MIPAL
Technology and Trust

Medium/High profile
High flow rate

Forced air evaporator

Hd 500

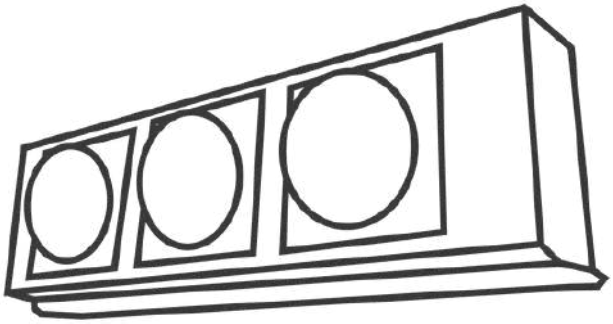
4.864 a 74.954 Kcal/h
5.656 a 87.156 W

january- 2023

Hd 500

4.864 a 74.954 Kcal/h
5.656 a 87.156 W

Air Evaporator Medium
High Profile



For cameras up to 8m in height

Benefits

- Greater thermal and energy efficiency
- High airflow
- Longer lifespan of the motor-fan unit
- Adaptable to all refrigerants
- Wider capacity range
- Standard electronic motors
- Plug & Play concept:
  Ease of installation and operation
- Tilting tray
- Tilting motor-fans
- Built-in thermal protector
- Inclined hood to prevent condensation splashes
- Electric defrost system with quick response
- Electrical assemblies standardized (NBR5410)
- 2 levels of protection against aggressive environments Mcoat

Standard Version

- 5/8" outer diameter copper tubes
- Aluminum fin spacing of 4.5mm (A) and 8mm (B)
- Smooth planar aluminum tray
- Smooth planar aluminum cabinet
- Air defrost
- 500mm electronic fan motor

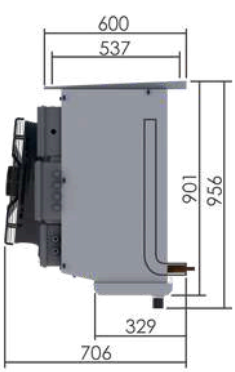
Options

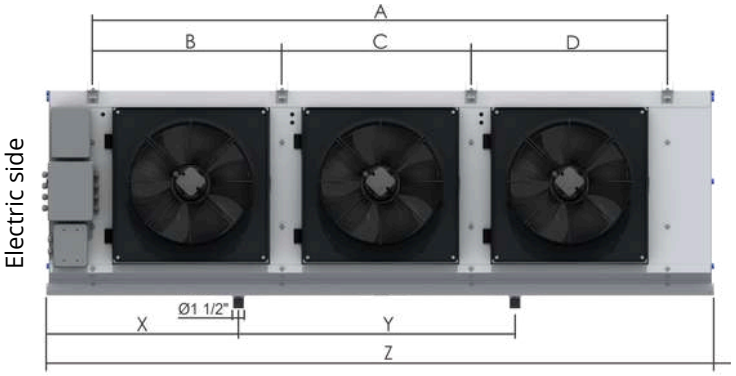
- Copper tubes and aluminum fins (Cu/Al) for CO2
- Aluminum tubes and fins (Al/Al) with circuits for R717 (NH3) or glycol solutions
- Copper tubes and aluminum fins (Cu/Al) with circuits for chilled water and glycol solutions
- Cabinet and tray with white epoxy electrostatic painting
- Electric defrost
- Hot gas in the evaporator and tray
- Double tray with intermediate insulation
- Stainless steel cabinet
- Hot gas in the evaporator and resistance in the tray
- Mcoat Anti-corrosion treatment for aggressive atmospheres at two levels

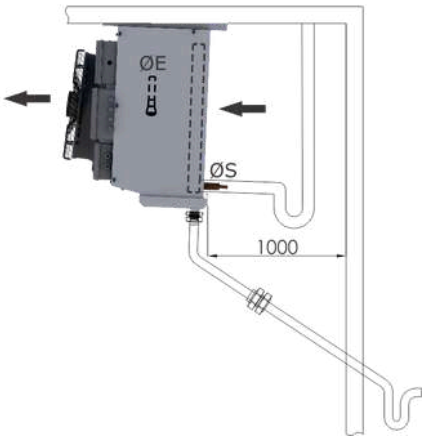
Applications

Dairy
Meats
Agribusiness
Beverages
Wholesale and Retail
Pharmaceutical
Food
Industrial

