



Air forced low-speed Dual Evaporator



856 a 10.498 Kcal/h
996 a 12.207 W



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996 a 12.207 W

For cameras up to 4 meters in height

Benefits

Revolution in the Bv line with excellent performance and innovations that facilitate installation, operation, and maintenance with a harmonious and clean design, with capacities ranging from 997 to 12,207 W across 8 models from 1 to 8 fans.

What's new?

- Innovative project with tool-free access.
- Side closures with tilting mechanism and retention by springs.
- Inclined, reversible, and tilting condensation collecting tray.
- Side connection for condensation drain
- Quick access to defrost resistances.
- Easy access to expansion valves and electrical connectors

Value the application

- Food and Beverages
Convenience stores, supermarkets, snack bars, bars, restaurants, kitchens, bakeries, butcher shops, ice cream parlors, breweries, industrial kitchens, wine cellars
- Pharmaceuticals
Vaccine storage, medication, blood banks, and supplies conservation
- Hospital
Facilities Kitchens, organ and waste chambers
- Industries
Food, paints and varnishes, glass, resins and solvents, beverages, meats, and fish

Value maintenance

- Full and easy opening by tilting for access to the interior of the equipment without the use of tools and, primarily, without removing parts, thus ensuring safety for operation, adjustments, maintenance, and cleaning
- Reversible and tilting drip tray with inclined edges for perfect water drainage
- Exclusive ventilation assembly - lightweight, robustness, and efficiency
- Side tilting covers with spring retention for easy access to the expansion valve, pressure outlet, and electrical connectors
- Spring-loaded electrical connectors ensure quick installation and safe operation

Evaporator of forced air at low speed



What's new?

- Lightweight, redesigned, rugged-style, highly efficient, and low-energy consumption with superior finishing standards that harmonize with its installation
- Ceiling-mounted installation, without space for dirt accumulation, complying with European standards
- Full and easy opening by tilting for access to the equipment's interior without the use of tools and, mainly, without removing parts, ensuring safety for operation, adjustments, maintenance, and cleaning
- Side tilting covers with spring retention for easy access to the expansion valve, pressure port, and electrical connectors
- Spring-loaded electrical connectors ensure quick installation and safe operation
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- Reversible and tilting drip tray with inclined edges for perfect water drainage
- Drainage piping on the side of the equipment facilitates installation without taking up space in the refrigerated environment
- Enables clean, fast, and safe installation while also adding aesthetic value

Value maintenance

- Total and easy opening by tilting for access to the interior of the equipment without the use of tools and, most importantly, without the removal of parts, thus ensuring safety for operation, adjustments, maintenance, and cleaning.
- Reversible and tiltable drip tray with inclined edges for perfect water drainage
- Exclusive ventilation unit - lightness, robustness, and efficiency
- Side tilting covers with spring retention for easy access to the expansion valve, pressure tap, and electrical connectors
- Spring-loaded electrical connectors ensure quick installation and safe operation

Benefits

The high-energy-efficiency Bv250 evaporator features a robust, modern design that harmonizes with the refrigerated environment. It was conceived with a focus on high performance, quality, safety, and operational convenience, utilizing the best concepts and practices of sustainability throughout the entire value chain

Benefits

- Renovated design, robust style, high efficiency, and low energy consumption with superior finishing standards that harmonize with its installation
- Compact, quiet equipment with excellent use of space and integrated with the refrigerated interior space
- Ceiling-mounted installation, with no space for dirt accumulation, meeting European standards
- Full and easy opening by tilting for access to the interior of the equipment without the use of tools and, mainly, without removing parts, thus ensuring safety for operation, adjustments, maintenance, and cleaning.
- Reversible and tilting drip tray with inclined edges for perfect water drainage
- Exclusive ventilation assembly - lightweight, sturdy, and efficient
- Side tilting lids with spring retention for easy access to the expansion valve, pressure tap, and electrical connectors
- Spring-loaded electrical connectors ensure quick installation and safe operation

Characteristics

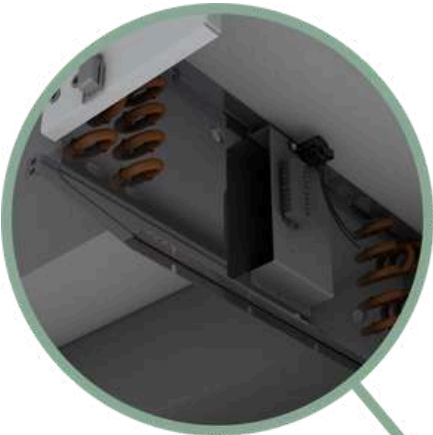
- Copper tubes and corrugated, high thermal transfer aluminum fins
- Spacing between fins of 4.2mm
- Direct expansion with connection for expansion valve with SAE 1/2" threaded connection
- Cabinet in flattened and smooth aluminum
- AC balanced motor fans for operation in low temperatures.
- Standardized electrical connectors with spring technology
- Non-metallic components made of flame-retardant materials.

