

ammolite

KJ series – NH₃ direct expansion evaporators



- ❄ Low ammonia charge.
- ❄ Large surface area coils.
- ❄ Easy installation.

Industrial evaporators for large cold rooms with direct expansion of ammonia, built in galvanised sheet steel bodywork with polyester coating.

Features

- ▶ 400V 3N 50Hz power supply. Available in 60Hz. Others voltages by request.
- ▶ Coil of 5/8" stainless steel tubes and aluminium fins, in large exchange surface geometry, with 7 and 10 mm fin spacing.
- ▶ Coolant distributor and suction manifold, optimised for direct expansion of ammonia.
- ▶ Axial motor fans Ø 630 and Ø 800 mm long range.

Ammonia dry expansion

Evaporators designed to work with ammonia in direct expansion, with refrigerant distribution capillaries and suction manifold.

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

The counter-current circuit design facilitates gas reheating.

Thanks to the ammonia-miscible oil, oil return to the compressor occurs naturally during operation.

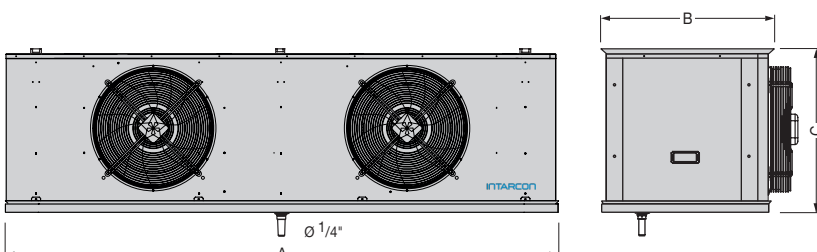
400V 3N 50Hz | **Negative temperatura** | Deep-freezing | **R-717**

Refrigerant	Application	Series / Model	Cooling capacity according to cold room temperature (W)			Coil			Fans				Electrical defrost		Cooling connection Liq-Gas	Weight (kg)	
			SC2 0 °C 85 % RH DT1 = 8K	SC3 -18 °C 95 % RH DT1 = 7K	SC4 -25 °C 95 % RH DT1 = 6K	Fin spacing (mm)	Area (m ²)	Vol. (litres)	Air flow (m ³ /h)	Nx Ø (mm)	Power (kW)	Max. current (A)	Range (m)	kW			A
R-717	Negative	BKJ-NM-1 263	42.3	33.8	27.6	7	243	65	21 500	2x Ø 630	1.8	3.4	35	20	29	DN10 - DN40	325
		BKJ-NM-1 363	63.9	51.0	41.7	7	365	98	32 500	3x Ø 630	2.7	5	35	30	43	DN15 - DN50	475
		BKJ-NM-1 463	81.5	65.1	53.1	7	486	130	43 000	4x Ø 630	3.6	7	35	40	58	DN15 - DN50	625
		BKJ-NM-2 280	72.7	58.1	47.4	7	432	115	38 500	2x Ø 800	3.2	6	45	40	58	DN15 - DN50	575
		BKJ-NM-2 380	109.0	87.0	71.1	7	649	173	57 500	3x Ø 800	4.8	9	45	50	72	DN15 - DN65	825
	Deep-freezing	BKJ-NM-2 480	132.7	106.1	86.6	7	865	230	76 500	4x Ø 800	6.3	12	45	60	87	DN15 - DN65	1 075
		UKJ-NM-1 263	34.7	27.7	22.6	10	176	65	22 000	2x Ø 630	1.8	3.4	35	20	29	DN10 - DN40	325
		UKJ-NM-1 363	52.0	41.5	33.9	10	263	96	33 000	3x Ø 630	2.7	5	35	30	43	DN15 - DN50	475
		UKJ-NM-1 463	66.7	53.3	43.5	10	351	127	44 000	4x Ø 630	3.6	7	35	40	58	DN15 - DN50	625
		UKJ-NM-2 280	59.5	47.5	38.8	10	312	114	39 500	2x Ø 800	3.2	6	45	40	58	DN15 - DN50	575
UKJ-NM-2 380	89.2	71.3	58.2	10	468	171	59 000	3x Ø 800	4.8	9	45	50	72	DN15 - DN65	825		
UKJ-NM-2 480	109.0	87.1	71.1	10	624	228	78 500	4x Ø 800	6.3	12	45	60	87	DN15 - DN65	1 075		

Options

- ▶ Defrosting by imbricated heating elements.
- ▶ Hot glycol defrosting.
- ▶ Anti-corrosion coating of coil.

Dimensions



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