

ENGINEERING
TOMORROW

Danfoss

Condensing unit OPTYMA™

Lighter and more compact,
**fast installation and
simple maintenance**

R22/R402B/R134a/R404A/R507/R448A/R449A/R452A/R513A



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OPTYMA™
DANFOSS CONDENSING UNITS

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Reduction in the coolant charge

Condenser units with microchannel heat exchangers use up to 30% less coolant charge compared to units with a tube-fin condenser, resulting in significant savings for the installer.



Lighter condenser unit

When compared with conventional units, the new condenser units with a microchannel condenser are up to 15 kg lighter.

The reduction in the weight of the unit makes it easier to handle.



Faster installation

Reduction in the coolant charge time since the equipment uses less coolant;

Reduction in the vacuum time as the volume inside the microchannel condenser is sufficiently reduced compared to an equivalent tube-fin condenser.

Quicker installation improves the productivity of the installer (they can do more installations per day).

The fact that it is lighter than conventional units further reduces the installation time.



Simpler maintenance

The units have service valves in the suction and discharge connections, making maintenance easier and faster;

Cleaning of the microchannel heat exchangers is simpler and faster than those in the tube-fin condensers;

The two factors above mean preventative maintenance of these units is up to 50% faster than that of traditional units.

Discover what makes us different in detail

Crankcase resistance



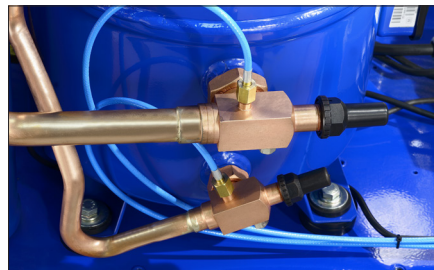
- The crankcase resistance reduces the risk of the compressor breaking as a result of flooding by up to 23.5% and as a result prolongs the operating life of the condenser unit.

Microchannel condenser



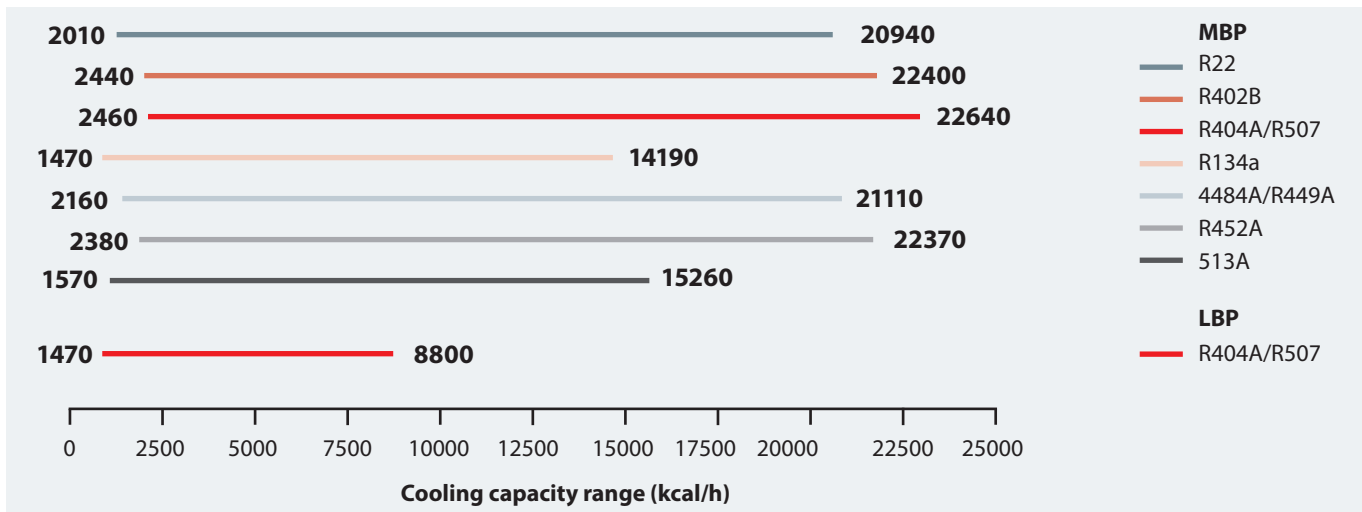
- The microchannel condenser has a lower internal volume and therefore uses less coolant charge and is more efficient, reducing the charge time and the vacuum time. Cleaning and maintenance are also simpler and faster.

Rotolok valves



- The presence of Rotolok valves in the suction and discharge lines of the condenser unit makes replacing the compressor faster and reduces the vacuum time, streamlining maintenance.

Nominal capacity ranges (Kcal/h)



MBP Rated conditions, Saturated suction temperature -10°C. Ambient air temperature +32°C. Superheat 18K. Subcooling 3K
 LBP Rated conditions, Saturated suction temperature -30°C. Ambient air temperature +32°C. Superheat 18K. Subcooling 3K

Condensing unit limits
 Ambient temp [°C] Up to 43°C

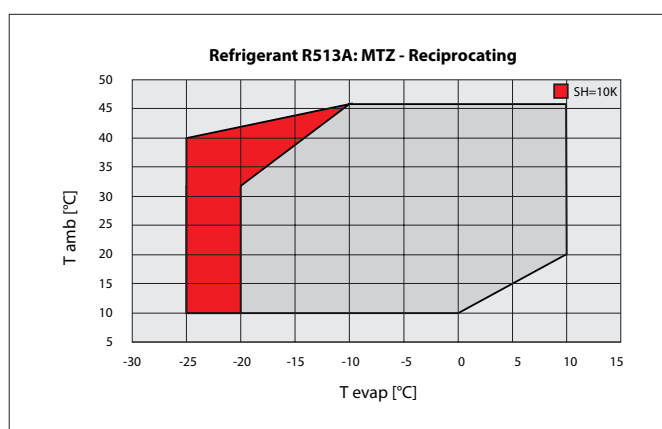
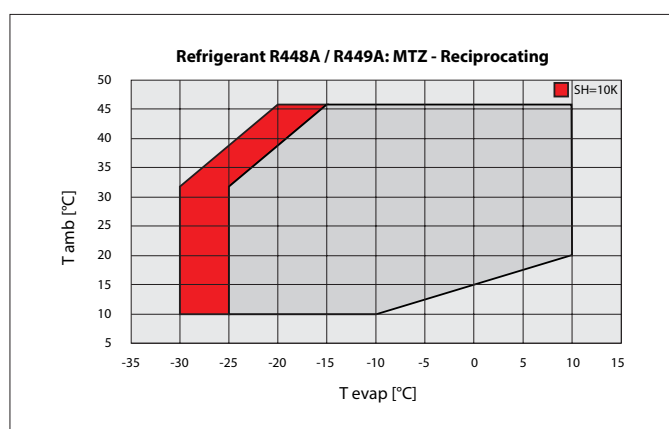
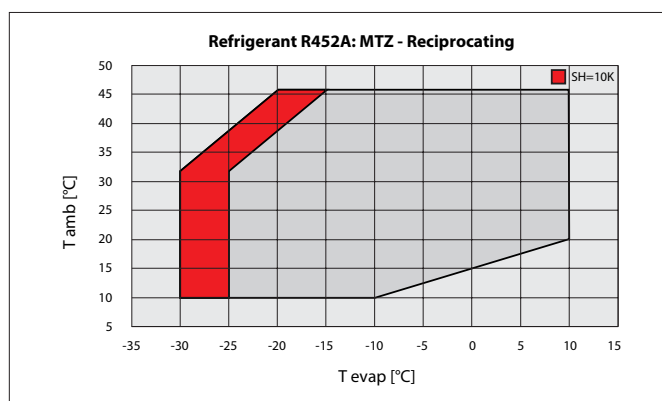
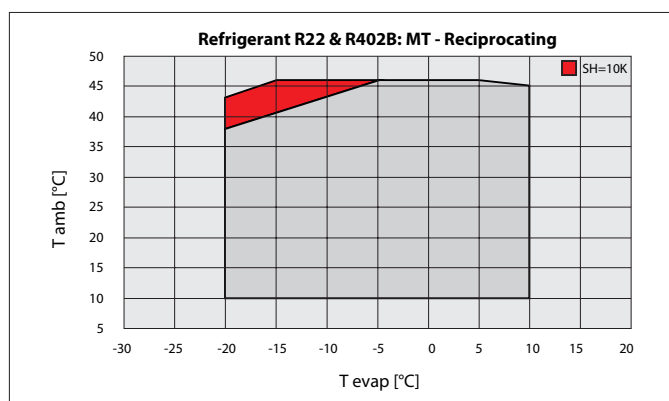
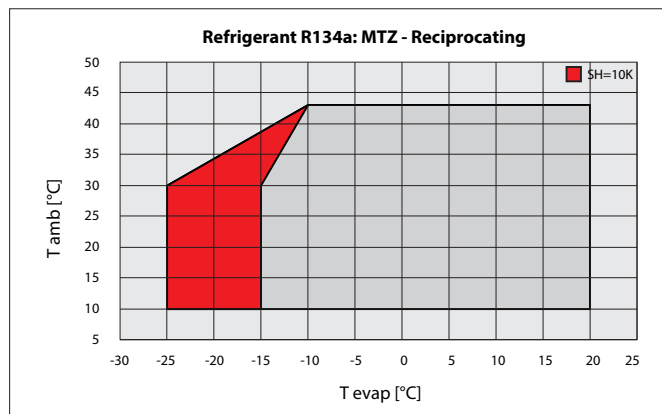
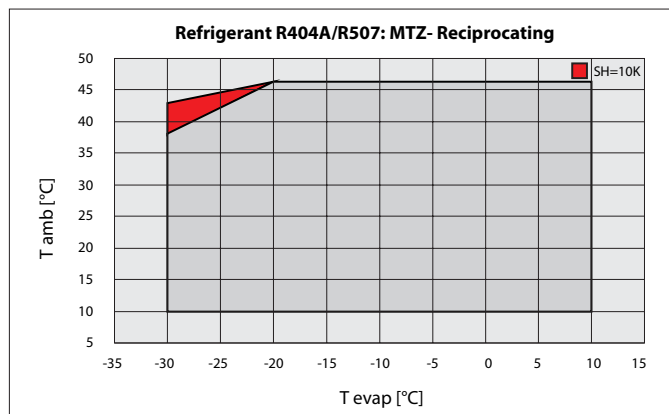
T Evaporation [°C]	Min	Max
MBP R22	-10	10
MBP R402B	-20	10
MBP R404A/R507	-20	10
MBP R134a	-10	10
MBP R448A/R449A	-15	10
MBP R452A	-15	10
MBP 513A	-10	10
LBP R404A/R507	-35	-10

Limits depends on the selected unit

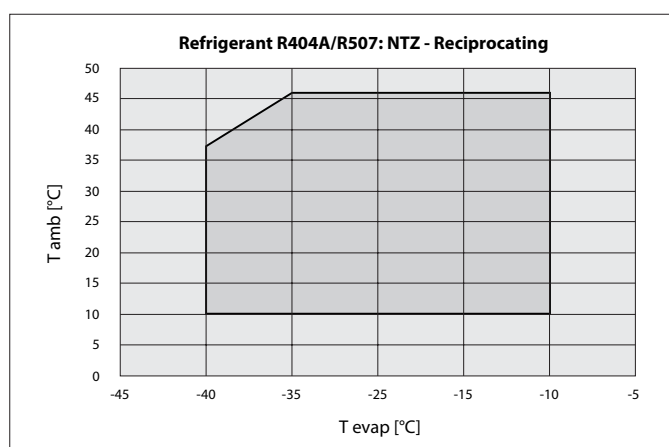


For more information, please refer to Coolselector® at coolselector.danfoss.com or contact Danfoss

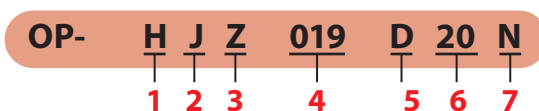
MBP



LBP



Model designation

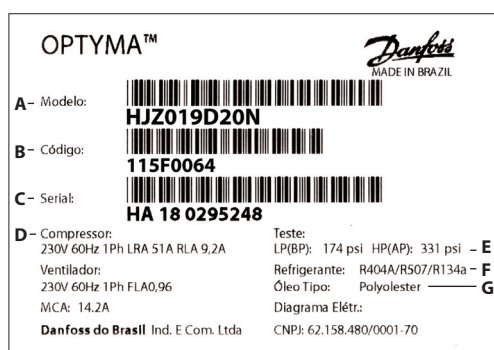


1	Application: H = MBP L = LBP	5	Platform: D = Microchannel technology
2	Design: J = condenser unit with a fan and a hermetic compressor G = condenser unit with two fans and a hermetic compressor	6	Equipment level: 20 / 39 / 49 = See table below
3	Refrigerant/Lubricant: M = R22/R402B - Mineral oil Z = R134a/R404A/R507 - POE	7	Voltage code: N = Compressor 230V / 1F / 60Hz, Fan 230V/ 1F / 60 Hz Q = Compressor 230V / 3F / 60Hz, Fan 230V/ 1F / 60 Hz V = Compressor 380V / 3F / 60Hz, Fan 230V/ 1F / 60 Hz
4	Compressor model: MT and MTZ family for MBP NTZ family for LBP		

Note

The unit may only be used with the coolants listed in the capacity tables.