Characteristics

- Electric defrost resistant with built-in safety thermostat
- 1 or 2-speed electronic motors
- Cabinet with white electrostatic paint
- Exclusive protection for aggressive environments
- Stainless steel cabinet
- With built-in expansion valves and solenoid
- Hot gas defrost
- Mixed defrost (hot gas and electric in the drip tray)

Exclusive Advantages

Quick access to the electrical panel and valves



Ample access to fan sets and indoors



Reversal of the tray to the optimal drain position

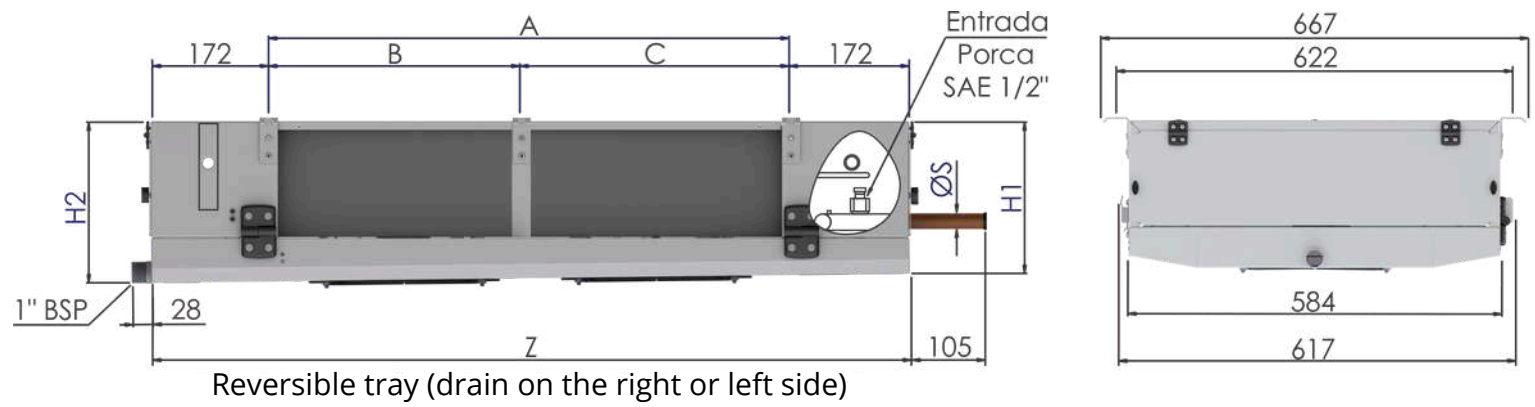



Fully articulated through hinges



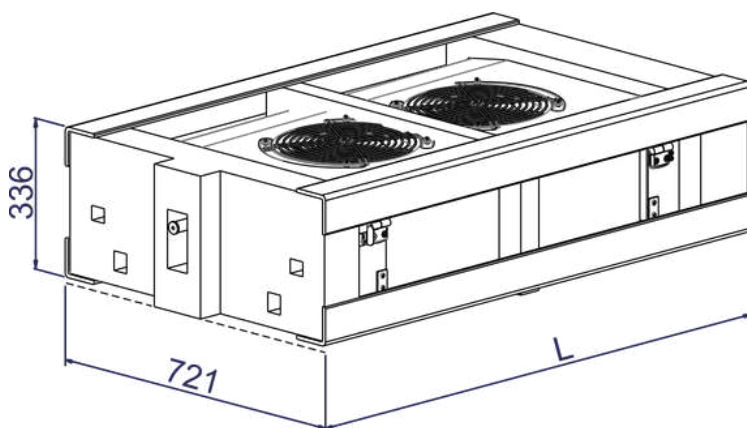
Full opening of the water collecting tray by tilting without the use of tools

