

# KC-NE series – Cubic type CO<sub>2</sub> evaporating units



- ❄️ High efficiency coils.
- ❄️ Electronic expansion valves and suction siphon.
- ❄️ 100 % factory tested and adjusted units for the highest performance.
- ❄️ Double insulated defrost tray in negative temperature models.

Cubic type CO<sub>2</sub> evaporating unit, with built-in control valves, for high, positive and negative temperature cold rooms, built in galvanised steel shell with polyester coating.

### 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.
- ▶ Double stainless steel draining pan and insulation for negative temperature.
- ▶ Motor fans axial with high air flow.
- ▶ Ready-to-solder refrigeration connections, with built-in suction trap.
- ▶ Flexible drainage resistor (only for negative temperature models).

### Options

- ▶ Electrical heater defrost with heaters inside the coil (change to 400V 3N 50Hz power supply).
- ▶ Hot CO<sub>2</sub> 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.
- ▶ Humidification / dehumidification / heating kit.
- ▶ Anti-corrosion coil coating.

### Electric control panel (optional)

All units can be combined with an advanced multi-function controller, consisting of an electronic board integrated in the control panel and digital control unit.

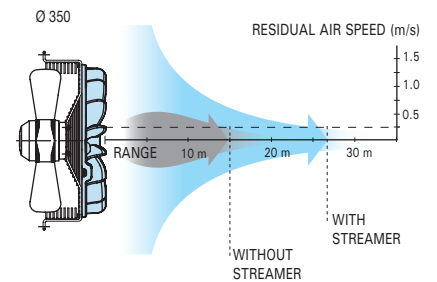


### Electronic expansion valve

The evaporator units are optionally equipped with an electronic pulse expansion valve.

### Long-range fan streamer (optional)

Optionally, a streamer is installed on the fan outlet to get a longer range.

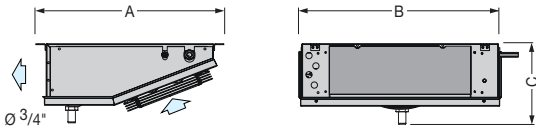


230V 50Hz | Positive temperature | Negative temperature | R-744

Refrigerant	Application	Series / Model	Cooling capacity according to cold room temperature (W) <sup>(1)</sup>			Coil			Fans				Electrical defrost		Liq-Gas Cooling Connection	Weight (kg)	
			SC1	SC2	SC3	Fin spacing (mm)	Area (m <sup>2</sup> )	Vol. (litres)	Air flow (m <sup>3</sup> /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 = 7 K	-25 °C 95 % RH DT1 = 6 K												
R-744	Positive / Negative	MKC-NE-0 135 BKC-NE-0 135	3 790	2 910	2 380	6	9.6	3.2	2 100	1x Ø 350	165	0.7	15	6x 450	3.9	1/4"-1/4"	43
		MKC-NE-1 135 BKC-NE-1 135	4 850	3 790	3 090	6	17.1	5.4	2 700	1x Ø 350	160	0.7	15	6x 700	6.1	1/4"-3/8"	56
		MKC-NE-2 235 BKC-NE-2 235	7 690	5 970	4 870	6	21.2	7.4	4 150	2x Ø 350	325	1.4	15	6x 800	7.0	3/8"-1/2"	72
		MKC-NE-3 235 BKC-NE-3 235	9 540	7 440	6 070	6	31.8	9.6	5 200	2x Ø 350	315	1.4	15	9x 800	10.4	3/8"-1/2"	89
		MKC-NE-3 335 BKC-NE-3 335	11 550	8 950	7 310	6	31.8	9.6	6 200	3x Ø 350	485	2.1	15	9x 800	10.4	3/8"-1/2"	94
		MKC-NE-4 435 BKC-NE-4 435	15 080	11 690	9 540	6	42.4	12.8	8 300	4x Ø 350	645	2.9	15	9x 1 000	13.0	3/8"-1/2"	118

Dimensions

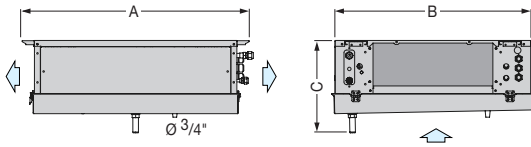
JB-NE series



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.

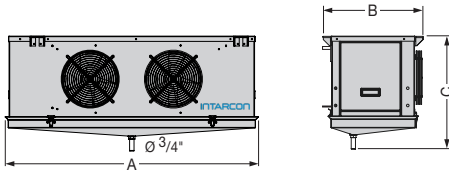
JD-NE series



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.

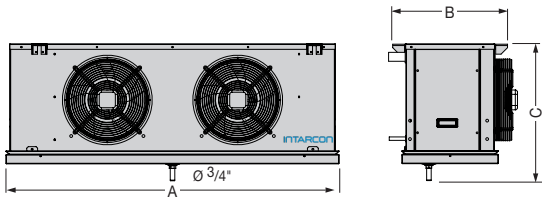
JC-NE series



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.

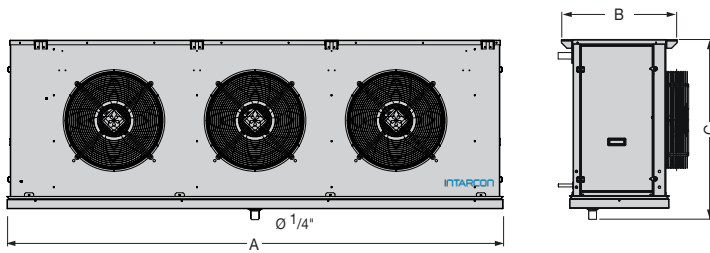
KC-NE series



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.