Label - Designation



- A: Model
- B: Code number
- C: Serial number and bar code
- D: Supply voltage, Locked Rotor Ampere
- E: Housing service pressure
- F: Refrigerant gas
- G: Oil type

Version - Equipment level

	D20	D39	D49
Receiver	X	X	X
Danfoss Filter drier	X	X	X
Danfoss Sight glass	X	X	X
Low pressure switch - KP1 Danfoss	X	X	X
High pressure switch - Danfoss cartridge design	X	X	X
Oil separator			X
Suction accumulator			X
Crankcase heater	X	X	X
Rotolok suction and discharge valves	X	X	X
Electric terminals and connectors	X		
Electric box with a circuit breaker, meter and sequence phase relay		X	X

Model	Condenser			Fan motor Ø [mm]	Receiver [l]	Connection		Weight [kg]	
	Type	Airflow [m³/h]	Internal volume [l]			Suction line	Liquid line	Gross	Net
OP-HJM(Z)19	D8	2400	0,4	1x350	4	1/2"	3/8"	D20 = 62 D39 = 64 D49 = 69	D20 = 53 D39 = 55 D49 = 60
OP-HJM(Z)22	D8	2400	0,4	1x350	4	1/2" 5/8" (N)	3/8"	D20 = 62 D39 = 64 D49 = 69	D20 = 53 D39 = 55 D49 = 60
OP-HJM(Z)28	G8	4800	0,5	1x450	6	1/2" 5/8" (N)	1/2"	D20 = 83 D39 = 85 D49 = 90	D20 = 71 D39 = 73 D49 = 78
OP-HJM(Z)32	G8	4800	0,5	1x450	8	5/8"	1/2"	D20 = 85 D39 = 87 D49 = 93	D20 = 73 D39 = 75 D49 = 81
OP-HJM(Z)36	G8	4800	0,5	1x450	8	5/8"	1/2"	D20 = 85 D39 = 87 D49 = 93	D20 = 73 D39 = 75 D49 = 81
OP-HJM(Z)40	J8	6300	1,3	1x450	8	5/8"	1/2"	D20 = 93 D39 = 95 D49 = 101	D20 = 80 D39 = 82 D49 = 88
OP-HJM(Z)44	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D39 = 107 D49 = 115	D20 = 91 D39 = 94 D49 = 102
OP-HJM(Z)50	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D39 = 107 D49 = 115	D20 = 91 D39 = 94 D49 = 102
OP-HJM(Z)56	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D39 = 107 D49 = 115	D20 = 91 D39 = 94 D49 = 102
OP-HJM(Z)64	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D39 = 107 D49 = 115	D20 = 91 D39 = 94 D49 = 102
OP-HGM(Z)072	N8	8800	1,6	2x450	14	1 1/8"	5/8"	D20 = 140 D39 = 143 D49 = 152	D20 = 125 D39 = 128 D49 = 137
OP-HGM(Z)080	N8	8800	1,6	2x450	14	1 1/8"	5/8"	D20 = 143 D39 = 146 D49 = 155	D20 = 128 D39 = 131 D49 = 140
OP-HGM(Z)100	N8	8800	1,6	2x450	14	1 1/8"	5/8"	D20 = 159 D39 = 162 D49 = 171	D20 = 154 D39 = 147 D49 = 156
OP-HGM(Z)125	Q8	13980	2,5	2x600	18	1 1/8"	5/8"	D20 = 243 D39 = 247 D40 = 287 D49 = 257	D20 = 225 D39 = 229 D40 = 269 D49 = 239
OP-HGM(Z)144	Q8	13980	2,5	2x600	18	1 1/8"	5/8"	D20 = 248 D39 = 252 D49 = 262	D20 = 230 D39 = 234 D49 = 244
OP-HGM(Z)160	Q8	13980	2,5	2x600	18	1 1/8"	5/8"	D20 = 248 D39 = 252 D49 = 262	D20 = 230 D39 = 234 D49 = 244



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Model	Condenser			Fan motor Ø [mm]	Receiver [l]	Connection		Weight [kg]	
	Type	Airflow [m³/h]	Internal volume [l]			Suction line	Liquid line	Gross	Net
OP-LJZ048D	D8	2400	0,4	1x350	4	D20 5/8" D49 1/2"	3/8"	D20 = 62 D49 = 69	D20 = 53 D49 = 60
OP-LJZ068D	D8	2400	0,4	1x350	4	D20 5/8" D49 1/2"	3/8"	D20 = 62 D49 = 69	D20 = 53 D49 = 60
OP-LJZ096D	G8	4800	0,5	1x450	8	7/8"	1/2"	D20 = 96 D49 = 93	D20 = 86 D49 = 81
OP-LJZ108D	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D49 = 115	D20 = 91 D49 = 102
OP-LJZ136D	J8	6300	1,3	1x450	8	7/8"	1/2"	D20 = 104 D49 = 115	D20 = 91 D49 = 102
OP-LGZ215D	N8	8800	1,6	2x450	14	1 1/8"	5/8"	D20 = 159 D49 = 171	D20 = 154 D49 = 156
OP-LGZ271D	N8	8800	1,6	2x450	14	1 1/8"	5/8"	D20 = 159 D49 = 171	D20 = 154 D49 = 156



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Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																
		D20	D39	D49				-20°C		-15°C		-10°C		-5°C		0°C		5°C		10°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJM019	115F0001	115F0127	115F0227	N	MT019	32	1075	1155	1498	1291	2010	1425	2618	1553	3324	1675	4130	1791	5034	1900			
		115F0002	115F0128	115F0228	Q		35	1008	1172	1415	1313	1907	1452	2490	1586	3168	1716	3942	1840	4812	1959			
		115F0004	115F0129	115F0229	V		38	944	1188	1333	1333	1803	1478	2361	1619	3011	1757	3752	1890	4586	2018			
							43	843	1210	1200	1365	1631	1519	2145	1673	2744	1824	3430	1972	4202	2117			
	OP-HJM022	115F0006	115F0131	115F0230	N	MT022	32	1569	1384	2160	1590	2832	1792	3586	1989	4421	2179	5334	2360	6321	2532			
		115F0007	115F0132	115F0231	Q		35	1451	1402	2026	1612	2678	1821	3408	2026	4215	2225	5097	2416	6051	2600			
		115F0009	115F0133	115F0232	V		38	1333	1415	1891	1630	2523	1846	3229	2059	4008	2268	4859	2470	5777	2666			
							43	1141	1428	1669	1653	2263	1881	2926	2108	3657	2334	4454	2555	5314	2771			
	OP-HJM028	115F0011	115F0135	115F0233	N	MT028	32	2558	2564	3363	2783	4269	2993	5279	3189	6395	3370	7616	3534	8943	3679			
		115F0012	115F0136	115F0234	Q		35	2414	2580	3202	2810	4086	3034	5071	3247	6156	3449	7344	3635	8632	3806			
		115F0014	115F0137	115F0235	V		38	2269	2593	3038	2834	3900	3072	4857	3304	5912	3526	7064	3736	8313	3934			
							43	2025	2604	2761	2630	3581	3132	4492	3394	5492	3653	6584	3905	7765	4149			
	OP-HJM032	115F0016	115F0139	115F0236	N	MT032	32	2691	2847	3531	3101	4494	3351	5584	3596	6806	3834	8159	4065	9643	4290			
		115F0017	115F0140	115F0237	Q		35	2524	2873	3345	3136	4284	3399	5347	3660	6535	3917	7850	4170	9291	4419			
		115F0019	115F0141	115F0238	V		38	2363	2895	3164	3170	4079	3447	5112	3725	6266	4001	7542	4276	8939	4550			
							43	2113	2927	2879	3222	3748	3524	4729	3831	5824	4141	7032	4454	8353	4771			
	OP-HJM036	115F0021	115F0143	115F0239	N	MT036	32	3277	3081	4247	3358	5324	3642	6508	3934	7796	4234	9185	4542	10670	4861			
		115F0022	115F0144	115F0240	Q		35	3085	3122	4034	3409	5087	3707	6241	4015	7495	4333	8844	4663	10280	5006			
		115F0024	115F0145	115F0241	V		38	2891	3162	3820	3460	4846	3772	5970	4097	7188	4434	8497	4786	9892	5153			
							43	2569	3225	3459	3543	4438	3880	5508	4233	6665	4604	7905	4993	9223	5402			
	OP-HJM040	115F0026	115F0147	115F0242	N	MT040	32	3692	3222	4791	3573	6032	3912	7421	4232	8967	4526	10670	4790	12550	5020			
		115F0027	115F0148	115F0243	Q		35	3466	3286	4553	3650	5779	4006	7150	4346	8675	4664	10360	4957	12210	5220			
		115F0028	115F0149	115F0244	V		38	3239	3343	4314	3720	5524	4093	6877	4455	8380	4799	10040	5121	11860	5417			
							43	2865	3419	3734	3662	5096	4226	6417	4624	7882	5012	9597	5384	11270	5738			
	OP-HJM044	115F0030	115F0151	115F0245	N	MT044	32	3346	3191	4556	3483	5958	3760	7555	4029	9348	4296	11330	4568	13510	4852			
		115F0031	115F0152	115F0246	Q		35	3158	3229	4332	3545	5689	3845	7232	4134	8964	4421	10880	4712	12980	5012			
		115F0032	115F0153	115F0247	V		38	2970	3257	4107	3599	5418	3922	6908	4234	8580	4542	10430	4852	12460	5170			
							43	2659	3280	3734	3666	4965	4033	6366	4385	7936	4730	9676	5075	11580	5427			
	OP-HJM050	115F0034	115F0155	115F0248	N	MT050	32	4011	3610	5315	3942	6824	4263	8541	4580	10460	4902	12590	5235	14910	5586			
		115F0035	115F0156	115F0249	Q		35	3819	3671	5080	4029	6536	4375	8192	4716	10050	5059	12100	5413	14330	5783			
		115F0036	115F0157	115F0250	V		38	3628	3721	4847	4107	6251	4480	7846	4845	9632	5213	11610	5588	13760	5979			
							43	3317	3778	4466	4105	5781	4635	7276	5046	8950	5455	10800	5870	12820	6297			
	OP-HJM056	115F0038	115F0159	115F0251	N	MT056	32	4576	3930	6032	4308	7691	4684	9554	5064	11620	5456	13880	5866	16320	6302			
		115F0039	115F0160	115F0252	Q		35	4325	3977	5738	4381	7344	4782	9147	5186	11140	5601	13330	6033	15700	6491			
		115F0040	115F0161	115F0253	V		38	4078	4015	5447	4447	7002	4874	8744	5303	10670	5742	12790	6198	15080	6678			
							43	3678	4057	4975	4537	6441	5011	8085	5485	9904	5967	11900	6464	14050	6983			
	OP-HJM064	115F0042	115F0163	115F0254	N	MT064	32	5198	4365	6743	4770	8538	5194	10580	5644	12860	6125	15360	6643	18080	7203			
		115F0043	115F0164	115F0255	Q		35	4988	4450	6474	4875	8200	5320	10160	5791	12360	6291	14770	6829	17390	7408			
		115F0044	115F0165	115F0256	V		38	4783	4530	6207	4977	7862	5444	9746	5935	11850	6456	14170	7013	16690	7612			
							43	4455	4649	5771	5134	7303	5637	9052	6165	11010	6721	13170	7311	15520	7942			
	OP-HGM072	115F0046	115F0167	115F0257	Q	MT072	32	6138	5564	7986	6083	10140	6607	12600	7142	15370	7692	18460	8262	21840	8860			
		115F0047	115F0168	115F0258	V		35	5844	5638	7631	6183	9711	6734	12090	7296	14780	7873	17760	8472	21040	9096			
							38	5554	5707	7278	6279	9285	6857	11580	7446	14180	8051	17060	8677	20240	9330			
							43	5090	5805	6704	6423	8581	7049	10740	7685	13180	8337	15890	9010	18890	9709			
	OP-HGM080	115F0049	115F0170	115F0259	Q	MT080	32	6959	6174	9032	6748	11410	7346	14110	7981	17120	8662	20440	9401	24040	10210			
		115F0050	115F0171	115F0260	V		35	6651	6266	8663	6871	10970	7501	13580	8167	16500	8880	19700	9650	23190	10490			
							38	6337	6346	8289	6986	10520	7650	13050	8349	15860	9095	18960	9899	22330	10770			
							43	5812	6448	7660	7151	9767	7877	12150	8638	14800	9443	17710	10310	20880	11240			
	OP-HGM100	115F0052	115F0173	115F0261	Q	MT100	32	7594	7264	9859	7947	12480	8627	15480	9300	18850	9969	22580	10640	26660	11330			
		115F0053	115F0174	115F0262	V		35	7078	7318	9287	8032	11840	8751	14750	9471	18020	10200	21630	10930	25580	11690			
							38	6593	7368	8742	8115	11220	8875	14040	9645	17200	10430	20700	11230	24520	12060			
							43	5869	7441	8709	8250	10250	9085	12910	9943	15890	10830	19180	11740	22770	12700			
	OP-HGM125	115F0055	115F0176	115F0263	Q	MT125	32	10570	8995	13670	9837	17250	10690	21320	11560	25910	12440	30980	13330	36540	14240			
		115F0056	115F0177	115F0264	V		35	10000	9164	13000	10040	16470	10930	20400	11840	24820	12770	29720	13720	35070	14700			
							38	9456	9317	12360	10220	15690	1115											