Dimensional



Model		Dimensional (mm)							Weight (Kg)	
		A	B	C	Z	H1	H2	Ø S	Net	
0013	1	389	-	-	728	216	231	1/2"	11,8	
0026	2	752	-	-	1092	216	231	7/8"	17,8	
0037	3	1115	-	-	1455	216	236	7/8"	26,2	
0052	4	1478	-	-	1815	216	241	7/8"	29,2	
0064	5	1842	934	907	2180	216	246	7/8"	36	
0077	6	2204	1115	1089	2540	216	251	1"	42,4	
0086	7	2568	1296	1271	2905	216	261	1"	48	
0101	8	2932	1478	1452	3270	216	266	1"	55,2	

Packaging



Model		(mm)	Weight (Kg)
		L	Gross
0013	1	895	14,2
0026	2	1260	20,8
0037	3	1620	29,8
0052	4	1984	34,2
0064	5	2347	42,2
0077	6	2710	49,8
0086	7	3073	55,8
0101	8	3436	63,6

Capacities • AC motor fan

Model	Kcal/h									
	Evaporation temperatures									
	-31 °F -35 °C	-22 °F -30 °C	-13 °F -25 °C	-4 °F -20 °C	5 °F -15 °C	14 °F -10 °C	23 °F -5 °C	32 °F 0 °C	41 °F 5 °C	41 °F 5 °C
0013	856	906	947	1007	1037	1088	1138	1209	1259	1309
0026	1738	1804	1922	2045	2106	2209	2311	2454	2556	2658
0037	2530	2679	2798	2977	3066	3215	3364	3572	3721	3870
0052	3504	3711	3875	4123	4247	4453	4659	4947	5154	5360
0064	4366	4622	4828	5136	5290	5547	5804	6163	6420	6677
0077	5215	5522	5767	6135	6319	6626	6933	7362	7669	7976
0086	5821	6163	6437	6848	7054	7396	7739	8218	8560	8903
0101	6864	7268	7591	8075	8318	8721	9125	9690	10094	10498

Capacities • Electronics fan

Model	Watts									
	Evaporation temperatures									
	-31 °F -35 °C	-22 °F -30 °C	-13 °F -25 °C	-4 °F -20 °C	5 °F -15 °C	14 °F -10 °C	23 °F -5 °C	32 °F 0 °C	41 °F 5 °C	41 °F 5 °C
0013	996	1054	1101	1171	1206	1265	1323	1405	1464	1523
0026	2021	2140	2235	2378	2449	2568	2687	2853	2972	3091
0037	2942	3115	3254	3462	3565	3738	3912	4154	4327	4500
0052	4075	4315	4506	4794	4938	5178	5417	5753	5993	6232
0064	5076	5375	5614	5972	6151	6450	6748	7166	7465	7764
0077	6064	6421	6706	7134	7348	7705	8062	8561	8918	9070
0086	6769	7167	7485	7963	8202	8600	8998	9556	9954	10352
0101	7981	8451	8826	9390	9672	10141	10611	11268	11737	12207

Correction factor for refrigerant gases

R22	R134A	R404A	R407C	R410A
1	1,01	0,983	0,98	0,95


Capabilities (DT=10,8°F / DT1=6°K)

(*) Same capabilities for 50Hz and 60Hz. Capacity in R-22, other refrigerants, NH3 or CO2, contact us.


Dt1: Difference between the air inlet temperature at the evaporator and the refrigerant evaporation temperature. °K=Kelvin Degrees °F=Fahrenheit Degrees

The air inlet temperature at the evaporator is considered the chamber temperature approximately

Electrical characteristics • AC fan motor

Model		S	R	V	C	N	AC motor			Defrosting			
		m ²	m ² /m ²	dm ³	Refr. Kg	Db(A) 1m	Flow rate m ³ /h	1 ~ 220V		W	1~ 220V	3~ 220V	3~ 380V
								W	A		A	A	A
0013	1	6,04	13,89	1,5	0,3	50	1 x 1000	65	0,45	2x600	5,4	3,15d	1,60d
0026	2	12,07	13,89	2,5	0,5	53	2 x 1000	130	0,9	2x1200	10,9	6,30d	3,10d
0037	3	18,11	13,89	3,5	0,7	55	3 x 1000	195	1,35	2x1200	10,9	6,30d	4,70d
0052	4	24,15	13,89	4,5	0,9	56	4 x 1000	260	1,8	2x1600	14,5	8,40d	6,20d
0064	5	30,19	13,89	5,5	1,1	57	5 x 1000	325	2,25	2x2000	18,2	10,50d	7,80d
0077	6	36,22	13,89	6,6	1,32	58	6 x 1000	390	2,7	2x2400	21,9	12,60d	9,30d
0086	7	42,26	13,89	7,7	1,54	59	7 x 1000	455	3,15	2x2800	25,4	14,70d	10,90d
0101	8	48,3	13,89	8,6	1,72	60	8 x 1000	520	3,6	2x3200	29,1	16,80d	12,40d

