

KH-NE series – Industrial cubic type CO₂ evaporating units



- ❄ Quick Plug & Play installation.
- ❄ High efficiency batteries optimised for CO₂.
- ❄ Built-in electronic valve pre-set at the factory.

Industrial cubic type CO₂ evaporating units, with built-in control valves and control board, for positive and negative temperature cold rooms, built in galvanised steel structure and bodywork with thermosetting polyester coating.

Features

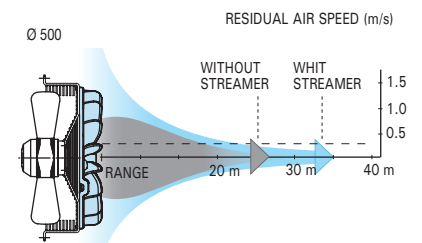
- ▶ 400V 3N 50Hz power supply. Available in 60Hz. Other voltages by request.
- ▶ Air-cooled high efficiency coils, in copper pipes and aluminium fins, with 5, 7 and 10 mm fin spacing.
- ▶ Built-in solenoid valve in liquid line and thermostatic expansion valve.
- ▶ Ready-to-solder refrigeration connections, with built-in suction oil trap.

Options

- ▶ Electric defrosting by means of coil and condensate tray overlapping heating elements.
- ▶ Control panel with electrical protection and electronic control for controlling the expansion valve driver, fans and defrosting, and light alarm.
- ▶ Humidification / dehumidification / heating kit.
- ▶ Anti-corrosion coil coating.

Long-range fan streamer (optional)

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



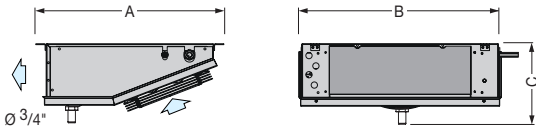
Fan (mm)	Without streamer (m)	With streamer (m)
Ø 450	22	28
Ø 500	26	34

400V 3N 50Hz | **Positive temperature** | **Negative temperature** | Deep-freezing | **R-744**