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																
		D20	D39	D49				-20°C		-15°C		-10°C		-5°C		0°C		5°C		10°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJM019	115F0001	115F0127	115F0227	N	MT019	32	1371	1570	1869	1726	2437	1862	3077	1986	3786	2100	4561	2209	5399	2316			
		115F0002	115F0128	115F0228	Q		35	1268	1570	1745	1738	2289	1888	2901	2024	3579	2147	4321	2265	5125	2380			
		115F0004	115F0129	115F0229	V		38	1163	1565	1620	1747	2138	1911	2722	2057	3369	2192	4079	2320	4848	2443			
	OP-HJM022	115F0006	115F0131	115F0230	N	MT022	32	1935	1734	2518	1917	3179	2102	3917	2291	4726	2488	5599	2694	6527	2913			
		115F0007	115F0132	115F0231	Q		35	1819	1756	2373	1949	3003	2144	3704	2343	4471	2549	5299	2764	6182	2991			
		115F0009	115F0133	115F0232	V		38	1697	1773	2223	1977	2819	2182	3482	2391	4208	2607	4994	2830	5831	3066			
	OP-HJM028	115F0011	115F0135	115F0233	N	MT028	32	2733	2772	3490	2995	4350	3213	5314	3428	6383	3644	7550	3861	8814	4085			
		115F0012	115F0136	115F0234	Q		35	2584	2803	3311	3040	4134	3273	5058	3503	6079	3731	7195	3963	8405	4199			
		115F0014	115F0137	115F0235	V		38	2429	2829	3125	3082	3912	3329	4794	3573	5768	3816	6833	4062	7988	4311			
	OP-HJM032	115F0016	115F0139	115F0236	N	MT032	32	2915	2927	3747	3207	4699	3484	5765	3758	6942	4028	8222	4292	9599	4548			
		115F0017	115F0140	115F0237	Q		35	2755	2964	3547	3257	4451	3548	5463	3836	6580	4118	7796	4396	9107	4663			
		115F0019	115F0141	115F0238	V		38	2594	2997	3346	3304	4202	3608	5160	3910	6217	4206	7372	4495	8616	4775			
	OP-HJM036	115F0021	115F0143	115F0239	N	MT036	32	3292	3162	4243	3488	5318	3828	6513	4187	7821	4567	9234	4973	10742	5407			
		115F0022	115F0144	115F0240	Q		35	3082	3184	3991	3523	5016	3879	6157	4253	7405	4650	8755	5073	10197	5525			
		115F0024	115F0145	115F0241	V		38	2873	3204	3738	3556	4715	3927	5800	4317	6989	4730	8276	5170	9653	5640			
	OP-HJM040	115F0026	115F0147	115F0242	N	MT040	32	3937	3450	5094	3785	6414	4131	7902	4496	9554	4881	11365	5295	13325	5740			
		115F0027	115F0148	115F0243	Q		35	3697	3484	4802	3835	6065	4199	7485	4580	9064	4983	10801	5413	12682	5903			
		115F0028	115F0149	115F0244	V		38	3458	3517	4511	3886	5714	4267	7069	4665	8575	5087	10227	5534	12029	6015			
	OP-HJM044	115F0030	115F0151	115F0245	N	MT044	32	4157	3634	5416	3973	6851	4299	8465	4613	10256	4923	12227	5232	14355	5546			
		115F0031	115F0152	115F0246	Q		35	3853	3643	5058	4007	6431	4356	7975	4695	9691	5028	11573	5360	13622	5696			
		115F0032	115F0153	115F0247	V		38	3547	3641	4698	4030	6007	4404	7481	4767	9120	5124	10920	5480	12880	5838			
	OP-HJM050	115F0034	115F0155	115F0248	N	MT050	32	4802	4055	6172	4421	7734	4779	9491	5133	11435	5493	13573	5862	15890	6248			
		115F0035	115F0156	115F0249	Q		35	4488	4088	5804	4482	7303	4866	8987	5246	10860	5630	12910	6024	15127	6434			
		115F0036	115F0157	115F0250	V		38	4168	4109	5429	4531	6862	4943	8472	5351	10256	5761	12227	6180	14355	6613			
	OP-HJM056	115F0038	115F0159	115F0251	N	MT056	32	5383	4453	6915	4903	8636	5345	10544	5787	12613	6240	14850	6712	17226	7214			
		115F0039	115F0160	115F0252	Q		35	5007	4476	6476	4955	8122	5421	9940	5885	11930	6356	14068	6844	16355	7359			
		115F0040	115F0161	115F0253	V		38	4631	4485	6033	4996	7605	5489	9344	5976	11246	6468	13286	6973	15474	7502			
	OP-HJM064	115F0042	115F0163	115F0254	N	MT064	32	5920	4942	7539	5467	9356	5991	11365	6524	13543	7075	15890	7653	18374	8267			
		115F0043	115F0164	115F0255	Q		35	5530	4970	7076	5524	8808	6074	10722	6629	12801	7201	15038	7797	17424	8427			
		115F0044	115F0165	115F0256	V		38	5137	4985	6608	5569	8256	6146	10078	6727	12058	7320	14197	7936	16464	8582			
	OP-HGM072	115F0046	115F0167	115F0257	Q	MT072	32	6995	6456	8912	7022	11098	7581	13533	8139	16236	8703	19186	9279	22364	9875			
		115F0047	115F0168	115F0258	V		35	6541	6500	8369	7097	10454	7686	12781	8273	15365	8865	18176	9467	21226	10088			
							38	6088	6532	7826	7161	9804	7780	12029	8397	14484	9017	17177	9647	20087	10296			
	OP-HGM080	115F0049	115F0170	115F0259	Q	MT080	32	7909	7279	9940	8005	12227	8731	14781	9465	17582	10217	20622	10989	23879	11801			
		115F0050	115F0171	115F0260	V		35	7435	7360	9370	8119	11553	8873	13989	9633	16662	10405	19562	11197	22681	12029			
							38	6958	7423	8798	8217	10870	9002	13187	9788	15731	10583	18503	11395	21483	12236			
	OP-HGM100	115F0052	115F0173	115F0261	Q	MT100	32	8610	8197	10959	8957	13583	9702	16474	10454	19602	11217	22948	12019	26492	12870			
		115F0053	115F0174	115F0262	V		35	8007	8227	10247	9034	12751	9826	15503	10613	18483	11425	21681	12266	25067	13147			
							38	7409	8239	9541	9095	11920	9930	14533	10771	17365	11623	20414	12494	23651	13415			
	OP-HGM125	115F0055	115F0176	115F0263	Q	MT125	32	12009	10207	15028	11128	18444	12048	22255	12989	26453	13959	31027	14959	35967	16008			
		115F0056	115F0177	115F0264	V		35	11256	10306	14147	11276	17414	12266	21047	13266	25067	14296	29443	15365	34175	16474			
							38	10494	10385	13256	11415	16365	12464	19840	13523	23671	14612	27849	15741	32373	16909			
	OP-HGM144	115F0058	115F0179	115F0265	Q	MT144	32	13919	11494	17285	12543	21077	13642	25275	14801	29878	16048	34858	17404	40174	18899			
		115F0059	115F0180	115F0266	V		35	13058	11603	16276	12722	19889	13870	23909	15078	28304	16365	33056	17771	38145	19295			
							38	12187	11702	15256	12870	18691	14078	22513	15335	26700	16682	31244	18127	36115	19701			
	OP-HGM160	115F0061	115F0182	115F0267	Q	MT160	32	14959	12652	18473	13929	22414	15296	26760	16761	31492	18345	36590	20067	42016	21938			
		115F0062	115F0183	115F0268	V		35	14028	12731	17394	14068	21146	15494	25295	17018	29819	18662	34700	20444	39897	22394			
							38	13108	12801	16305	14187	19879	15672	23829	17256	28146	18968	32799	20820	37788	22829			

Superheat 18K
Subcooling 3K

Superheat 10K
Subcooling 3K

CC: Cooling capacity (kcal/h)
PC: Power input (W)



For more information, please refer to Coolselector® at coolselector.danfoss.com or contact Danfoss

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																
		D20	D39	D49				-10°C		-5°C		0°C		5°C		10°C		15°C		20°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJZ019	115F0064	115F0269	115F0369	N Q V	MTZ019	32	1469	1067	1900	1143	2424	1217	3049	1289	3781	1362	4621	1441	5571	1530			
		115F0065	115F0270	115F0370			35	1382	1085	1800	1168	2310	1249	2918	1331	3629	1415	4446	1506	5369	1609			
		115F0067	115F0271	115F0371			38	1294	1098	1700	1188	2195	1277	2784	1369	3474	1465	4267	1569	5164	1686			
							43	1149	1107	1532	1209	1999	1313	2557	1422	3211	1537	3963	1662	4814	1802			
	OP-HJZ022	115F0069	115F0273	115F0372	N Q V	MTZ022	32	1758	1222	2309	1328	2952	1430	3688	1528	4516	1621	5432	1711	6432	1799			
		115F0070	115F0274	115F0373			35	1664	1240	2192	1351	2809	1459	3515	1564	4310	1665	5190	1765	6153	1863			
		115F0072	115F0275	115F0374			38	1569	1256	2074	1372	2664	1487	3341	1599	4103	1709	4948	1819	5873	1928			
							43	1889	1276	1876	1402	2422	1528	3049	1654	3757	1779	4544	1904	5407	2030			
	OP-HJZ028	115F0074	115F0277	115F0375	N Q V	MTZ028	32	2315	2033	3003	2154	3830	2277	4806	2402	5938	2529	7231	2662	8686	2803			
		115F0075	115F0278	115F0376			35	2202	2061	2865	2189	3661	2319	4600	2452	5692	2590	6940	2734	8347	2887			
		115F0077	115F0279	115F0377			38	2087	2088	2724	2222	3488	2360	4392	2503	5443	2651	6647	2806	8006	2973			
							43	1889	2129	2484	2275	3197	2427	4041	2585	5024	2750	6154	2925	7433	3112			
	OP-HJZ032	115F0079	115F0281	115F0378	N Q V	MTZ032	32	2614	2318	3405	2491	4351	2656	5464	2811	6750	2955	8213	3089	9854	3214			
		115F0080	115F0282	115F0379			35	2482	2345	3243	2526	4154	2699	5227	2865	6468	3021	7883	3169	9471	3310			
		115F0082	115F0283	115F0380			38	2348	2369	3079	2558	3955	2741	4988	2918	6184	3087	7549	3249	9086	3406			
							43	2121	2403	2802	2606	3622	2806	4585	3002	5707	3192	6990	3378	8439	3561			
	OP-HJZ036	115F0084	115F0285	115F0381	N Q V	MTZ036	32	3306	2534	4212	2716	5250	2895	6423	3072	7728	3247	9162	3421	10720	3596			
		115F0085	115F0286	115F0382			35	3168	2576	4046	2766	5050	2956	6182	3145	7442	3334	8826	3524	10330	3718			
		115F0087	115F0287	115F0383			38	3026	2615	3874	2814	4843	3015	5934	3217	7149	3420	8484	3627	9935	3839			
							43	2780	2615	3577	2813	4843	3015	5510	3214	6648	3417	7900	3622	9261	3832			
	OP-HJZ040	115F0089	115F0289	115F0384	N Q V	MTZ040	32	3629	2650	4593	2809	5730	2965	7055	3117	8580	3266	10310	3414	12260	3562			
		115F0090	115F0290	115F0385			35	3468	2710	4402	2878	5505	3046	6792	3212	8273	3377	9958	3543	11850	3712			
		115F0091	115F0291	115F0386			38	3307	2767	4211	2946	5280	3125	6527	3306	7964	3487	9601	3672	11450	3862			
							43	3038	2855	3892	3052	4902	3253	6083	3458	7446	3668	9002	3883	10760	4108			
	OP-HJZ044	115F0093	115F0293	115F0387	N Q V	MTZ044	32	3780	2728	4916	2919	6269	3095	7852	3259	9674	3414	11740	3563	14050	3710			
		115F0094	115F0294	115F0388			35	3569	2759	4660	2968	5962	3160	7487	3340	9246	3510	11250	3674	13490	3837			
		115F0095	115F0295	115F0389			38	3362	2786	4409	3012	5659	3222	7127	3419	8824	3605	10760	3786	12930	3963			
							43	3026	2818	4000	3077	5165	3317	6539	3543	8132	3757	9954	3964	12010	4167			
	OP-HJZ050	115F0097	115F0297	115F0390	N Q V	MTZ050	32	4284	3114	5590	3338	7135	3545	8932	3742	10990	3934	13300	4127	15870	4326			
		115F0098	115F0298	115F0391			35	4041	3148	5292	3390	6776	3616	8505	3831	10490	4041	12720	4252	15220	4469			
		115F0099	115F0299	115F0392			38	3807	3180	5005	3442	6429	3687	8092	3921	10000	4150	12160	4379	14580	4615			
							43	3437	3223	4551	3521	5877	3801	7431	4068	9223	4329	11260	4589	13540	4856			
	OP-HJZ056	115F0101	115F0301	115F0393	N Q V	MTZ056	32	4494	3245	5856	3499	7496	3747	9434	3995	11690	4248	14260	4516	17170	4809			
		115F0102	115F0302	115F0394			35	4234	3263	5546	3538	7131	3808	9008	4080	11200	4359	13700	4654	16530	4975			
		115F0103	115F0303	115F0395			38	3980	3286	5243	3582	6773	3875	8589	4171	10710	4475	13150	4797	15910	5146			
							43	3573	3331	4755	3661	6191	3992	7907	4326	9919	4671	12240	5033	14880	5423			
	OP-HJZ064	115F0105	115F0305	115F0396	N Q V	MTZ064	32	5498	3589	6741	3905	8582	4212	10710	4517	13140	4829	15860	5157	18870	5509			
		115F0106	115F0306	115F0397			35	4906	3625	6412	3963	8190	4293	10250	4623	12600	4959	15240	5311	18170	5689			
		115F0107	115F0307	115F0398			38	4637	3657	6087	4019	7802	4373	9794	4727	12070	5088	14630	5466	17470	5870			
							43	4198	3701	5556	4103	7165	4499	9040	4894	11190	5296	13610	5715	16310	6160			
	OP-HGZ072	115F0109	115F0309	115F0399	Q V	MTZ072	32	6025	4850	7816	5201	9952	5544	12460	5887	15360	6239	18650	6610	22340	7010			
		115F0110	115F0310	115F0400			35	5752	4907	7486	5283	9557	5648	11990	6014	14800	6388	18000	6781	21590	7203			
							38	5473	4959	7151	5359	9154	5750	11510	6139	14230	6536	17330	6953	20820	7398			
							43	4999	5027	6579	5474	8468	5908	10690	6340	13270	6778	16210	7233	19530	7717			
	OP-HGZ080	115F0112	115F0312	115F0401	Q V	MTZ080	32	7122	5385	9095	5761	11420	6144	14130	6542	17220	6967	20700	7429	24580	7940			
		115F0113	115F0313	115F0402			35	6797	5446	8706	5851	10960	6263	13570	6691	16570	7145	19950	7637	23710	8176			
							38	6470	5510	8314	5944	10490	6385	13020	6843	15920	7326	19190	7846	22840	8414			
							43	5921	5509	7656	5942	9704	6382	12090	6838	14830	7319	17930	7836	21390	8400			
	OP-HGZ100	115F0115	115F0315	115F0403	Q V	MTZ100	32	8011	5971	10380	6423	13140	6865	16280	7298	19810	7725	23710	8154	27960	8596			
		115F0116	115F0316	115F0404			35	7614	6058	9899	6534	12560	7004	15590	7470	18990	7935	22760	8408	26870	8899			
							38	7216	6138	9414	6638	11970	7138	14890	7639	18170	8144	21800	8662	25770	9203			
							43	6555	6252	8608	6795	10990	7346	13730	7906	16800	8477	20210	9067	23950	9685			
	OP-HGZ125	115F0118	115F0318	115F0405	Q V	MTZ125	32	10420	6794	13450	7369	16980	7914	21030	84									