Electrical Characteristics • Electronic fan motor

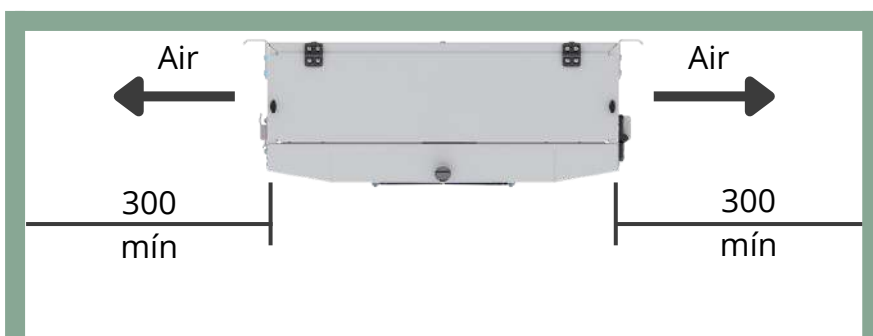
Model		S	R	V	C	N	EC Motor			Defrosting			
		m ²	m ² /m ²	dm ³	Refr. Kg	Db(A) 1m	Flow rate m ³ /h	1 ~ 220V		W	1~ 220V	3~ 220V	3~ 380V
								W	A		A	A	A
0013	1	6,04	13,89	1,5	0,3	50	1 x 1000	24	0,2	2x600	5,4	3,15d	1,60d
0026	2	12,07	13,89	2,5	0,5	53	2 x 1000	48	0,4	2x1200	10,9	6,30d	3,10d
0037	3	18,11	13,89	3,5	0,7	55	3 x 1000	72	0,6	2x1200	10,9	6,30d	4,70d
0052	4	24,15	13,89	4,5	0,9	56	4 x 1000	96	0,8	2x1600	14,5	8,40d	6,20d
0064	5	30,19	13,89	5,5	1,1	57	5 x 1000	120	1	2x2000	18,2	10,50d	7,80d
0077	6	36,22	13,89	6,6	1,32	58	6 x 1000	144	1,2	2x2400	21,9	12,60d	9,30d
0086	7	42,26	13,89	7,7	1,54	59	7 x 1000	168	1,4	2x2800	25,4	14,70d	10,90d
0101	8	48,3	13,89	8,6	1,72	60	8 x 1000	192	1,6	2x3200	29,1	16,80d	12,40d

Subtitles

- S = total area of heat exchange • R = Ratio of secondary exchange surface to primary exchange surface • V = Internal volume • C = Approximate refrigerant charge • m³/h = Air flow measured at a density of 1.2 M³/Kg • N = Noise level obtained under open field conditions at a distance of 1 meter.
- d = Unbalanced consumption.

Connectors resistant to temperature variations, vibration, and shock. Spring connection technology reduces the time for electrical installations without the need for special tools. Standardized electrical components.

