

JD-NH series – Double-flow air coolers



- ❄ Glycol water.
- ❄ High efficiency coil.
- ❄ Integrated solenoid valve.
- ❄ Pre-wired electronic control (optional).
- ❄ High comfort with low noise level.

Double-flow ceiling-type air-cooled units, with glycol water, equipped with control valves and optional pre-wired electronic control, built in galvanised steel structure and aluminium body with polyester paint.

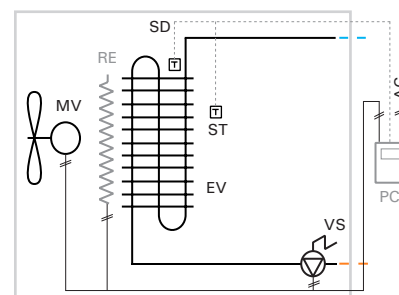
Features

- ▶ 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 insulated condensate tray (except UH- series).
- ▶ Low speed silent axial motor fans.
- ▶ Optimised hydraulic circuit for glycol water.
- ▶ Air defrosting.
- ▶ Threaded hydraulic connections.
- ▶ Solenoid control 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 oil, cold room and defrosting temperature probes.
- ▶ G3 filters on fans.
- ▶ Dehumidification / humidification / heating kit.
- ▶ Anti-corrosion coil coating.

Hydraulic and electrical schematic



- MV: MOTOR FAN
- EV: EVAPORATOR
- AC: POWER SUPPLY
- ST: COLD ROOM PROBE
- SD: DEFROST PROBE
- VS: SOLENOID VALVE
- PC: CONTROL PANEL (OPTIONAL)
- RE: DEFROST HEATER (OPTIONAL)

*Electric defrost (optional)

AJD series is also available with the option of electric defrost, for operation at ambient temperatures between -5°C and 5°C.

The models of the AJD 3 and 4 series that incorporate the optional electric heaters, unlike the rest of the models in the series, require a 400V 3N electrical connection.

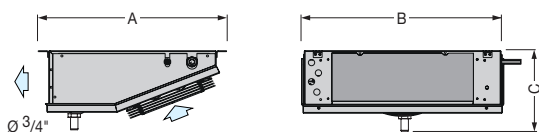
230V 50Hz | High temperature | Positive temperature | Glycol water

Refrigerant	Application	Series / Model	Cooling capacity (W) according to cold room temperature		Coil			Fan				Hydraulic circuit			Electrical defrost		Weight (kg)	SPL dB(A) ⁽¹⁾	
			10 °C / 85 % HR (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	AJD-NH-1 136	2 250	2 100	4	10.4	2.4	1 100	1x Ø 360	85	0.4	2x 4	0.5	24	3/4"	2x 450	3.9	30	33
		AJD-NH-2 236	3 330	3 110	4	18.6	3.8	1 800	2x Ø 360	170	0.8	2x 4	0.8	24	1"	2x 700	6.1	55	36
		AJD-NH-3 336	5 290	4 950	4	34.8	6.9	3 150	3X Ø 360	255	1.1	2x 6	1.4	15	1"	6x 800*	6.9	68	38
		AJD-NH-4 245	8 530	8 010	4	53.7	11.0	5 200	2x Ø 450	280	1.3	2x 6	2.5	25	1 1/4"	6x 1 000*	8.7	85	42
		AJD-NH-4 345	8 820	8 270	4	53.7	11.0	5 700	3x Ø 450	420	1.9	2x 6	2.6	27	1 1/2"	6x 1 000*	8.7	94	44
	Quasistatic	AJD-UH-1 136	1 410	860	6	7.0	2.4	600	1x Ø 360	85	0.2	2x 4	0.2	10	3/4"	2x 450	3.9	30	20
		AJD-UH-2 136	2 420	1 500	6	12.5	3.8	1 000	1x Ø 360	85	0.3	2x 4	0.3	10	3/4"	2x 700	6.1	55	23
		AJD-UH-3 236	4 310	2 610	6	23.4	6.9	1 800	2x Ø 360	170	0.5	2x 6	0.5	10	1"	6x 800*	6.9	68	26
		AJD-UH-4 245	7 350	4 750	6	36.1	11.0	2 900	2x Ø 450	280	1.3	2x 6	1.0	10	1"	6x 1 000*	8.7	85	31

⁽¹⁾ Sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

Dimensions

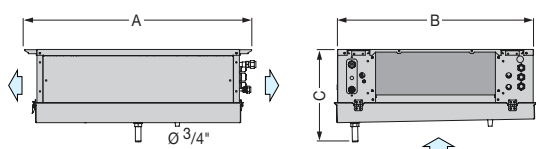
JB series



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.

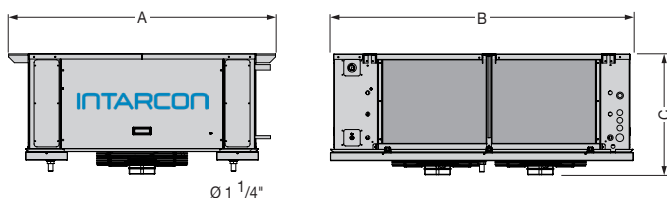
JD series



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.

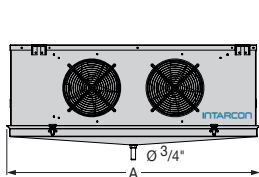
KD series



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.

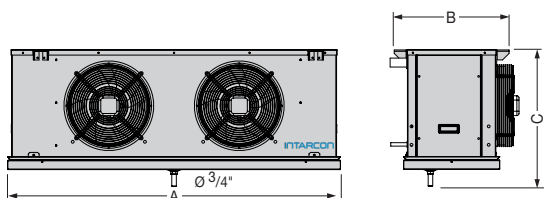
JC series



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.

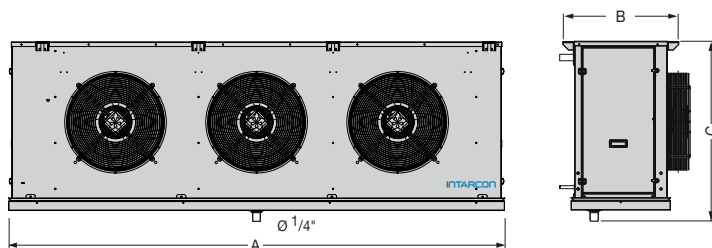
KC series



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.

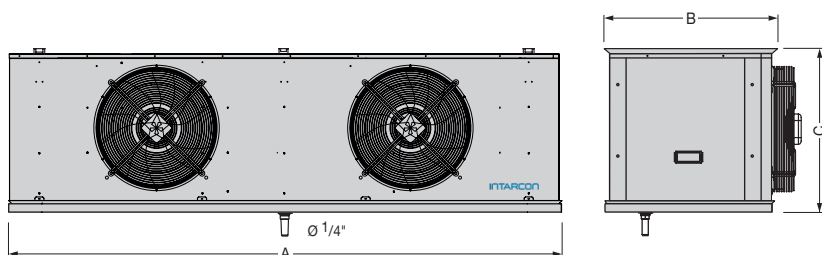
KH series



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

