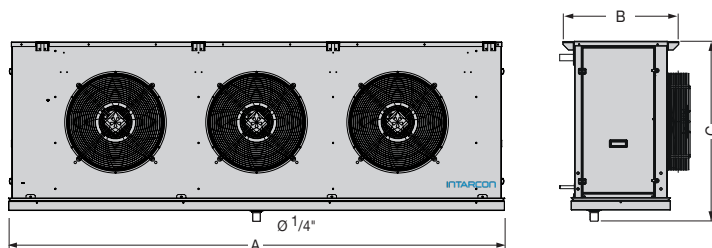
KC series



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.

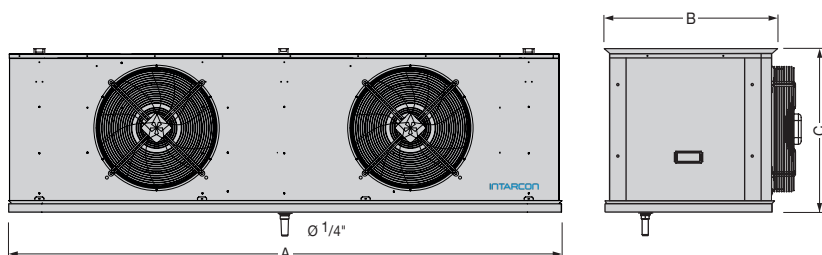
KH series



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