Installation



After installation, check the equipment's leveling for perfect water drainage

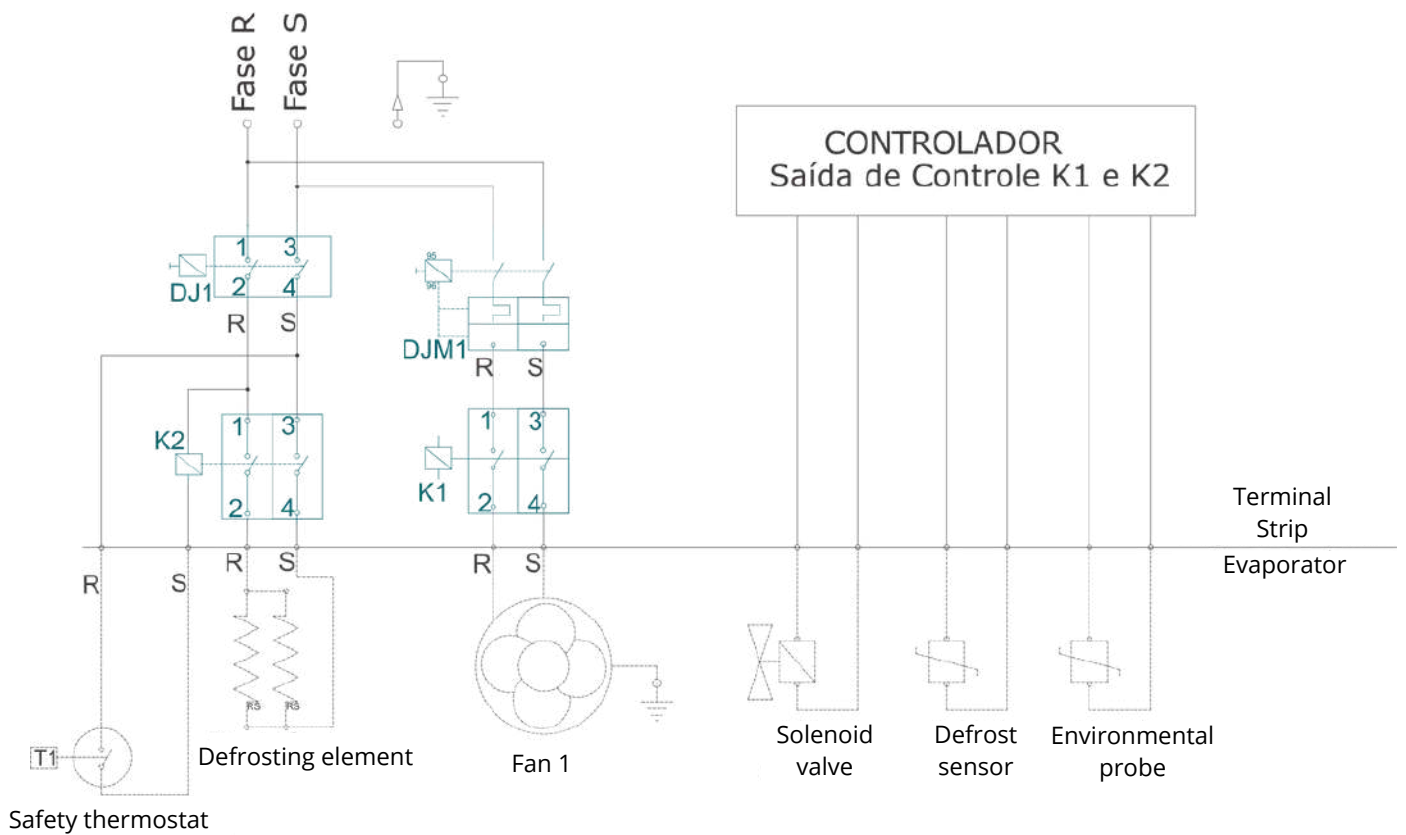
Arrow of Air



Range of the projectile with a final velocity of 0.25 m/s. The final velocity is obtained under open field conditions. The range of the projectile cannot be considered as an absolute value, due to many factors that influence this distance

How to Buy

Model	Description	Available Options
BV2		Low-Speed Forced Air Evaporator
B	Spacing between fins	B • 4,2mm
E	Defrosting	A • Aire E • Eléctrico en el núcleo y en la bandeja G • Gas caliente H • Gas caliente en el núcleo y eléctrico en la bandeja
0013	Model	0013 a 0101
C	Tube	B • Cobre para Co2 C • Cobre
A	Connection	A • Direct Expansion Threaded Connection (SAE) B • Direct Expansion Weld Connection C • Hydronic - 2 Collectors Weld Connection D • Hydronic - 2 Collectors Flanged Connection E • Hydronic - 2 Collectors Threaded Connection (BSP) F • Hydronic - 2 Threaded Collectors (Al)
00	Accessories	00 • No accessories 10 • 01 + 02 + 03 01 • Expansion Valve 11 • 01 + 02 02 • Solenoid Valve 12 • 02 + 03 03 • Drain Resistance 13 • 01 + 03
A	Finishing	A • Aluminum cabinet B • Smooth aluminum cabinet with N1 protection on the fins C • Smooth aluminum cabinet with N2 protection on the fins D • White epoxy painted aluminum cabinet E • White epoxy painted aluminum cabinet with N1 protection on the fins F • White epoxy painted aluminum cabinet with N2 protection on the fins J • Stainless steel cabinet K • Stainless steel cabinet with N1 protection on the fins L • Stainless steel cabinet with N2 protection on the fins
MAC	Motor	MAC • AC Motor fan M1V • Single-speed electronic motor fan M2V • Two-speed electronic motor fan
G	Voltage and Frequency	G • Motor = 230V/1F/50Hz N • Motor = 230V/1F/60Hz
1	Packaging	1 • Crate 2 • Wooden box



