

JD-NE series – Double-flow CO₂ evaporating units



- ❄ High-efficiency batteries.
- ❄ Electronic expansion valve.
- ❄ 100 % factory tested and adjusted units for the highest performance.
- ❄ Electronic control (optional).
- ❄ High comfort with low noise level.

Double-flow CO₂ evaporating units, in a low-profile design, with built-in control valves, built in galvanised steel structure and aluminium bodywork with polyester paint.

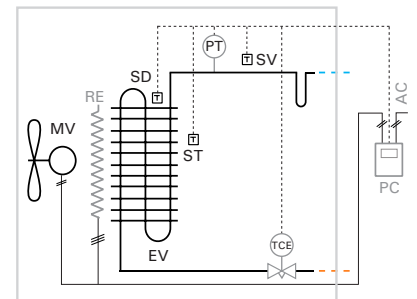
Features

- ▶ 230V 50Hz power supply. Available in 60Hz. Other voltages by request.
- ▶ High efficiency coils, in copper pipes and aluminium fins, with 6 mm fin spacing.
- ▶ Electronic expansion valve.
- ▶ Low-noise and low-speed axial motor fan.
- ▶ Ready-to-solder cooling connections, with built-in suction trap.

Options

- ▶ Electric defrosting by means of heating elements.
- ▶ Hot CO₂ defrosting (consult us).
- ▶ Electric defrosting by means of heating elements. Control panel with electrical protection and electronic control unit for controlling the expansion valve driver, fans and defrosting, and light alarm.
- ▶ Anti-corrosion coil coating.
- ▶ Integrated condensate pump.
- ▶ G3 filters on fans.
- ▶ Humidification / dehumidification / heating kit.

Cooling and electrical schematic



- AC: ELECTRICAL CONNECTION
- EV: EVAPORATOR
- MV: MOTOR FAN
- PT: PRESSURE TRANSDUCER
- SD: DEFROST PROBE
- ST: COLD ROOM PROBE
- SV: EXPANSION VALVE PROBE
- TCE: ELECTRONIC EXPANSION VALVE
- PC: CONTROL PANEL (OPTIONAL)
- RE: DEFROSTING RESISTOR (OPTIONAL)

230V 50Hz | Positive temperature | R-744

Refrigerant	Application	Series / Model	Cooling capacity according to cold room temperature (W)			Coil			Fans			Electrical defrost		Liq-Gas Cooling Connection	Weight (kg)	SPL dB(A) ⁽¹⁾		
			SC2	0 °C	85 % RH	DT1 = 8 K	Fin spacing (mm)	Area (m ²)	Vol. (litres)	Air flow (m ³ /h)	Nx Ø (mm)	Power (W)	I max. (A)				Range (m)	W
R-744	Positive	MJD-NE-1 136	2 570			6	8.2	1.9	1 200	1x Ø 360	85	0.4	2x 4	2x 450	3.9	1/4"-1/4"	30	33
		MJD-NE-2 236	3 850			6	12.5	3.3	2 000	2x Ø 360	170	0.8	2x 4	2x 700	6.1	1/4"-1/4"	55	36
		MJD-NE-3 336	6 700			6	23.4	5.4	3 300	3x Ø 360	255	1.2	2x 4	6x 800*	6.9	1/4"-3/8"	68	38
		MJD-NE-4 245	9 360			6	36.1	8.7	4 400	2x Ø 450	290	1.3	2x 6	6x 1 000*	8.7	3/8"-1/2"	85	42

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

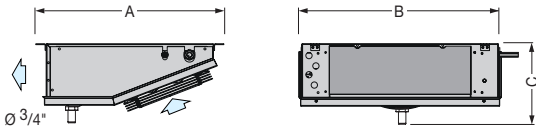
* Electrical heater defrost (as an option)

MJD series are also available featuring electrical heater defrost as an option, for operation at cold room temperature between -5 °C and 5 °C.

MJD models of series 3 and 4, with electrical heater defrost, unlike the others models require 400V 3N power supply.

Dimensions

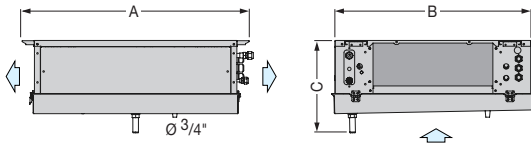
JB-NE series



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.

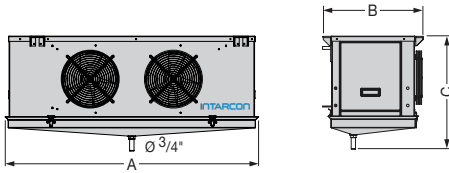
JD-NE series



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.

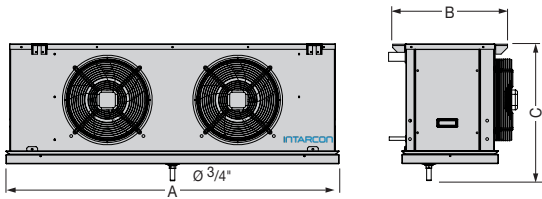
JC-NE series



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.

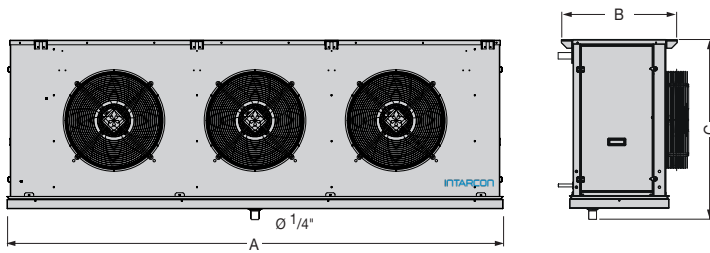
KC-NE series



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.