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																				
		D20	D39	D49				-30°C		-25°C		-20°C		-15°C		-10°C		-5°C		0°C		5°C		10°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJZ019	115F0064	115F0269	115F0369	N	MTZ019	32	586	1201	952	1407	1385	1586	1888	1743	2462	1881	3108	2006	3824	2121	4607	2231	5454	2339			
		115F0065	115F0270	115F0370	Q		35	511	1171	865	1392	1281	1586	1763	1756	2312	1907	2930	2044	3615	2169	4365	2288	5177	2404			
		115F0067	115F0271	115F0371	V		38	437	1135	777	1372	1175	1581	1636	1765	2160	1930	2749	2078	3403	2214	4120	2343	4897	2468			
							43	306	1060	613	1325	998	1561	1421	1770	1902	1957	2443	2125	3045	2280	3706	2424	4426	2562			
	OP-HJZ022	115F0069	115F0273	115F0372	N	MTZ022	32	1023	1377	1449	1566	1955	1752	2543	1936	3211	2123	3957	2314	4774	2513	5656	2721	6593	2942			
		115F0070	115F0274	115F0373	Q		35	943	1378	1353	1577	1837	1774	2397	1969	3033	2166	3741	2367	4516	2575	5353	2792	6244	3021			
		115F0072	115F0275	115F0374	V		38	859	1372	1253	1583	1714	1791	2245	1997	2847	2204	3517	2415	4251	2633	5044	2859	5890	3097			
							43	693	1349	1045	1580	1498	1806	1980	2031	2524	2256	3130	2483	3795	2716	4516	2956	5290	3206			
	OP-HJZ028	115F0074	115F0277	115F0375	N	MTZ028	32	1531	2324	2098	2567	2761	2800	3525	3025	4394	3245	5368	3463	6447	3681	7626	3900	8903	4126			
		115F0075	115F0278	115F0376	Q		35	1422	2327	1971	2583	2610	2831	3344	3071	4176	3306	5109	3538	6140	3769	7268	4003	8490	4241			
		115F0077	115F0279	115F0377	V		38	1310	2323	1840	2595	2454	2858	3157	3113	3952	3363	4842	3609	5826	3855	6902	4103	8069	4355			
							43	1086	2304	1568	2602	2185	2890	2833	3171	3564	3445	4381	3715	5285	3984	5302	7352	4526				
	OP-HJZ032	115F0079	115F0281	115F0378	N	MTZ032	32	1616	2394	2222	2674	2944	2957	3785	3239	4746	3519	5823	3796	7012	4069	8305	4335	9696	4594			
		115F0080	115F0282	115F0379	Q		35	1510	2405	2093	2698	2783	2994	3583	3290	4496	3584	5518	3875	6646	4160	7875	4440	9199	4710			
		115F0082	115F0283	115F0380	V		38	1402	2412	1962	2718	2620	3027	3380	3337	4244	3644	5212	3949	6280	4248	7446	4540	8703	4823			
							43	1178	2410	1687	2738	2344	3069	3037	3401	3822	3730	4700	4056	5670	4375	5925	7572	11050	4986			
	OP-HJZ036	115F0084	115F0285	115F0381	N	MTZ036	32	1779	2575	2490	2879	3325	3194	4286	3523	5372	3867	6579	4229	7900	4613	9327	5023	10850	5462			
		115F0085	115F0286	115F0382	Q		35	1629	2573	2313	2888	3113	3216	4031	3559	5067	3918	6219	4296	7480	4697	8843	5124	10300	5581			
		115F0087	115F0287	115F0383	V		38	1480	2568	2137	2895	2902	3236	3776	3592	4763	3967	5859	4361	7060	4778	8360	5222	9750	5697			
							43	1200	2555	1792	2900	2551	3262	3353	3641	4256	4039	5260	4456	6361	4901	9357	5370	11760	5869			
	OP-HJZ040	115F0089	115F0289	115F0384	N	MTZ040	32	2122	2829	2972	3155	3977	3485	5145	3823	6479	4173	7982	4541	9650	4930	11480	5348	13460	5798			
		115F0090	115F0290	115F0385	Q		35	1954	2831	2772	3173	3734	3519	4851	3874	6126	4241	7561	4626	9156	5033	10910	5468	12810	5963			
		115F0091	115F0291	115F0386	V		38	1790	2831	2574	3189	3493	3553	4557	3925	5772	4310	7140	4712	8662	5138	10330	5590	12150	6076			
							43	1479	2821	2185	3209	3095	3602	4071	4004	5184	4418	6438	4849	7836	5302	9376	5782	11050	6293			
	OP-HJZ044	115F0093	115F0293	115F0387	N	MTZ044	32	2168	2927	3101	3310	4199	3671	5471	4013	6920	4342	8551	4660	10360	4973	12350	5285	14500	5602			
		115F0094	115F0294	115F0388	Q		35	1940	2888	2839	3295	3892	3680	5109	4047	6496	4400	8056	4742	9789	5079	11690	5414	13760	5754			
		115F0095	115F0295	115F0389	V		38	1715	2837	2576	3268	3583	3678	4745	4071	6068	4448	7557	4815	9212	5176	11030	5535	13010	5897			
							43	1307	2724	2082	3197	3069	4160	4135	4084	5350	4503	6719	4910	7415	5310	9925	5706	11760	6103			
	OP-HJZ050	115F0097	115F0297	115F0390	N	MTZ050	32	2630	3307	3652	3711	4850	4096	6234	4466	7812	4827	9587	5185	11550	5548	13710	5921	16050	6311			
		115F0098	115F0298	115F0391	Q		35	2392	3284	3380	3717	4533	4129	5863	4527	7377	4915	9078	5299	10970	5687	13040	6085	15280	6499			
		115F0099	115F0299	115F0392	V		38	2154	3247	3104	3710	4210	4151	5484	4577	6931	4993	8558	5405	10360	5819	12350	6242	14500	6680			
							43	1707	3153	2565	3667	3664	4160	4838	4635	6173	5098	7674	5554	9344	6010	11180	6472	13190	6946			
	OP-HJZ056	115F0101	115F0301	115F0393	N	MTZ056	32	2918	3511	4082	4021	5437	4498	6985	4953	8723	5399	10650	5845	12740	6303	15000	6780	17400	7287			
		115F0102	115F0302	115F0394	Q		35	2638	3464	3758	4011	5058	4521	6541	5005	8204	5476	10040	5944	12050	6420	14210	6913	16520	7433			
		115F0103	115F0303	115F0395	V		38	2359	3400	3435	3985	4678	4530	6094	5046	7682	5544	9438	6036	11360	6533	13420	7043	15630	7578			
							43	1844	3252	2813	3907	4044	4514	5347	5085	6806	5632	8422	6166	10190	6697	12100	7236	14160	7793			
	OP-HJZ064	115F0105	115F0305	115F0396	N	MTZ064	32	3316	3884	4548	4449	5980	4992	7615	5522	9450	6052	11480	6590	13680	7146	16050	7730	18560	8350			
		115F0106	115F0306	115F0397	Q		35	3030	3847	4214	4446	5586	5020	7147	5580	8897	6135	10830	6696	12930	7274	15190	7876	17600	8512			
		115F0107	115F0307	115F0398	V		38	2744	3793	3880	4428	5189	5035	6675	5625	8339	6208	10180	6795	12180	7394	14340	8016	16630	8669			
							43	2205	3664	3225	4362	4525	5027	5885	5671	7404	6301	9084	6929	10920	7564	12900	8216	15030	8894			
	OP-HGZ072	115F0109	115F0309	115F0399	Q	MTZ072	32	3973	5329	5393	5935	7066	6521	9002	7093	11210	7658	13670	8221	16400	8791	19380	9373	22590	9975			
		115F0110	115F0310	115F0400	V		35	3649	5308	5010	5947	6607	6566	8454	7169	10560	7764	12910	8357	15520	8955	18360	9563	21440	10190			
							38	3330	5274	4628	5946	6149	6598	7905	7233	9903	7859	12150	8482	14630	9108	17350	9744	20290	10400			
							43	2728	5185	3884	5914	5390	6514	8347	7310	8814	7987	10860	8658	13140	9329	15650	10010	18760	10690			
	OP-HGZ080	115F0112	115F0312	115F0401	Q	MTZ080	32	4677	5845	6205	6610	7989	7353	10040	8086	12350	8819	14930	9561	17760	10320	20830	11100	24120	11920			
		115F0113	115F0313	115F0402	V		35	4339	5847	5805	6653	7510	7434	9465	8201	11670	8963	14130	9730	16830	10510	19760	11310	22910	12150			