Dimensional

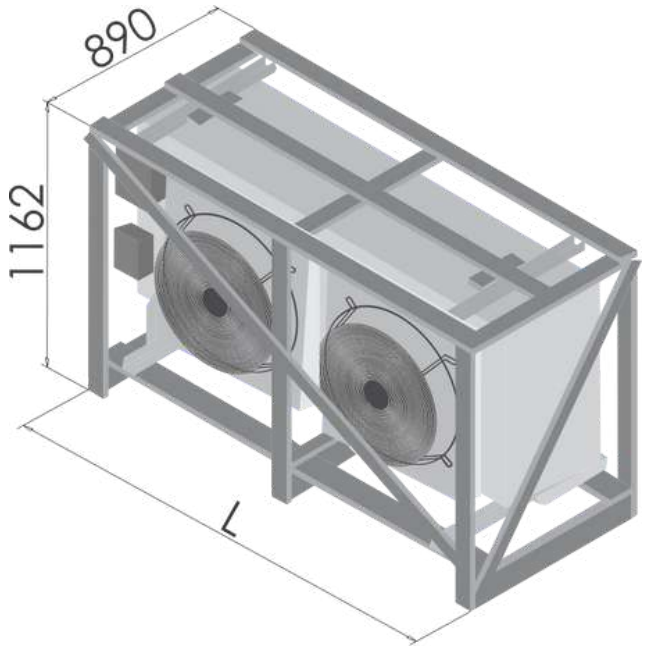






Model			Dimensional (mm)									Weight (Kg)	
A	B		A	B	C	D	Z	ØE	ØS	X	Y	Net (A)	Net (B)
0106	0091	1	830	-	-	-	1224	1/2"	1 1/8"	612	-	51,0	44,0
0117	0102	1	830	-	-	-	1224	1/2"	1 1/8"	612	-	54,0	47,0
0124	0108	1	830	-	-	-	1224	1/2"	1 1/8"	612	-	58,0	50,0
0212	0182	2	1630	800	-	830	2024	5/8"	1 1/8"	1012	-	101,0	86,0
0234	0204	2	1630	800	-	830	2024	5/8"	1 3/8"	1012	-	108,0	93,0
0247	0218	2	1630	800	-	830	2024	5/8"	1 3/8"	1012	-	115,0	100,0
0318	0274	3	2430	800	800	830	2824	5/8"	1 3/8"	1412	-	151,0	129,0
0351	0306	3	2430	800	800	830	2824	5/8"	1 3/8"	1412	-	162,0	140,0
0371	0326	3	2430	800	800	830	2824	5/8"	1 3/4"	1412	-	172,0	151,0
0468	0407	4	3230	800	800(2x)	830	3624	7/8"	1 3/4"	1012	1600	216,0	187,0
0494	0435	4	3230	800	800(2x)	830	3624	7/8"	2 1/8"	1012	1600	231,0	201,0
0585	0509	5	4030	800	800 (3x)	830	4424	7/8"	2 1/8"	1312	1800	270,0	234,0
0618	0544	5	4030	800	800 (3x)	830	4424	7/8"	2 1/8"	1312	1800	289,0	252,0
0703	0611	6	4830	800	800 (4x)	830	5224	7/8"	2 1/8"	1512	2200	325,0	281,0
0742	0653	6	4830	800	800 (4x)	830	5224	7/8"	2 1/8"	1512	2200	346,0	302,0

Packaging



Model			L	Weight (Kg)	
A	B			Net (A)	Net (B)
0106	0091	1	1340	62,2	52,8
0117	0102	1	1340	64,8	56,4
0124	0108	1	1340	69,6	60,0
0212	0182	2	2130	121,2	103,2
0234	0204	2	2130	129,6	111,6
0247	0218	2	2130	138,0	120,0
0318	0274	3	2920	181,2	154,8
0351	0306	3	2920	194,4	168,0
0371	0326	3	2920	206,4	181,2
0468	0407	4	3710	259,2	224,4
0494	0435	4	3710	277,2	241,2
0585	0509	5	4500	324,0	280,8
0618	0544	5	4500	346,8	302,4
0703	0611	6	6000	390,0	337,2
0742	0653	6	6000	415,2	362,4

Capabilities • EC Motor Fan

	Kcal/h									Watts								
	Evaporation temperatures																	
Model A	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC
0106	5883	6642	7306	8065	8729	9488	9773	10437	10721	6840	7723	8495	9378	10150	11032	11363	12136	12467
0117	6493	7331	8064	8902	9635	10473	10787	11520	11834	7550	8524	9377	10351	11203	12179	12543	13395	13761
0124	6854	7739	8513	9397	10171	11055	11387	12161	12492	7970	8998	9898	10927	11826	12855	13241	14140	14526
0212	11765	13283	14611	16129	17458	18976	19545	20873	21443	13680	15445	16990	18755	20300	22065	22727	24271	24933
0234	12986	14662	16128	17804	19270	20946	21574	23040	23669	15100	17049	18754	20702	22407	24355	25086	26791	27522
0247	13708	15477	17025	18794	20342	22110	22774	24321	24985	15940	17997	19797	21853	23653	25710	26481	28281	29052
0318	17648	19925	21917	24194	26187	28464	29318	31310	32164	20520	23168	25485	28133	30450	33097	34090	36407	37400
0351	19479	21993	24192	26706	28905	31418	32361	34560	35503	22650	25573	28130	31053	33610	36533	37629	40186	41282
0371	20563	23216	25538	28191	30512	33166	34161	36482	37477	23910	26995	29695	32780	35479	38565	39722	42421	43578
0468	25973	29324	32256	35608	38540	41891	43891	46080	47337	30201	34097	37507	41404	44814	48711	50172	53582	55043
0494	27417	30955	34050	37588	40683	44221	45547	48643	49970	31880	35994	39593	43707	47306	51420	52962	56561	58104
0585	32466	36655	40320	44509	48175	52364	53935	57600	59171	37751	42622	46884	51755	56017	60888	62715	66977	68804
0618	34271	38693	42563	46985	50854	55276	56934	60804	62462	39850	44992	49491	54633	59132	64274	66203	70702	72630
0703	38959	43986	48384	53411	57810	62837	64722	69120	71006	45301	51146	56261	62106	67221	73066	75258	80373	82565
0742	41125	46432	51075	56382	61025	66331	68321	72964	74954	47820	53991	59390	65560	70959	77129	79443	84842	87156