Refrigerant	Application	Series / Model	Cooling capacity according to cold room temperature (W) ⁽¹⁾			Coil			Fans				Electrical defrost		Liq-Gas Cooling Connection	Weight (kg)	
			SC2 0 °C 85 % RH DT1 = 8 K	SC3 -18 °C 95 % RH DT1 = 7 K	SC4 -25 °C 95 % RH DT1 = 6 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			A
R-744	Positive	MKH-NE-1 145	10 550			5	36	12	4 200	1x Ø 450	0.5	1.1	22	6x 700	6	3/8"-1/2"	72
		MKH-NE-2 150	15 230			5	52	17	6 100	1x Ø 500	0.7	1.4	26	6x 700	6	3/8"-1/2"	93
		MKH-NE-1 245	20 230			5	73	23	8 400	2x Ø 450	1.0	2.1	22	9x 800	10	1/2"-5/8"	99
		MKH-NE-2 250	30 100			5	105	33	12 200	2x Ø 500	1.3	2.8	26	12x 800	14	1/2"-5/8"	132
		MKH-NE-1 345	30 290			5	109	33	12 600	3x Ø 450	1.5	3.2	22	12x 1 000	17	1/2"-5/8"	153
		MKH-NE-2 350	43 340			5	157	48	18 300	3x Ø 500	2.0	4.2	26	15x 1 000	22	5/8"-7/8"	175
		MKH-NE-1 445	40 300			5	145	44	16 800	4x Ø 450	2.0	4.3	22	12x 1 250	22	5/8"-7/8"	197
	MKH-NE-2 450	59 020			5	210	64	24 400	4x Ø 500	2.6	5.6	26	15x 1 250	27	5/8"-7/8"	260	
	Negative	BKH-NE-1 145	9 430	7 530	6 150	7	27	12	4 500	1x Ø 450	0.5	1.1	22	6x 700	6	3/8"-1/2"	70
		BKH-NE-2 150	13 580	10 850	8 860	7	39	17	6 500	1x Ø 500	0.6	1.4	26	6x 700	6	3/8"-1/2"	90
		BKH-NE-1 245	18 230	14 560	11 890	7	54	23	9 000	2x Ø 450	1.0	2.1	22	9x 800	10	3/8"-5/8"	95
		BKH-NE-2 250	26 890	21 480	17 540	7	79	33	13 000	2x Ø 500	1.3	2.8	26	12x 800	14	1/2"-5/8"	127
		BKH-NE-1 345	27 260	21 780	17 780	7	82	33	13 500	3x Ø 450	1.4	3.2	22	12x 1 000	17	1/2"-5/8"	147
		BKH-NE-2 350	38 930	31 100	25 390	7	118	48	19 500	3x Ø 500	1.9	4.2	26	15x 1 000	22	5/8"-7/8"	167
		BKH-NE-1 445	36 200	28 920	23 610	7	109	44	18 000	4x Ø 450	1.9	4.3	22	12x 1 250	22	5/8"-7/8"	189
	BKH-NE-2 450	52 860	42 230	34 470	7	157	64	26 000	4x Ø 500	2.5	5.6	26	15x 1 250	27	5/8"-7/8"	250	
	Deep-freezing	UKH-NE-1 145	7 290	5 830	4 760	10	25	12	4 800	1x Ø 450	0.5	1.1	22	6x 700	6	3/8"-1/2"	70
		UKH-NE-2 150	10 940	8 740	7 130	10	37	17	6 750	1x Ø 500	0.6	1.4	26	6x 700	6	3/8"-1/2"	90
		UKH-NE-1 245	14 710	11 750	9 590	10	50	23	9 600	2x Ø 450	0.9	2.1	22	9x 800	10	3/8"-5/8"	94
		UKH-NE-2 250	21 770	17 400	14 200	10	75	33	13 500	2x Ø 500	1.2	2.8	26	12x 800	14	1/2"-5/8"	126
		UKH-NE-1 345	21 640	17 290	14 110	10	75	33	14 400	3x Ø 450	1.4	3.2	22	12x 1 000	17	1/2"-5/8"	146
		UKH-NE-2 350	32 110	25 650	20 940	10	112	48	20 250	3x Ø 500	1.8	4.2	26	15x 1 000	22	5/8"-7/8"	166
		UKH-NE-1 445	28 560	22 820	18 630	10	99	44	19 200	4x Ø 450	1.9	4.3	22	12x 1 250	22	5/8"-7/8"	187
	UKH-NE-2 450	43 620	34 850	28 450	10	149	64	27 000	4x Ø 500	2.4	5.6	26	15x 1 250	27	5/8"-7/8"	248	

Dimensions

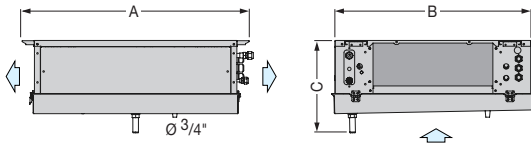
JB-NE series



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.

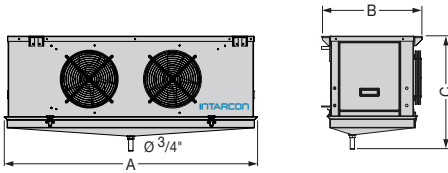
JD-NE series



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.

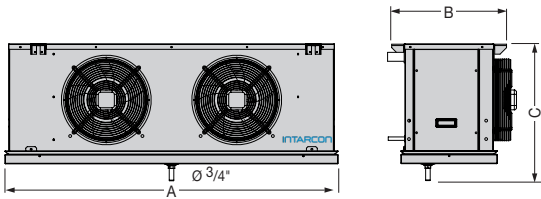
JC-NE series



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.

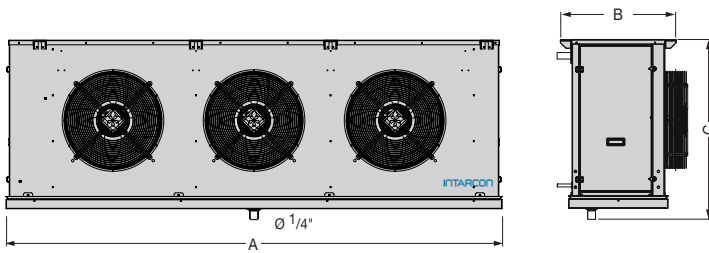
KC-NE series



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.