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																		
		D20	D39	D49				-25°C		-20°C		-15°C		-10°C		-5°C		0°C		5°C		10°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJZ019D	115F0064	115F0269	115F0369	N	MTZ019	32	824	1119	1208	1278	1653	1431	2160	1577	2728	1717	3357	1851	4043	1979	4784	2103			
		115F0065	115F0270	115F0370	Q		35	742	1113	1115	1280	1541	1442	2027	1598	2573	1749	3176	1893	3826	2033	4550	2167			
		115F0067	115F0271	115F0371	V		38	667	1105	1025	1280	1433	1451	1898	1617	2420	1778	2999	1933	3633	2083	4319	2229			
							43	-	-	-	-	1259	1462	1690	1644	2174	1821	2711	1994	3301	2163	3942	2327			
	OP-HJZ022D	115F0069	115F0273	115F0372	N	MTZ022	32	1370	1412	1786	1563	2284	1722	2867	1893	3537	2077	4291	2279	5126	2502	6033	2753			
		115F0070	115F0274	115F0373	Q		35	1288	1432	1695	1591	2168	1759	2722	1940	3359	2135	4078	2348	4874	2584	5743	2847			
		115F0072	115F0275	115F0374	V		38	1215	1451	1604	1618	2053	1795	2578	1986	3183	2192	3867	2417	4626	2664	5455	2940			
							43	-	-	-	-	1863	1853	2342	2061	2894	2286	3519	2530	4216	2799	4982	3096			
	OP-HJZ028D	115F0074	115F0277	115F0375	N	MTZ028	32	1744	2271	2282	2450	2932	2637	2704	2833	4601	3041	5626	3264	6776	3505	8045	3771			
		115F0075	115F0278	115F0376	Q		35	1642	2296	2167	2485	2785	2683	3518	2892	4373	3114	5350	3351	6448	3608	7663	3891			
		115F0077	115F0279	115F0377	V		38	1550	2319	2052	2518	2640	2728	3336	2950	4147	3185	5077	3438	6124	3711	7285	4010			
							43	-	-	-	-	2401	2800	3037	3044	3778	3045	4629	3852	5592	3882	6665	4210			
	OP-HJZ032D	115F0079	115F0281	115F0378	N	MTZ032	32	2005	2432	2615	2637	3340	2852	4188	3082	5165	3331	6270	3606	7499	3916	8846	4269			
		115F0080	115F0282	115F0379	Q		35	1870	2441	2467	2661	3158	2893	3967	3140	4899	3409	5954	3705	7129	4036	8418	4411			
		115F0082	115F0283	115F0380	V		38	1744	2450	2316	2684	2975	2932	3745	3197	4631	3485	5636	3802	6757	4154	7990	4550			
							43	-	-	-	-	2667	2991	3371	3286	4183	3606	5105	3955	6137	4342	7276	4773			
	OP-HJZ036D	115F0084	115F0285	115F0381	N	MTZ036	32	2167	2645	2899	2924	3759	3214	4746	3518	5858	3839	7088	4183	8428	4554	9867	4960			
		115F0085	115F0286	115F0382	Q		35	2032	2670	2747	2963	3569	3269	4512	3589	5575	3928	6752	4291	8035	4682	9414	5108			
		115F0087	115F0287	115F0383	V		38	1911	2693	2595	3000	3379	3321	4278	3658	5292	4016	6415	4397	7641	4809	8960	5255			
							43	-	-	-	-	3064	3404	3889	3770	4821	4158	5855	4572	6985	5018	8206	5500			
	OP-HJZ040D	115F0089	115F0289	115F0384	N	MTZ040	32	2510	2869	3382	3177	4410	3496	5596	3827	6938	4173	8431	4536	10070	4921	11840	5334			
		115F0090	115F0290	115F0385	Q		35	2352	2898	3202	3220	4185	3556	5319	3907	6604	4274	8034	4660	9604	5070	11310	5508			
		115F0091	115F0291	115F0386	V		38	2211	2925	3024	3262	3961	3614	5043	3984	6270	4372	7638	4782	9140	5216	10770	5681			
							43	-	-	-	-	3592	3708	4585	4110	5714	4534	6976	4982	8366	5458	9879	5967			
	OP-HJZ044D	115F0093	115F0293	115F0387	N	MTZ044	32	2484	2858	3416	3165	4523	3475	5814	3791	7289	4114	8945	4450	10770	4803	12770	5178			
		115F0094	115F0294	115F0388	Q		35	2294	2865	3202	3189	4261	3519	5494	3854	6904	4199	8490	4557	10240	4932	12160	5330			
		115F0095	115F0295	115F0389	V		38	2117	2866	2988	3207	3999	3555	5176	3910	6522	4276	8037	4656	9717	5053	11550	5473			
							43	-	-	-	-	3587	3588	4648	3987	5889	4388	7289	4803	8845	5238	10550	5696			
	OP-HJZ050D	115F0097	115F0297	115F0390	N	MTZ050	32	2741	3006	3796	3398	5048	3798	6502	4204	8158	4619	10010	5045	12050	5484	14270	5941			
		115F0098	115F0298	115F0391	Q		35	2545	3017	3574	3430	4774	3851	6166	4280	7753	4718	9529	5168	11490	5631	13610	6112			
		115F0099	115F0299	115F0392	V		38	2360	3020	3350	3452	4498	3894	5829	4346	7345	4808	9045	5281	10920	5768	12960	6273			
							43	-	-	-	-	4032	3946	5261	4435	6662	4935	8235	5447	9975	5974	11880	6518			
	OP-HJZ056D	115F0101	115F0301	115F0393	N	MTZ056	32	3140	3264	4348	3701	5781	4147	7445	4601	9340	5065	11460	5543	13790	6036	16320	6551			
		115F0102	115F0302	115F0394	Q		35	2916	3276	4096	3736	5469	4205	7063	4685	8877	5176	10910	5681	13140	6202	15570	6743			
		115F0103	115F0303	115F0395	V		38	2705	3279	3840	3760	5155	4254	6677	4759	8411	5276	10350	5808	12500	6356	14830	6925			
							43	-	-	-	-	4624	4311	6030	4858	7631	5419	9427	5995	11410	6588	13580	7202			
	OP-HJZ064D	115F0105	115F0305	115F0396	N	MTZ064	32	3720	3664	5095	4137	6721	4609	8604	5080	10750	5550	13160	6023	15820	6505	18730	6999			
		115F0106	115F0306	115F0397	Q		35	3440	3678	4779	4177	6338	4678	8146	5180	10210	5685	12520	6195	15090	6715	17900	7250			
		115F0107	115F0307	115F0398	V		38	3184	3686	4469	4211	5960	4742	7692	5276	9670	5815	11890	6362	14360	6921	17070	7497			
							43	-	-	-	-	5342	4837	6946	5425	8782	6023	10850	6632	13160	7256	15700	7901			
	OP-HGZ072D	115F0109	115F0309	115F0399	Q	MTZ072	32	4233	5000	5788	5556	7619	6114	9732	6674	12130	7242	14810	7823	17750	8424	20960	9053			
		115F0110	115F0310	115F0400	V		35	3913	5014	5428	5600	7184	6191	9212	6787	11510	7394	14090	8016	16930	8659	20020	9334			
							38	3622	5022	5074	5638	6754	6262	8696	6895	10900	7540	13380	8203	16110	8890	19080	9609			
							43	-	-	-	-	6051	6368	7848	7063	9898	7774	12200	8506	14750	9266	17540	10060			
	OP-HGZ080D	115F0112	115F0312	115F0401	Q	MTZ080	32	5248	5771	6946	6387	8930	7025	11210	7686	13780	8378	16630	9105	19760	9878	23140	10710			
		115F0113	115F0313	115F0402	V		35	4910	5812	6573	6457	8478	7127	10660	7824	13130	8553	15870	9321	18880	10140	22130	11010			
							38	4600	5845	6200	6518	8023	7220	10120	7952	12480	8719	15110	9526	17990	10380	21120	11300			
							43	-	-	-	-	7264	7355	9199	8145	11390	8974	13830	9847	16510	10770	19430	11760			
	OP-HGZ100D	115F0115	115F0315	115F0403	Q	MTZ100	32	5524	6407	7505	7132	9843	7880	12540	8652	15600	9456	18990	10300	22710	11200	26710	12170			
		115F0116	115F0316	115F0404	V		35	5116	6435	7042	7193	9276	7978	11860	8793	14780	9643	18040	10540	21610	11490	25460	12510			
							38	4746	6456	6589	7247	8719	8070	11180	8927											

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature																
		D20	D39	D49				-20°C		-15°C		-10°C		-5°C		0°C		5°C		10°C				
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC			
	OP-HJZ019D	115F0064	115F0269	115F0369	N	MTZ019	32	1418	1451	1868	1607	2384	1751	2966	1887	3611	2014	4318	2135	5083	2250			
		115F0065	115F0270	115F0370	Q		35	1312	1452	1741	1619	2233	1775	2787	1922	3403	2061	4078	2192	4811	2318			
		115F0067	115F0271	115F0371	V		38	1207	1449	1615	1627	2083	1795	2609	1953	3195	2103	3840	2246	4540	2382			
	OP-HJZ022D	115F0069	115F0273	115F0372	N	MTZ022	32	1988	1719	2528	1895	3138	2075	3815	2259	4555	2450	5354	2650	6207	2863			
		115F0070	115F0274	115F0373	Q		35	1860	1739	2375	1926	2956	2117	3601	2314	4307	2518	5070	2733	5886	2961			
		115F0072	115F0275	115F0374	V		38	1734	1758	2224	1955	2776	2158	3389	2368	4061	2587	4789	2816	5569	3060			
	OP-HJZ028D	115F0074	115F0277	115F0375	N	MTZ028	32	2597	2671	3230	2851	3988	3040	4878	3242	5903	3459	7062	3697	8348	3960			
		115F0075	115F0278	115F0376	Q		35	2461	2706	3059	2898	3774	3100	4616	3316	5588	3548	6689	3801	7916	4079			
		115F0077	115F0279	115F0377	V		38	2323	2737	2885	2941	3558	3156	4351	3386	5270	3632	6314	3900	7481	4192			
	OP-HJZ032D	115F0079	115F0281	115F0378	N	MTZ032	32	2819	2817	3585	3051	4465	3290	5457	3538	6559	3801	7765	4084	9067	4392			
		115F0080	115F0282	115F0379	Q		35	2643	2841	3373	3094	4209	3354	5153	3624	6202	3908	7350	4211	8593	4539			
		115F0082	115F0283	115F0380	V		38	2464	2863	3157	3135	3951	3415	4846	3705	5841	4009	6933	4332	8117	4679			
	OP-HJZ036D	115F0084	115F0285	115F0381	N	MTZ036	32	3227	3128	4041	3403	4984	3686	6056	3981	7254	4291	8571	4622	10000	4979			
		115F0085	115F0286	115F0382	Q		35	3053	3167	3826	3458	4721	3758	5738	4071	6876	4399	8130	4749	9491	5124			
		115F0087	115F0287	115F0383	V		38	2874	3198	3606	3506	4452	3824	5414	4154	6492	4501	7681	4870	8977	5264			
	OP-HJZ040D	115F0089	115F0289	115F0384	N	MTZ040	32	3808	3470	4807	3778	5967	4092	7291	4414	8775	4751	10410	5108	12190	5492			
		115F0090	115F0290	115F0385	Q		35	3614	3517	4564	3845	5666	4178	6922	4522	8330	4881	9884	5261	11580	5668			
		115F0091	115F0291	115F0386	V		38	3412	3555	4312	3903	5354	4258	6541	4624	7873	5005	9346	5409	10950	5840			
	OP-HJZ044D	115F0093	115F0293	115F0387	N	MTZ044	32	3887	3482	5038	3786	6359	4087	7845	4391	9492	4703	11290	5031	13220	5380			
		115F0094	115F0294	115F0388	Q		35	3639	3512	4737	3835	5994	4155	7409	4477	8978	4807	10690	5153	12540	5519			
		115F0095	115F0295	115F0389	V		38	3390	3537	4433	3881	5626	4221	6970	4562	8462	4912	10090	5276	11850	5661			
	OP-HJZ050D	115F0097	115F0297	115F0390	N	MTZ050	32	4291	3783	5580	4187	7052	4584	8703	4981	10520	5382	12500	5794	14620	6221			
		115F0098	115F0298	115F0391	Q		35	4033	3820	5263	4248	6667	4669	8240	5087	9976	5510	11860	5941	13890	6387			
		115F0099	115F0299	115F0392	V		38	3769	3852	4940	4306	6274	4750	7769	5192	9420	5636	11220	6089	13150	6554			
	OP-HJZ056D	115F0101	115F0301	115F0393	N	MTZ056	32	4879	4089	6349	4532	8031	4969	9919	5407	12000	5849	14270	6301	16700	6768			
		115F0102	115F0302	115F0394	Q		35	4588	4131	5992	4600	7595	5062	9395	5524	11380	5990	13550	6464	15870	6953			
		115F0103	115F0303	115F0395	V		38	4290	4168	5627	4664	7151	5153	8862	5640	10750	6130	12810	6628	15030	7139			
	OP-HJZ064D	115F0105	115F0305	115F0396	N	MTZ064	32	5825	4591	7504	5049	9426	5492	11590	5931	14000	6375	16640	6835	19510	7321			
		115F0106	115F0306	115F0397	Q		35	5464	4638	7071	5128	8909	5601	10980	6067	13290	6538	15820	7024	18570	7535			
		115F0107	115F0307	115F0398	V		38	5103	4686	6636	5209	8390	5714	10370	6212	12570	6712	14990	7225	17630	7763			
	OP-HGZ072D	115F0109	115F0309	115F0399	Q	MTZ072	32	6614	6083	8505	6625	10660	7154	13080	7682	15750	8223	18670	8788	21820	9389			
		115F0110	115F0310	115F0400	V		35	6201	6138	8009	6716	10070	7279	12380	7841	14940	8413	17740	9009	20750	9640			
							38	5788	6193	7512	6810	9476	7411	11680	8008	14120	8614	16800	9242	19690	9906			
	OP-HGZ080D	115F0112	115F0312	115F0401	Q	MTZ080	32	7451	6789	9362	7369	11530	7952	13960	8550	16650	9178	19570	9848	22710	10570			
		115F0113	115F0313	115F0402	V		35	7044	6874	8871	7489	10950	8104	13270	8734	15830	9392	18620	10090	21630	10840			
							38	6629	6956	8372	7609	10350	8260	12560	8924	15000	9613	17670	10340	20540	11120			
	OP-HGZ100D	115F0115	115F0315	115F0403	Q	MTZ100	32	8523	7843	10900	8596	13580	9359	16570	10140	19830	10940	23350	11780	27090	12660			
		115F0116	115F0316	115F0404	V		35	7991	7942	10250	8740	12810	9545	15650	10370	18760	11210	22110	12080	25690	12990			
							38	7457	8021	9610	8865	12040	9714	14730	10580	17680	11460	20880	12370	24290	13320			
	OP-HGZ125D	115F0118	115F0318	115F0405	Q	MTZ125	32	11210	9687	14410	10610	18070	11520	22190	12430	26750	13360	31730	14310	37100	15300			
		115F0119	115F0319	115F0406	V		35	10520	9826	13570	10810	17060	11780	20990	12750	25340	13730	30110	14720	35260	15760			
							38	9818	9939	12730	10990	16050	12020	19790	13040	23930	14070	28480	15120	33410	16200			
	OP-HGZ144D	115F0121	115F0321	115F0407	Q	MTZ144	32	13480	11200	16670	12240	20280	13250	24300	14280	28740	15360	33570	16510	38760	17760			
		115F0122	115F0322	115F0408	V		35	12680	11400	15720	12530	19160	13600	23010	14670	27260	15770	31900	16930	36900	18180			
							38	11870	11560	14770	12770	18050	13910	21720	15030	25780	16160	30220	17340	35030	18590			
	OP-HGZ160D	115F0124	115F0324	115F0409	Q	MTZ160	32	14950	12550	18440	13680	22370	14860	26720	16130	31470	17530	36610	19080	42090	20810			
		115F0125	115F0325	115F0410	V		35	14050	12750	17390	13950	21130	15200	25280	16530	29830	17970	34750	19560	40010	21340			
							38	13150	12910	16330	14200	19900	15520	23850	16910	28190	18410	32890	20050	37930	21870			
							43	11660	13110	14570	14550	17840	16000	21460	17510	25450	19110	29800	20850	34500	22750			