	Kcal/h									Watts								
	Evaporation temperatures																	
Model B	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC
0091	5059	5712	6283	6936	7507	8160	8404	8976	9220	5883	6642	7306	8065	8729	9488	9773	10437	10721
0102	5649	6378	7016	7745	8382	9111	9385	10022	10296	6569	7416	8158	9005	9747	10595	10912	11654	11972
0108	6032	6810	7491	8269	8950	9729	10020	10701	10993	7014	7919	8710	9615	10407	11312	11652	12444	12783
0182	10118	11423	12566	13871	15014	16319	16809	17951	18441	11765	13283	14611	16129	17458	18976	19545	20873	21443
0204	11298	12756	14031	15489	16765	18223	18769	20045	20592	13137	14832	16316	18011	19494	21189	21825	23308	23944
0218	12063	13620	14982	16539	17901	19457	20041	21403	21987	14027	15837	17421	19231	20815	22625	23303	24887	25566
0274	15177	17135	18849	20807	22521	24479	25213	26927	27661	17648	19925	21917	24194	26187	28464	29318	31310	32164
0306	16947	19134	21047	23234	25147	27334	28154	30067	30887	19706	22249	24473	27016	29241	31784	32737	34962	35916
0326	18095	20430	22473	24808	26851	29186	30061	32104	32980	21041	23756	26131	28846	31222	33937	34955	37331	38349
0407	22596	25512	28063	30979	33530	36445	37539	40090	41183	26275	29665	32631	36022	38988	42378	43650	46616	47887
0435	24127	27240	29964	33077	35801	38914	40082	42806	43973	28054	31674	34842	38462	41629	45249	46607	49774	51132
0509	28245	31890	35079	38723	41912	45557	46923	50112	51479	32843	37081	40789	45027	48735	52973	54562	58270	59859
0544	30159	34050	37455	41346	44751	48643	50102	53507	54966	35068	39593	43552	48077	52037	56561	58258	62218	63914
0611	33894	38268	42094	46468	50295	54668	56308	60135	61775	39412	44497	48947	54032	58482	63567	65474	69924	71831
0653	36190	40860	44946	49616	53702	58371	60123	64209	65960	42082	47512	52263	57693	62444	67874	69910	74661	76697

Capabilities (DT=10,8ºF / DT1=6ºK)

(*) Same capabilities for 50Hz and 60Hz. Capacity in R-22.
Dt1: Difference between the air inlet temperature at the evaporator and the refrigerant evaporation temperature. ºK=Kelvin Degrees ºF=Fahrenheit Degrees The air inlet temperature at the evaporator is considered approximately the chamber temperature.

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

Electrical characteristics • EC motor-fan

Model A		Motor-driven fans					Electric resistances		
		Flow rate m³/h	3 ~ 230V		3 ~ 400V		W	3 ~ 220V	3 ~ 380V
			W	A	W	A		A	A
0106	1	1 x 9950	1000	3,40	980	1,60	6x1500	23,60	13,70
0117	1	1 x 9750	1000	3,40	980	1,60	9x1500	35,50	20,50
0124	1	1 x 9650	1000	3,40	980	1,60	9x1500	35,50	20,50
0212	2	2 x 9950	2000	6,80	1960	3,20	6x3000	47,30	27,40
0234	2	2 x 9750	2000	6,80	1960	3,20	9x3000	70,90	41,10
0247	2	2 x 9650	2000	6,80	1960	3,20	9x3000	70,90	41,10
0318	3	3 x 9950	3000	10,20	2940	4,80	6x4500	70,90	41,10
0351	3	3 x 9750	3000	10,20	2940	4,80	9x4500	106,40	61,60
0371	3	3 x 9650	3000	10,20	2940	4,80	9x4500	106,40	61,60
0468	4	4 x 9750	4000	13,60	3920	6,40	12x4500	141,90	82,10
0494	4	4 x 9650	4000	13,60	3920	6,40	12x4500	141,90	82,10
0585	5	5 x 9750	5000	17,00	4900	8,00	15x4500	177,40	102,70
0618	5	5 x 9650	5000	17,00	4900	8,00	15x4500	177,40	102,70
0703	6	6 x 9750	6000	20,40	5880	9,60	18x4500	212,80	123,20
0742	6	6 x 9650	6000	20,40	5880	9,60	18x4500	212,80	123,20