Subtitles:

R = Phase 1

S = Phase 2

T = Phase 3

PP = Thermal Protector

K1 = Fan Contactor

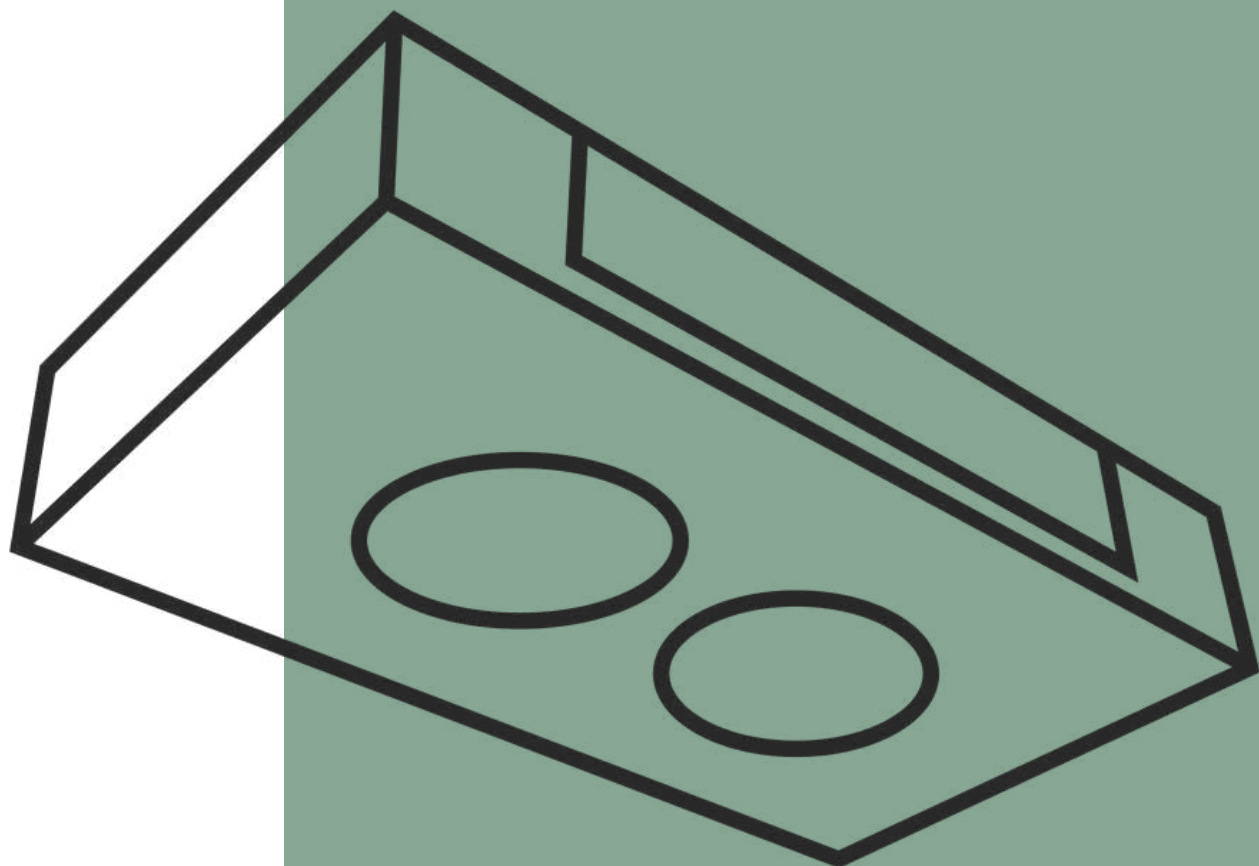
K2 = Resistance Contactor

DJ = Circuit Breaker

DJM = Motor Circuit Breaker

Attention:

- To size the installation components, refer to the data tables in the catalog
- To change the factory power supply, contact engineering.
- The safety thermostat must be connected in series with the contactor coil and controller activation
- Always use ground wire



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