Superheat 18K
Subcooling 3K

Superheat 10K
Subcooling 3K

CC: Cooling capacity (kcal/h)
PC: Power input (W)



For more information, please refer to Coolselector® at coolselector.danfoss.com or contact Danfoss

Fan	Model	Code for the version			Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature									
		D20	D39	D49				-10°C		-5°C		0°C		5°C		10°C	
								CC	PC	CC	PC	CC	PC	CC	PC	CC	PC
	OP-HJZ019D	115F0064	115F0269	115F0369	N	MTZ019	32	1567	1136	2033	1215	2567	1287	3170	1351	3843	1409
		115F0065	115F0270	115F0370	Q		35	1475	1146	1923	1233	2437	1312	3019	1383	3668	1448
		115F0067	115F0271	115F0371	V		38	1385	1154	1815	1248	2309	1334	2868	1413	3494	1485
							43	1239	1162	1638	1269	2097	1367	2620	1457	3207	1541
	OP-HJZ022D	115F0069	115F0273	115F0372	N	MTZ022	32	2030	1333	2588	1443	3223	1545	3936	1641	4725	1731
		115F0070	115F0274	115F0373	Q		35	1921	1342	2458	1462	3070	1574	3757	1679	4519	1779
		115F0072	115F0275	115F0374	V		38	1813	1350	2329	1478	2918	1600	3580	1716	4315	1826
							43	2475	2220	3035	2448	3648	2685	4312	2933	5023	3193
	OP-HJZ028D	115F0074	115F0277	115F0375	N	MTZ028	32	2668	2223	3389	2347	4214	2467	5144	2582	6181	2693
		115F0075	115F0278	115F0376	Q		35	2537	2255	3234	2390	4031	2520	4930	2646	5933	2767
		115F0077	115F0279	115F0377	V		38	2405	2284	3077	2431	3846	2572	4714	2708	5683	2840
							43	2183	2321	2813	2489	3535	2651	4350	2806	5261	2956
	OP-HJZ032D	115F0079	115F0281	115F0378	N	MTZ032	32	3088	2418	3915	2575	4848	2724	5889	2869	7036	3011
		115F0080	115F0282	115F0379	Q		35	2943	2453	3741	2620	4641	2780	5645	2934	6750	3085
		115F0082	115F0283	115F0380	V		38	2797	2484	3565	2663	4432	2833	5398	2997	6462	3157
							43	2550	2529	3269	2728	4078	2917	4980	3097	5975	3273
	OP-HJZ036D	115F0084	115F0285	115F0381	N	MTZ036	32	3211	2582	4097	2740	5118	2901	6276	3073	7572	3259
		115F0085	115F0286	115F0382	Q		35	3069	2636	3925	2808	4911	2983	6029	3165	7280	3359
		115F0087	115F0287	115F0383	V		38	2919	2683	3746	2872	4696	3060	5774	3254	6980	3459
							43	2656	2742	3431	2962	4320	3177	5329	3395	6459	3620
	OP-HJZ040D	115F0089	115F0289	115F0384	N	MTZ040	32	3931	2877	4988	3064	6207	3263	7591	3482	9143	3728
		115F0090	115F0290	115F0385	Q		35	3731	2916	4751	3113	5929	3321	7269	3547	8773	3799
		115F0091	115F0291	115F0386	V		38	3534	2953	4515	3161	5651	3378	6946	3612	8403	3871
							43	3211	3010	4126	3238	5190	3473	6408	3722	7783	3995
OP-HJZ044D	115F0093	115F0293	115F0387	N	MTZ044	32	4106	2855	5306	3050	6693	3239	8268	3424	10030	3609	
	115F0094	115F0294	115F0388	Q		35	3868	2889	5021	3099	6356	3302	7875	3502	9578	3701	
	115F0095	115F0295	115F0389	V		38	3635	2918	4739	3143	6021	3361	7483	3575	9127	3789	
						43	3256	2959	4275	3207	5467	3449	6834	3687	8376	3926	
OP-HJZ050D	115F0097	115F0297	115F0390	N	MTZ050	32	4496	3143	5731	3363	7167	3576	8807	3782	10650	3979	
	115F0098	115F0298	115F0391	Q		35	4266	3200	5449	3438	6826	3669	8401	3893	10180	4109	
	115F0099	115F0299	115F0392	V		38	4042	3252	5173	3508	6491	3759	8002	4002	9710	4237	
						43	3678	3324	4723	3612	5944	3895	7349	4172	8942	4440	
OP-HJZ056D	115F0101	115F0301	115F0393	N	MTZ056	32	5261	3403	6739	3653	8435	3896	10350	4136	12500	4377	
	115F0102	115F0302	115F0394	Q		35	4972	3451	6399	3721	8037	3983	9893	4240	11970	4499	
	115F0103	115F0303	115F0395	V		38	4687	3493	6060	3784	7641	4065	9433	4341	11440	4618	
						43	4217	3551	5502	3876	6983	4192	8669	4501	10560	4809	
OP-HJZ064D	115F0105	115F0305	115F0396	N	MTZ064	32	5922	3745	7610	4021	9540	4287	11720	4550	14150	4815	
	115F0106	115F0306	115F0397	Q		35	5611	3801	7240	4100	9104	4388	11210	4670	13560	4953	
	115F0107	115F0307	115F0398	V		38	5303	3850	6873	4174	8669	4484	10700	4787	12970	5089	
						43	4800	3915	6269	4283	7952	4634	9858	4974	11990	5310	
 	OP-HGZ072D	115F0109	115F0309	115F0399	Q	MTZ072	32	6696	5046	8466	5377	10500	5704	12800	6030	15390	6356
		115F0110	115F0310	115F0400	V		35	6376	5112	8086	5465	10050	5814	12280	6160	14790	6506
							38	6053	5172	7703	5549	9601	5919	11760	6287	14180	6654
							43	5510	5259	7058	5676	8841	6086	10870	6490	13150	6894
	OP-HGZ080D	115F0112	115F0312	115F0401	Q	MTZ080	32	7629	5579	9609	5968	11850	6357	14350	6756	17100	7169
		115F0113	115F0313	115F0402	V		35	7292	5665	9203	6077	11360	6488	13770	6905	16440	7335
							38	6953	5745	8795	6181	10880	6614	13200	7052	15760	7501
							43	6386	5862	8112	6343	10060	6817	12230	7291	14630	7773
	OP-HGZ100D	115F0115	115F0315	115F0403	Q	MTZ100	32	8931	6387	11330	6833	14060	7275	17130	7720	20540	8176
		115F0116	115F0316	115F0404	V		35	8455	6469	10760	6947	13400	7420	16360	7894	19660	8376
							38	7980	6538	10200	7051	12730	7555	15590	8059	18770	8570
							43	7189	6623	9248	7196	11610	7758	14290	8316	17270	8876
	OP-HGZ125D	115F0118	115F0318	115F0405	Q	MTZ125	32	12460	7794	15550	8340	19070	8895	23040	9471	27460	10080
		115F0119	115F0319	115F0406	V		35	11840	7915	14820	8499	18230	9087	22070	9694	26350	10330
							38	11210	8025	14090	8649	17380	9275	21090	9914	25240	10580
							43	10170	8178	12870	8876	15960	9569	19450	10270	23270	10990
	OP-HGZ144D	115F0121	115F0321	115F0407	Q	MTZ144	32	13980	8738	17360	9375	21200	10040	25530	10750	30330	11530
		115F0122	115F0322	115F0408	V		35	13310	8875	16570	9548	20290	10250	24480	10990	29140	11790
							38	12630	8999	15780	9713	19380	10450	23420	11220	27930	12040
							43	11490	9175	14450	9966	17830	10770	21640	11600	25890	12470
	OP-HGZ160D	115F0124	115F0324	115F0409	Q	MTZ160	32	15260	9770	18880	10540	23020	11360	27660	12250	32820	13260
		115F0125	115F0325	115F0410	V		35	14590	9945	18080	10750	22070	11590	26550	12510	31540	13530
							38	13920	10100	17270	10950	21110	11830	25430	12770	30240	13810
							43	12790	10330	15920	11260	19500	12200	23540	13190	28060	14270

Superheat 18K
Subcooling 3K

Superheat 10K
Subcooling 3K

CC: Cooling capacity (kcal/h)
PC: Power input (W)



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Fan	Model	Code for the version		Electrical code	Compressor	Ambient temperature (°C)	Cooling capacity range in (Kcal/h) at evaporating temperature													
		D49	D20				-40°C		-35°C		-30°C		-25°C		-20°C		-15°C		-10°C	
							CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	CC	PC
	OP-LJZ048D	115F0411	115F0526	N	NTZ048	32	717	1089	1063	1355	1469	1622	1937	1887	2466	2143	3057	2388	3710	2616
		115F0412	115F0527	Q		35	646	1067	975	1343	1360	1622	1803	1899	2304	2169	2864	2428	3483	2671
		115F0413	115F0528	V		38	576	1041	887	1327	1251	1617	1669	1906	2142	2190	2671	2462	3257	2720
						43	-	-	744	1287	1072	1595	1448	1904	1874	2209	2352	2504	2883	2786
	OP-LJZ068D	115F0415	115F0512	N	NTZ068	32	1219	1782	1683	2070	2216	2381	2813	2723	3470	3105	4183	3536	4943	4027
		115F0416	115F0513	Q		35	1116	1788	1558	2088	2062	2412	2629	2768	3252	3165	3928	3611	4651	4119
		115F0417	115F0514	V		38	1019	1792	1437	2105	1914	2443	2449	2813	3039	3225	3678	3688	4363	4212
						43	-	-	1246	2128	1678	2489	2161	2884	2693	3326	3273	3817	3896	4370
	OP-LJZ096D	115F0419	115F0518	N	NTZ096	32	1451	2530	2138	2993	2947	3482	3881	3997	4941	4544	6128	5128	7440	5759
		115F0420	115F0519	Q		35	1271	2471	1931	2953	2705	3465	3599	4010	4614	4589	5751	5211	7010	5883
						38	1092	2404	1724	2902	2464	3438	3317	4010	4287	4622	5374	5279	6580	5991
						43	-	-	1383	2798	2065	3368	2852	3983	3746	4645	4750	5360	5869	6135
OP-LJZ108D	115F0423	115F0520	N	NTZ108	32	1661	2992	2490	3419	3496	3900	4684	4433	6054	5018	6794	5808	8170	6587	
	115F0424	115F0521	Q		35	1527	2982	2316	3421	3269	3919	4392	4473	5688	5082	6364	5868	7660	6667	
	115F0425	115F0522	V		38	1388	2965	2137	3414	3037	3927	4096	4500	5317	5132	5933	5916	7148	6734	
					43	-	-	1830	3384	2642	3917	3594	4519	4690	5185	5212	5971	6297	6821	
OP-LJZ136D	115F0427	115F0523	N	NTZ136	32	2264	3647	3260	4251	4430	4911	5778	5634	7305	6426	9008	7297	10880	8257	
	115F0428	115F0524	Q		35	2056	3621	3009	4241	4128	4920	5415	5666	6873	6483	8500	7382	10290	8372	
	115F0429	115F0525	V		38	1850	3588	2760	4223	3826	4922	5051	5690	6440	6532	7991	7458	9703	8477	
					43	-	-	2349	4177	3325	4907	4446	5710	5718	6592	7141	7464	8719	8631	
 	OP-LGZ215D	115F0431	115F0807	Q	NTZ215	32	3612	5638	5053	6633	6748	7691	8704	8812	10920	9998	13400	10850	16140	12050
		115F0432	115F0808	V		35	3268	5715	4649	6672	6267	7684	8131	8751	10240	9877	12610	11070	15220	12340
						38	2918	5638	4235	6633	5775	7691	7547	8812	9554	9998	11800	11260	14280	12590
						43	-	-	3534	6515	4940	7644	6553	8848	8381	10120	10430	11490	12700	12940
	OP-LGZ271D	115F0434	115F0809	Q	NTZ271	32	4895	7266	6700	8403	8796	9613	11170	10910	13810	12310	16690	13840	19790	15510
		115F0435	115F0810	V		35	4506	7262	6223	8438	8209	9690	10460	11030	12960	12480	15680	14050	18610	15770
						38	4114	7239	5740	8457	7617	9751	9737	11140	12090	12630	14660	14250	17430	16010
						43	-	-	4931	8448	6620	9813	8523	11270	10640	12840	12940	14540	15440	16380