Same values for 50Hz and 60Hz

Model B		Motor-driven fans					Electric resistances		
		Flow rate m³/h	3 ~ 230V		3 ~ 400V		W	3 ~ 220V	3 ~ 380V
			W	A	W	A		A	A
0091	1	1 x 10000	1000	3,40	980	1,60	4x1500	15,76	9,13
0102	1	1 x 9800	1000	3,40	980	1,60	5x1500	19,71	11,41
0108	1	1 x 9700	1000	3,40	980	1,60	6x1500	23,65	13,69
0182	2	2 x 1000	2000	6,80	1960	3,20	4x3000	31,53	18,25
0204	2	2 x 9800	2000	6,80	1960	3,20	5x3000	39,41	22,82
0218	2	2 x 9700	2000	6,80	1960	3,20	6x3000	47,29	27,38
0274	3	3 x 10000	3000	10,20	2940	4,80	4x4500	47,29	27,38
0306	3	3 x 9800	3000	10,20	2940	4,80	5x4500	59,12	34,23
0326	3	3 x 9700	3000	10,20	2940	4,80	6x4500	70,94	41,07
0407	4	4 x 10000	4000	13,60	3920	6,40	6x4500	70,94	41,07
0435	4	4 x 9800	4000	13,60	3920	6,40	9x4500	106,41	61,61
0509	5	5 x 9800	5000	17,00	4900	8,00	9x4500	106,41	61,61
0544	5	5 x 9700	5000	17,00	4900	8,00	9x4500	106,41	61,61
0611	6	6 x 9800	6000	20,40	5880	9,60	9x4500	106,41	61,61
0653	6	6 x 9700	6000	20,40	5880	9,60	9x4500	106,41	61,61

Same values for 50Hz and 60Hz

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

Capacities • AC Motor Fan

	Kcal/h									Watts								
	Evaporation temperatures																	
Model A	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC
0106	5656	6386	7025	7755	8393	9123	9397	10035	10309	6577	7426	8168	9017	9759	10608	10926	11669	11987
0117	6243	7049	7754	8560	9264	10070	10372	11077	11379	7260	8197	9016	9953	10773	11709	12061	12880	13232
0124	6591	7441	8185	9036	9780	10630	10949	11693	12012	7663	8652	9518	10506	11372	12360	12731	13597	13967
0212	11313	12772	14049	15509	16786	18246	18793	20071	20618	13154	14851	16337	18034	19519	21216	21853	23338	23974
0234	12487	14098	15508	17119	18529	20140	20744	22154	22758	14520	16393	18032	19906	21545	23419	24121	25760	26463
0247	13181	14882	16370	18071	19559	21260	21898	23386	24024	15327	17305	19035	21013	22743	24721	25463	27193	27935
0318	16969	19158	21074	23264	25179	27369	28190	30106	30927	19731	22277	24505	27051	29278	31824	32779	35007	35962
0351	18730	21147	23262	25679	27793	30210	31116	33231	34137	21779	24590	27048	29859	32318	35128	36182	38641	39695
0371	19772	22323	24555	27107	29339	31890	32847	35079	36036	22990	25957	28553	31519	34115	37081	38194	40790	41902
0468	24974	28196	31016	34238	37058	40280	41488	44308	45516	29039	32786	36065	39812	43090	46837	48242	51521	52926
0494	26362	29764	32740	36142	39118	42520	43796	46772	48048	30654	34609	38070	42026	45487	49442	50925	54386	55869
0585	31217	35245	38770	42798	46322	50350	51861	55385	56896	36299	40983	45081	49765	53863	58547	60303	64401	66158
0618	32953	37205	40926	45178	48898	53150	54745	58465	60060	38317	43262	47588	52532	56858	61802	63656	67983	69837
0703	37460	42294	46523	51357	55586	60420	62420	66462	68275	43559	49179	54097	59717	64635	70256	72363	77281	79389
0742	39544	44646	49111	54213	58678	63780	65693	70158	72071	45981	51914	57105	63038	68230	74163	76388	81579	83804

	Kcal/h									Watts								
	Evaporation temperatures																	
Model B	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC	-31 ºF -35 ºC	-22 ºF -30 ºC	-13 ºF -25 ºC	-4 ºF -20 ºC	5 ºF -15 ºC	14 ºF -10 ºC	23 ºF -5 ºC	32 ºF 0 ºC	41 ºF 5 ºC
0091	4864	5492	6041	6669	7218	7846	8081	8630	8866	5656	6386	7025	7755	8393	9123	9397	10035	10309
0102	5432	6133	6746	7447	8060	8761	9024	9637	9900	6316	7131	7844	8659	9372	10187	10493	11206	11511
0108	5800	6548	7203	7951	8606	9354	9635	10290	10570	6744	7614	8375	9246	10007	10877	11204	11965	12291
0182	9729	10984	12083	13338	14436	15692	16162	17261	17731	11313	12772	14049	15509	16786	18246	18793	20071	20618
0204	10864	12265	13492	14894	16120	17522	18047	19274	19800	12632	14262	15688	17318	18744	20374	20985	22412	23023
0218	11599	13096	14406	15902	17212	18709	19270	20580	21141	13488	15228	16751	18491	20014	21754	22407	23930	24582
0274	14593	16476	18124	20007	21654	23537	24243	25891	26597	16969	19158	21074	23264	25179	27369	28190	30106	30927
0306	16295	18398	20238	22340	24180	26180	27071	28911	29699	18948	21393	23532	25977	28116	30561	31478	33617	34534
0326	17399	19644	21609	23854	25818	28063	28905	30870	31711	20232	22842	25126	27737	30021	32632	33611	35895	36874
0407	21727	24531	26984	29787	32240	35044	36095	38548	39599	25264	28524	31376	34636	37489	40748	41971	44823	46165
0435	23199	26192	28812	31805	34424	37418	38540	41159	42282	26975	30456	33502	36983	40028	43509	44814	47860	49165
0509	27159	30663	33729	37234	40300	43805	45119	48185	49499	31580	35655	39220	43295	46861	50935	52464	56029	57557
0544	28999	32740	36014	39756	43030	46772	48175	51449	52852	33719	38070	41877	46228	50035	54386	56018	59825	61456
0611	32591	36796	40475	44681	48360	52565	54142	57822	59399	37896	42786	47064	51954	56233	61123	62956	67235	69068
0653	34798	39288	43217	47707	51636	56126	57810	61739	63423	40463	45684	50253	55474	60042	56263	67221	71790	73747

Capabilities (DT=10,8ºF / DT1=6ºK)

(*) Same capabilities for 50Hz and 60Hz. Capacity in R-22.
Dt1: Difference between the air inlet temperature at the evaporator and the refrigerant evaporation temperature. ºK=Kelvin Degrees ºF=Fahrenheit Degrees The air inlet temperature at the evaporator is considered approximately the chamber temperature.

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

Electrical Characteristics • AC Fan Motor

Model			Flow rate m³/h		230V				400V			
					W		A		W		A	
A	B		A	B	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
0106	0091	1	1 x 9650	1 x 9700	690	950	2,34	2,77	690	950	1,35	1,60
0117	0102	1	1 x 9450	1 x 9500	690	950	2,34	2,77	690	950	1,35	1,60
0124	0108	1	1 x 9350	1 x 9400	690	950	2,34	2,77	690	950	1,35	1,60
0212	0182	2	2 x 9650	2 x 9700	1380	1900	4,68	5,54	1380	1900	2,70	3,20
0234	0204	2	2 x 9450	2 x 9500	1380	1900	4,68	5,54	1380	1900	2,70	3,20
0247	0218	2	2 x 9350	2 x 9400	1380	1900	4,68	5,54	1380	1900	2,70	3,20
0318	0274	3	3 x 9650	3 x 9700	2070	2850	7,02	8,31	2070	2850	4,05	4,80
0351	0306	3	3 x 9450	3 x 9500	2070	2850	7,02	8,31	2070	2850	4,05	4,80
0371	0326	3	3 x 9350	3 x 9400	2070	2850	7,02	8,31	2070	2850	4,05	4,80
0468	0407	4	4 x 9450	4 x 9500	2760	3800	9,36	11,08	2760	3800	5,40	6,40
0494	0435	4	4 x 9350	4 x 9400	2760	3800	9,36	11,08	2760	3800	5,40	6,40
0585	0509	5	5 x 9450	5 x 9500	3450	4750	11,70	13,85	3450	4750	6,75	8,00
0618	0544	5	5 x 9350	5 x 9400	3450	4750	11,70	13,85	3450	4750	6,75	8,00
0703	0611	6	6 x 9450	6 x 9500	4140	5700	14,04	16,62	4140	5700	8,01	9,60
0742	0653	6	6 x 9350	6 x 9400	4140	5700	14,04	16,62	4140	5700	8,01	9,60