Superheat 18K
Subcooling 3K

Superheat 10K
Subcooling 3K

CC: Cooling capacity (kcal/h)
PC: Power input (W)



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Application	Model	Filter drier		Basket filter	Sight glass		Suction valve(****)		Discharge valve	Liquid valve	Suction accumulator	
		Code	Model	Code	Code	Model	Code	Voltage	Code	Code	Code	Model
MBP	OP-HJM(Z)019	023Z5040	DML083	191U9905	014L0172	SGP10	6804501V06 or 193U1216	N Q V	6804501V06 or 193U1216	6804500V01 or 193U1214	191U006010	XF-204
	OP-HJM(Z)022	023Z5040	DML083	191U9906 191U9905	014L0172	SGP10	6804502V09 or 193U1217 6804501V06 or 193U1216	N Q V	6804501V06 or 193U1216	6804500V01 or 193U1214	191U006010	XF-204
	OP-HJM(Z)028	023Z5041	DML084	191U9906 191U9905	014L0173	SGP12	6804502V09 or 193U1217 6804501V06 or 193U1216	N Q V	6804501V06 or 193U1216	6804501V06 or 193U1216	191U006110	XF-205
	OP-HJM(Z)032	023Z5041	DML084	191U9906	014L0173	SGP12	6804502V09 or 193U1217	N Q V	6804501V06 or 193U1216	6804501V06 or 193U1216	191U006110	XF-205
	OP-HJM(Z)036	023Z5041	DML084	191U9906	014L0173	SGP12	6804502V09 or 193U1217	N Q V	6804501V06 or 193U1216	6804501V06 or 193U1216	191U006110	XF-205
	OP-HJM(Z)040	023Z5044	DML164	191U9906	014L0173	SGP12	6804502V09 or 193U1217	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006110	XF-205
	OP-HJM(Z)044	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-HJM(Z)050	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-HJM(Z)056	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-HJM(Z)064	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804503V04 or 193U1218	6804501V06 or 193U1216	191U006310	XF-207
	OP-HGM(Z)072	023Z5045	DML165	191U9907	014L0174	SGP16	6804506V02 or 193U1221	N Q V	6804503V04 or 193U1218	6804507V10 or 193U1223	191U006410	XF-208
	OP-HGM(Z)080	023Z5045	DML165	191U9907	014L0174	SGP16	6804506V02 or 193U1221	N Q V	6804503V04 or 193U1218	6804507V10 or 193U1223	191U006410	XF-208
	OP-HGM(Z)100	023Z5045	DML165	191U9907	014L0174	SGP16	6804506V02 or 193U1221	N Q V	6804503V04 or 193U1218	6804507V10 or 193U1223	191U006410	XF-208
	OP-HGM(Z)125	023Z5046	DML166	191U9907	014L0175	SGP19	6804506V02 or 193U1221	N Q V	6804504V05 or 193U1219	6804503V04 or 193U1218	191U006610	XF-209
	OP-HGM(Z)144	023Z5046	DML166	191U9907	014L0175	SGP19	6804506V02 or 193U1221	N Q V	6804504V05 or 193U1219	6804503V04 or 193U1218	191U006610	XF-209
	OP-HGM(Z)160	023Z5046	DML166	191U9907	014L0175	SGP19	6804506V02 or 193U1221	N Q V	6804504V05 or 193U1219	6804503V04 or 193U1218	191U006610	XF-209
LBP	OP-LJZ048	023Z5040	DML083	191U9906	014L0172	SGP10	6804502V09 or 193U1217	N Q V	6804501V06 or 193U1216	6804500V01 or 193U1214	191U006010	XF-204
	OP-LJZ068	023Z5040	DML083	191U9906	014L0172	SGP10	6804502V09 or 193U1217	N Q V	6804501V06 or 193U1216	6804500V01 or 193U1214	191U006110	XF-205
	OP-LJZ096	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-LJZ108	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-LJZ136	023Z5044	DML164	191U9907	014L0173	SGP12	6804505V07 or 193U1220	N Q V	6804502V09 or 193U1217	6804501V06 or 193U1216	191U006310	XF-207
	OP-LGZ215	023Z5045	DML165	191U9907	014L0174	SGP16	6804506V02 or 193U1221	N Q V	6804503V04 or 193U1218	6804507V10 or 193U1223	191U006410	XF-208
	OP-LGZ271	023Z5045	DML165	191U9907	014L0174	SGP16	6804506V02 or 193U1221	N Q V	6804503V04 or 193U1218	6804507V10 or 193U1223	191U006410	XF-208

Application	Model	Receiver		Housing (*)		Oil separator		Run capacitor (440VAC)		Starting capacitor (330V)		Fan kit (**)		Condenser kit (***)	
		Code	Liters	Code	Model	Code	Model	Code	Model	Code	Model	Code	Ref.	Code	Model
MBP	OP-HJM(Z)019	118U600908	4	191U127367	D8	191U007610	XFW-5201	191U0135	25 µFD	191U0126	100 µFD	119-8253E	D350	193U8024E	D8
	OP-HJM(Z)022	118U600908	4	191U127367	D8	191U007610	XFW-5201	191U0122	35 µFD	191U0126	100 µFD	119-8253E	D350	193U8024E	D8
	OP-HJM(Z)028	118U601008	6	191U127467	G8	191U007610	XFW-5201	191U0136	50 µFD	191U0129	135 µFD	119-8254E	D450	191U0643E	G8
	OP-HJM(Z)032	118U601108	8	191U127467	G8	191U007710	XFW-5202	191U0125	45 µFD	191U0126	100 µFD	119-8254E	D450	191U0643E	G8
	OP-HJM(Z)036	118U601108	8	191U127467	G8	191U007710	XFW-5202	191U0125	45 µFD	191U0126	100 µFD	119-8254E	D450	191U0643E	G8
	OP-HJM(Z)040	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0137	55 µFD	191U0129	135 µFD	119-8254E	D450	191U0644E	J8
	OP-HJM(Z)044	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0125	45 µFD	191U0129	135 µFD	119-8254E	D450	191U0644E	J8
	OP-HJM(Z)050	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0125	45 µFD	191U0129	135 µFD	119-8254E	D450	191U0644E	J8
	OP-HJM(Z)056	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0137	55 µFD	191U0128	200 µFD	119-8254E	D450	191U0644E	J8
	OP-HJM(Z)064	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0137	55 µFD	191U0134	235 µFD	119-8254E	D450	191U0644E	J8
	OP-HGM(Z)072	118U6013	14	191U127767	N8	191U007710	XFW-5202	----	----	----	----	119-8254E	D450	191U0645E	N8
	OP-HGM(Z)080	118U6013	14	191U127767	N8	191U007710	XFW-5202	----	----	----	----	119-8254E	D450	191U0645E	N8
	OP-HGM(Z)100	118U6013	14	191U127767	N8	191U007710	XFW-5202	----	----	----	----	119-8254E	D450	191U0645E	N8
	OP-HGM(Z)125	118U6014	18	191U127867	Q8	191U007810	XFW-5203	----	----	----	----	119-8255E	D600	193U8025E	Q8
	OP-HGM(Z)144	118U6014	18	191U127867	Q8	191U007810	XFW-5203	----	----	----	----	119-8255E	D600	193U8025E	Q8
	OP-HGM(Z)160	118U6014	18	191U127867	Q8	191U007810	XFW-5203	----	----	----	----	119-8255E	D600	193U8025E	Q8
LBP	OP-LJZ048	118U600908	4	191U127367	D8	191U007610	XFW-5201	191U0125	45 µFD	191U0126	100 µFD	119-8253E	D350	193U8024E	D8
	OP-LJZ068	118U601108	8	191U127367	D8	191U007610	XFW-5201	191U0136	50 µFD	191U0129	135 µFD	119-8253E	D350	193U8024E	D8
	OP-LJZ096	118U601108	8	Not Applicable	G8	191U007710	XFW-5202	191U0125	45 µFD	191U0129	135 µFD	119-8254E	D450	191U0643E	G8
	OP-LJZ108	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0125	45 µFD	191U0129	135 µFD	119-8254E	D450	191U0644E	J8
	OP-LJZ136	118U601108	8	191U127667	J8	191U007710	XFW-5202	191U0125	45 µFD	191U0129	135 µFD	119-8254E	D450	191U0644E	J8
	OP-LGZ215	118U6013	14	191U127767	N8	191U007710	XFW-5202	----	----	----	----	119-8254E	D450	191U0645E	N8
	OP-LGZ271	118U6013	14	191U127767	N8	191U007710	XFW-5202	----	----	----	----	119-8254E	D450	191U0645E	N8

All of the units are equipped with:

- Crankcase resistance PTC 35 W (code 120Z0459);
- High pressure switch model ACB 2UB - 215 W - 26.5/18.0 bar (code 061F6050);
- Low pressure switch model KP1 (code 060-110191).

Lubricating oil:

- For units OP-HJM/OP-HGM: code 7754001 (2-liter pack);
- For units OP-HJZ/OP-HGZ: code 120Z0638 (1-liter pack);
- For units OP-LJZ/OP-LGZ: code 120Z0638 (1-liter pack);

Notes:

(*) The housing is an optional item

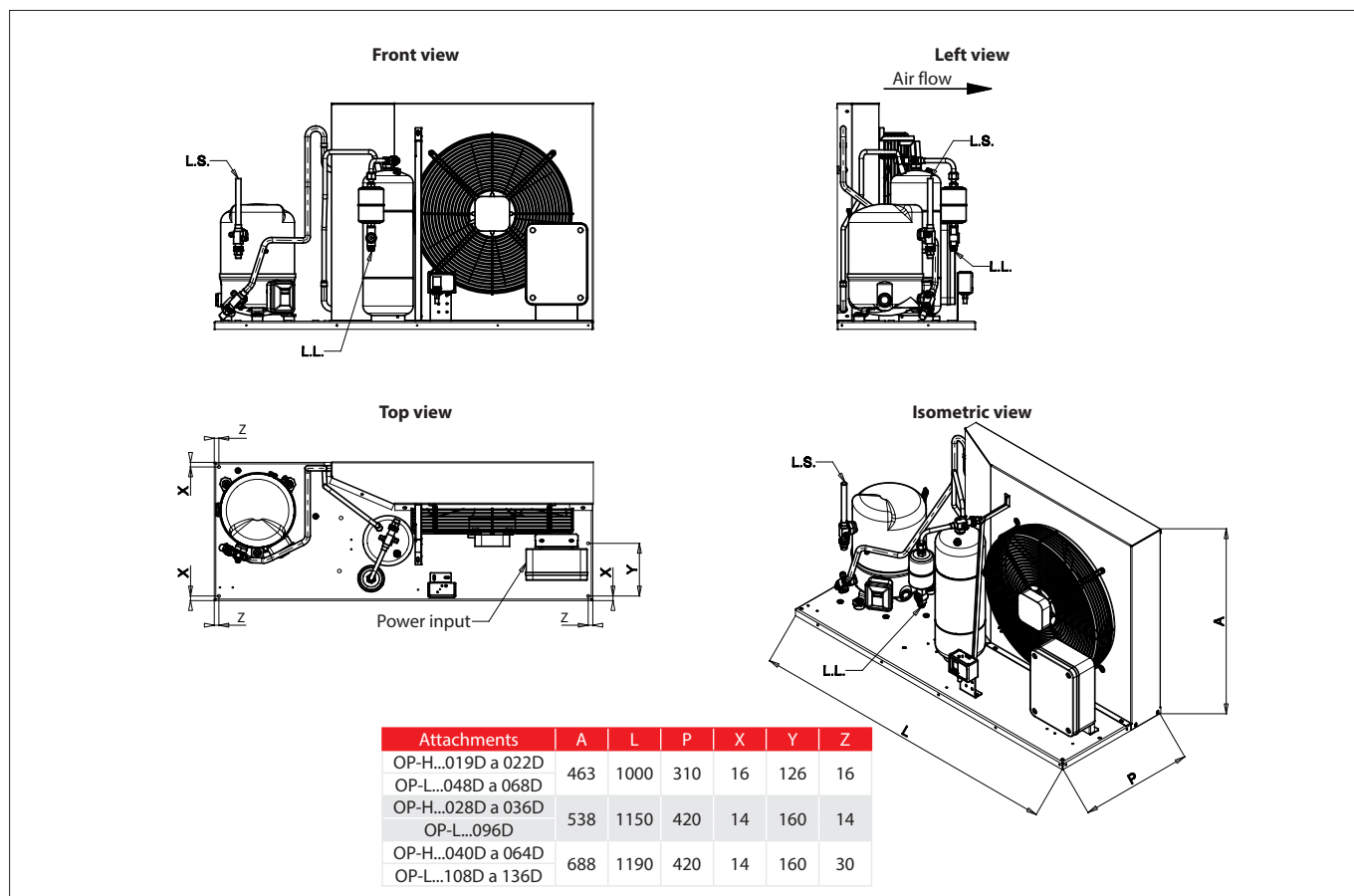
(**) The fan kit consists of a motor, grill, propeller and capacitor.

(***) The condenser kit consists of a microchannel, hood and seal.