Model			Electrical Resistance A			Electrical Resistance B		
			W	3 ~ 220V	3 ~ 380V	W	3 ~ 220V	3 ~ 380V
A	B			W	A		A	A
0106	0091	1	6x1500	23,60	13,70	4x1500	15,76	9,13
0117	0102	1	9x1500	35,50	20,50	5x1500	19,71	11,41
0124	0108	1	9x1500	35,50	20,50	6x1500	23,65	13,69
0212	0182	2	6x3000	47,30	27,40	4x3000	31,53	18,25
0234	0204	2	9x3000	70,90	41,10	5x3000	39,41	22,82
0247	0218	2	9x3000	70,90	41,10	6x3000	47,29	27,38
0318	0274	3	6x4500	70,90	41,10	4x4500	47,29	27,38
0351	0306	3	9x4500	106,40	61,60	5x4500	59,12	34,23
0371	0326	3	9x4500	106,40	61,60	6x4500	70,94	41,07
0468	0407	4	12x4500	141,90	82,10	6x4500	70,94	41,07
0494	0435	4	12x4500	141,90	82,10	9x4500	106,41	61,61
0585	0509	5	15x4500	177,40	102,70	9x4500	106,41	61,61
0618	0544	5	15x4500	177,40	102,70	9x4500	106,41	61,61
0703	0611	6	18x4500	212,80	123,20	9x4500	106,41	61,61
0742	0653	6	18x4500	212,80	123,20	9x4500	106,41	61,61

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

Flecha de ar

Hd500 A
26 meters

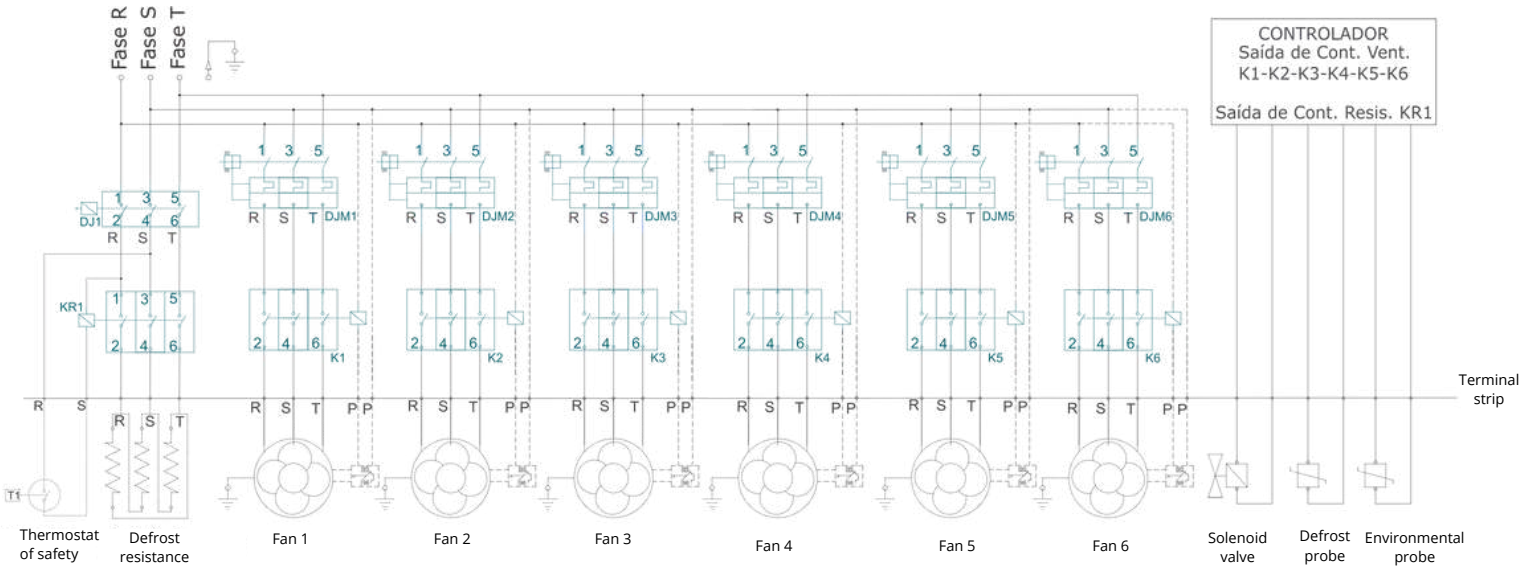
Hd500 B
29 meters

Como Comprar

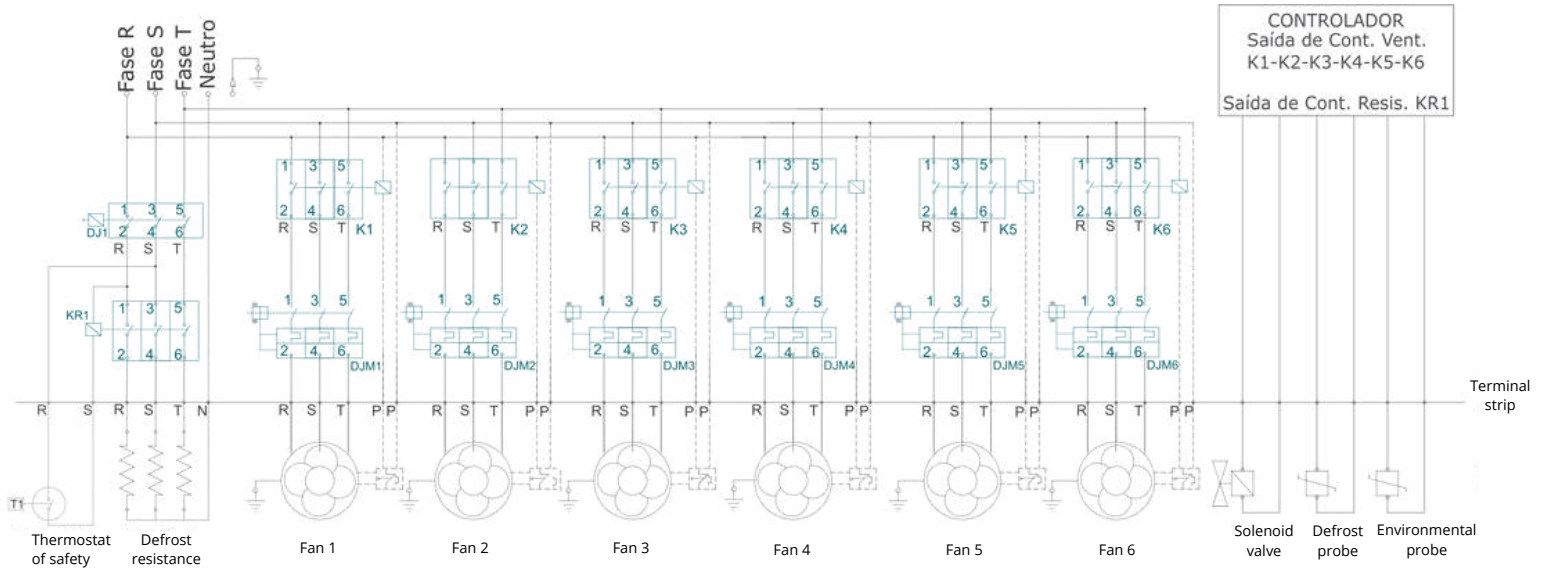
Model	Description	Available Options
HD5	Medium-High Profile Forced Air Evaporator	
H	Spacing between fins	C • 4,5mm (model A) H • 8,0mm (model B)
E	Defrost	A • Air E • Electric in the core and tray F • Air in the core and electric in the tray G • Gas in the core and tray H • Gas in the core and electric in the tray J • Water K • Water and electric in the tray L • Water, hot gas in the core and tray M • Water, hot gas in the core and electric in the tray N • Water and electric in the core and tray
0091	Model	0091 a 0742
C	Tube	A • Aluminum B • Cobre para Co2 C • Copper
A	Connections and tray	A • Direct Expansion B • 2 Collectors C • 2 Collectors with Flanges D • 2 Collectors with Nipples E • 2 Threaded Collectors (Aluminum) F • Direct Expansion and Double Insulated Tray G • 2 Collectors and Double Insulated Tray H • 2 Collectors with Flanges and Double Insulated Tray I • 2 Collectors with Nipples and Double Insulated Tray J • 2 Threaded Collectors (Aluminum) and Double Insulated Tray
00	Accessories	00 • Without accessories 01 • Expansion Valve 02 • Solenoid Valve 03 • Drain Heater 10 • 1 + 2 + 3 11 • 1 + 2 12 • 2 + 3 13 • 1 + 3
A	Finish	A • Aluminum cabinet B • Aluminum cabinet with N1 protection on fins C • Aluminum cabinet with N2 protection on fins D • Protected aluminum cabinet E • Protected aluminum cabinet with N1 protection on fins F • Protected aluminum cabinet with N2 protection on fins M • Stainless steel cabinet N • Stainless steel cabinet with N1 protection on fins O • Stainless steel cabinet with N2 protection on fins
MEC	Motor	MAC • Fan motor AC MEC • Fan motor EC
Q	Voltage and Frequency	H • Motor = 230V/3F/50Hz E • Motor = 380V/3F/50Hz Q • Motor = 230V/3F/60Hz V • Motor = 380V/3F/60Hz
1	Packaging	1 • Box 2 • Crate

Electrical Schematics

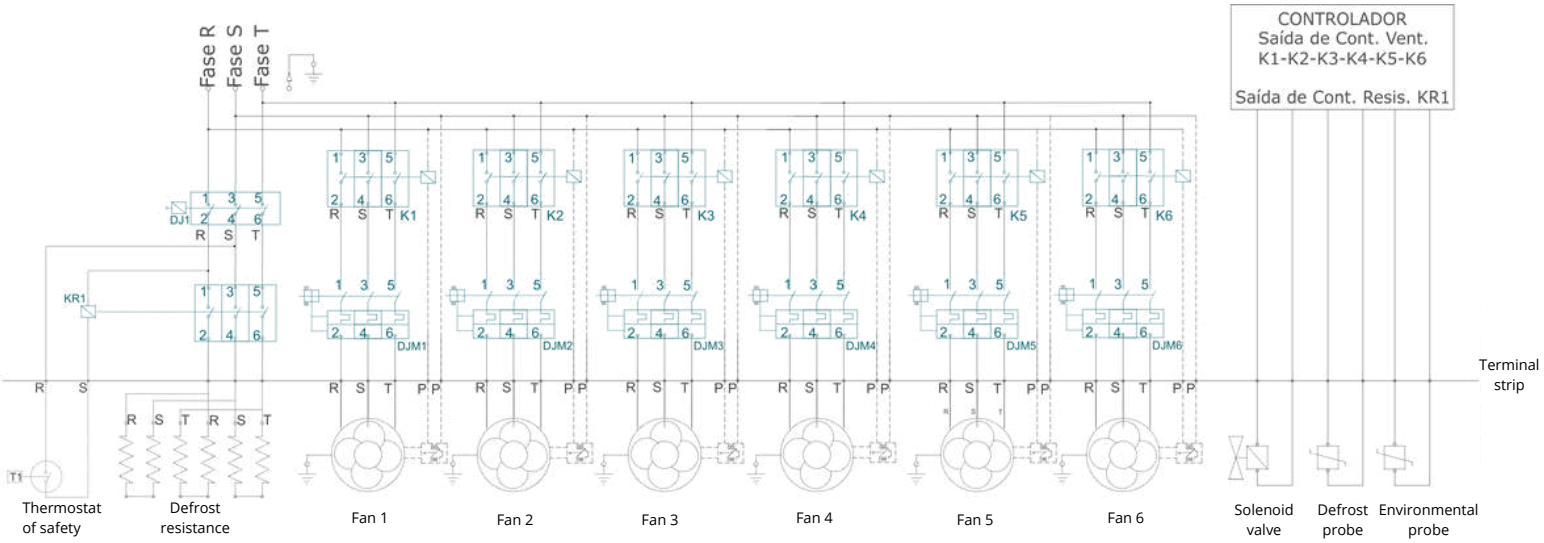
220V 50/60Hz 3Ø



380V 50/60Hz 3Ø



440V 50/60Hz 3Ø

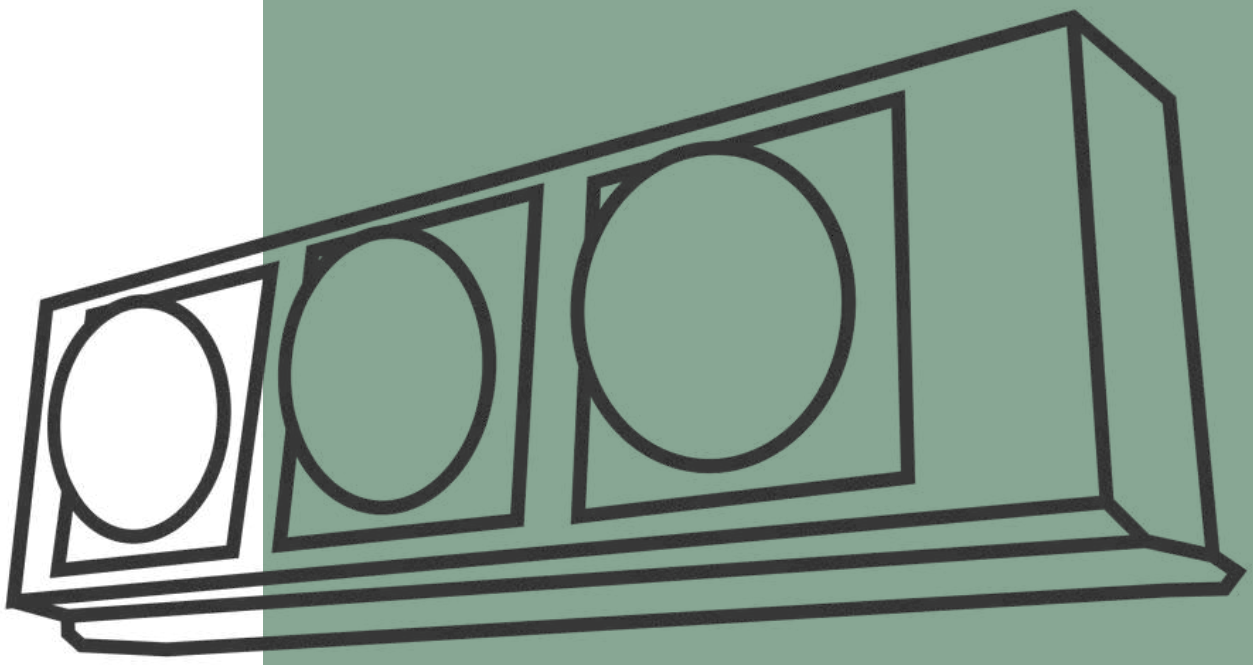


Attention

- When sizing installation components, consult the catalog data table
- To change factory power supply, please contact Mipal engineering
- The safety thermostat must be connected in series with the contactor coil
- Always use the ground wire

CR • Resistance Contactor
CV • Fan Contactor
CJ • Circuit Breaker
DJM • Motor Circuit Breaker

Hd 500



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