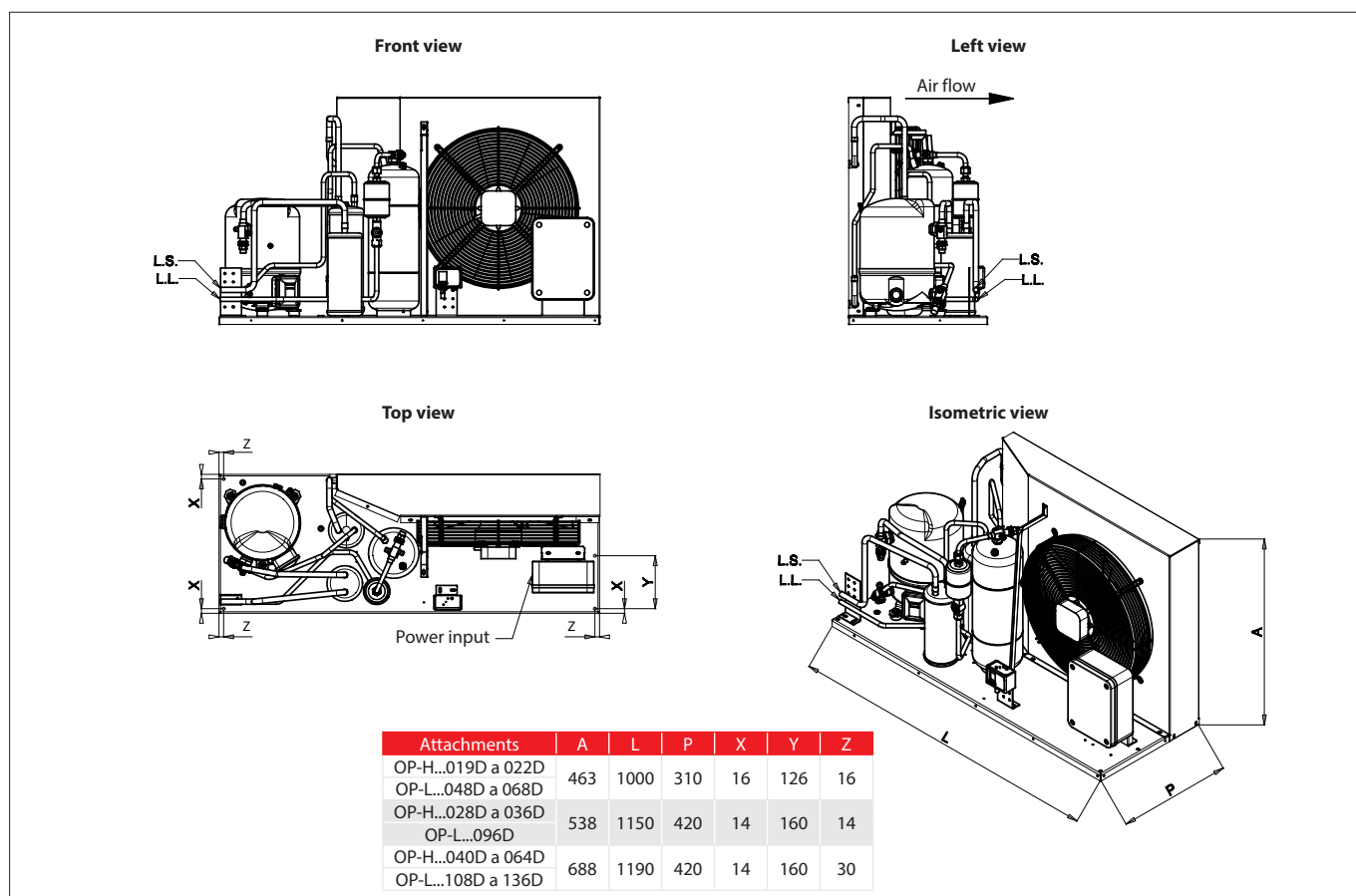
(****) Both valve codes have the same interface and functionality.

Application	Model	Compressor					
		220V 1F 60Hz (N)		220V 3F 60Hz (Q)		380V 3F 60Hz (V)	
		Code	Model	Code	Model	Code	Model
MBP	OP-HJM019D	MT19-1VI	MT19-1VI	MT19-3VI	MT19-3VI	MT19-4VI	MT19-4VI
	OP-HJZ019D	MTZ19-1VI	MTZ19-1VI	MTZ19-3VI	MTZ19-3VI	MTZ19-4VI	MTZ19-4VI
	OP-HJM022D	MT22-1VI	MT22-1VI	MT22-3VI	MT22-3VI	MT22-9VI	MT22-9VI
	OP-HJMZ022D	MTZ22-1VI	MTZ22-1VI	MTZ22-3VI	MTZ22-3VI	MTZ22-9VI	MTZ22-9VI
	OP-HJM028D	MT28-1VI	MT28-1VI	MT28-3VI	MT28-3VI	MT28-9VI	MT28-9VI
	OP-HJZ028D	MTZ28-1VI	MTZ28-1VI	MTZ28-3VI	MTZ28-3VI	MTZ28-9VI	MTZ28-9VI
	OP-HJM032D	MT32-1VI	MT32-1VI	MT32-3VI	MT32-3VI	MT32-9VI	MT32-9VI
	OP-HJZ032D	MTZ32-1VI	MTZ32-1VI	MTZ32-3VI	MTZ32-3VI	MTZ32-9VI	MTZ32-9VI
	OP-HJM036D	MT36-1VI	MT36-1VI	MT36-3VI	MT36-3VI	MT36-9VI	MT36-9VI
	OP-HJZ036D	MTZ36-1VI	MTZ36-1VI	MTZ36-3VI	MTZ36-3VI	MTZ36-9VI	MTZ36-9VI
	OP-HJM040D	MT40-1VI	MT40-1VI	MT40-3VI	MT40-3VI	MT40-4VI	MT40-4VI
	OP-HJMZ040D	MTZ40-1VI	MTZ40-1VI	MTZ40-3VI	MTZ40-3VI	MTZ40-4VI	MTZ40-4VI
	OP-HJM044D	MT44-1VI	MT44-1VI	MT44-3VI	MT44-3VI	MT44-9VI	MT44-9VI
	OP-HJZ044D	MTZ44-1VI	MTZ44-1VI	MTZ44-3VI	MTZ44-3VI	MTZ44-9VI	MTZ44-9VI
	OP-HJM050D	MT50-1VI	MT50-1VI	MT50-3VI	MT50-3VI	MT50-9VI	MT50-9VI
	OP-HJZ050D	MTZ50-1VI	MTZ50-1VI	MTZ50-3VI	MTZ50-3VI	MTZ50-9VI	MTZ50-9VI
LBP	OP-HJM056D	MT56-1VI	MT56-1VI	MT56-3VI	MT56-3VI	MT56-9VI	MT56-9VI
	OP-HJZ056D	MTZ56-1VI	MTZ56-1VI	MTZ56-3VI	MTZ56-3VI	MTZ56-9VI	MTZ56-9VI
	OP-HJM064D	MT64-1VI	MT64-1VI	MT64-3VI	MT64-3VI	MT64-9VI	MT64-9VI
	OP-HJZ064D	MTZ64-1VI	MTZ64-1VI	MTZ64-3VI	MTZ64-3VI	MTZ64-9VI	MTZ64-9VI
	OP-HGM072D	---	---	MT72-3VI	MT72-3VI	MT72-9VI	MT72-9VI
	OP-HGZ072D	---	---	MTZ72-3VI	MTZ72-3VI	MTZ72-9VI	MTZ72-9VI
	OP-HGM080D	---	---	MT80-3VI	MT80-3VI	MT80-9VI	MT80-9VI
	OP-HGZ080D	---	---	MTZ80-3VI	MTZ80-3VI	MTZ80-9VI	MTZ80-9VI
	OP-HGM100D	---	---	MT100-3VI	MT100-3VI	MT100-9VI	MT100-9VI
	OP-HGZ100D	---	---	MTZ100-3VI	MTZ100-3VI	MTZ100-9VI	MTZ100-9VI
	OP-HGM125D	---	---	MT125-3VI	MT125-3VI	MT125-9VI	MT125-9VI
	OP-HGZ125D	---	---	MTZ125-3VI	MTZ125-3VI	MTZ125-9VI	MTZ125-9VI
	OP-HGM144D	---	---	MT144-3VI	MT144-3VI	MT144-9VI	MT144-9VI
	OP-HGZ144D	---	---	MTZ144-3VI	MTZ144-3VI	MTZ144-9VI	MTZ144-9VI
	OP-HGM160D	---	---	MT160-3VI	MT160-3VI	MT160-9VI	MT160-9VI
	OP-HGZ160D	---	---	MTZ160-3VI	MTZ160-3VI	MTZ160-9VI	MTZ160-9VI
	OP-LJZ048D	120F0293	NTZ048-1	120F0279	NTZ048-3	120F0302	NTZ048-9
	OP-LJZ068D	120F0294	NTZ068-1	120F0280	NTZ068-3	120F0303	NTZ068-9
	OP-LJZ096D	120F0295	NTZ096-1	120F0281	NTZ096-3	---	---
	OP-LJZ108D	120F0296	NTZ108-1	120F0282	NTZ108-3	120F0304	NTZ108-9
	OP-LJZ136D	120F0297	NTZ136-1	120F0283	NTZ136-3	120F0305	NTZ136-9
	OP-LGZ215D	---	---	120F0284	NTZ215-3	120F0306	NTZ215-9
	OP-LGZ271D	---	---	120F0285	NTZ271-3	120F0307	NTZ271-9

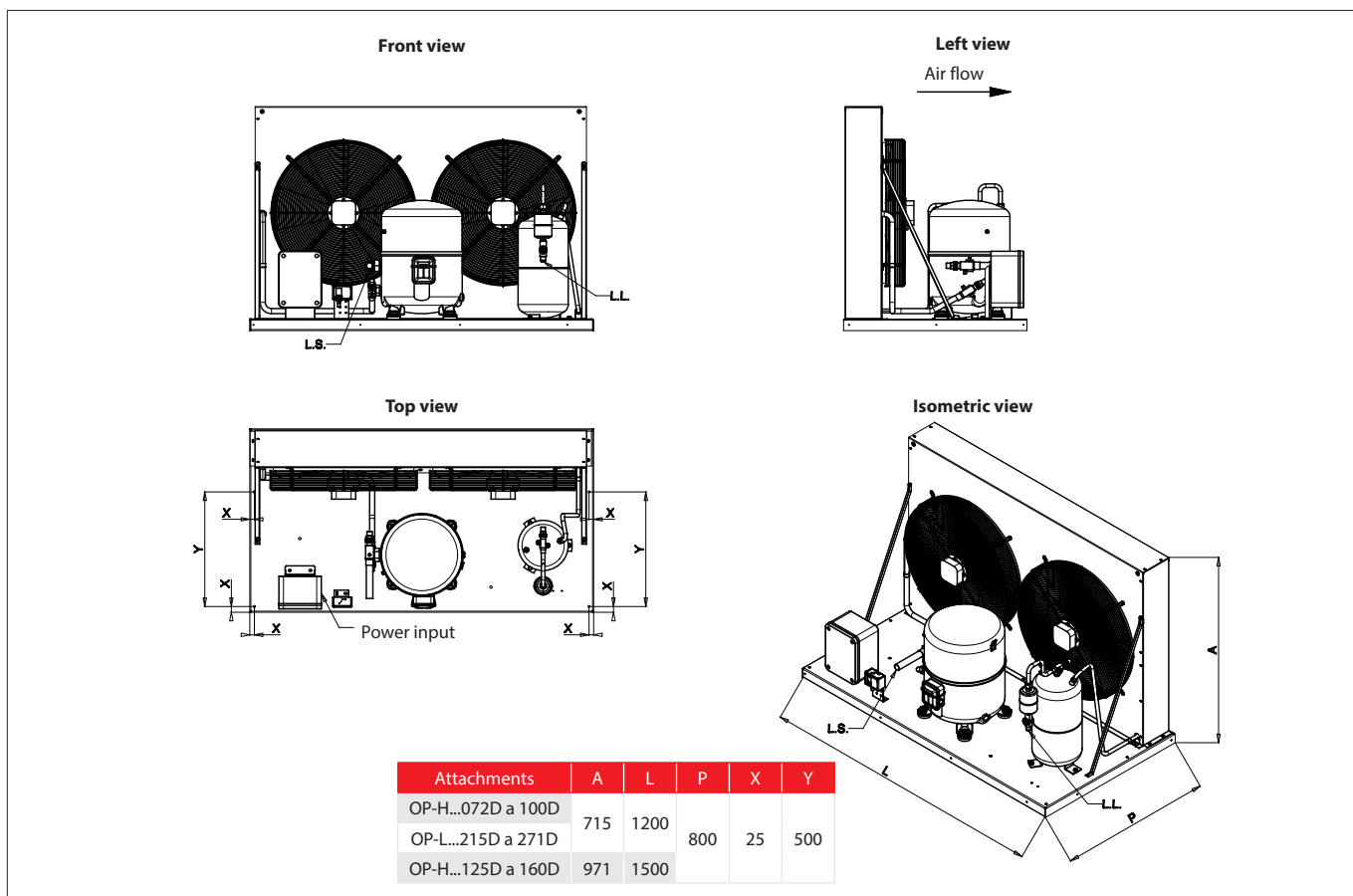
Version D20 e D39 (1 Fan)



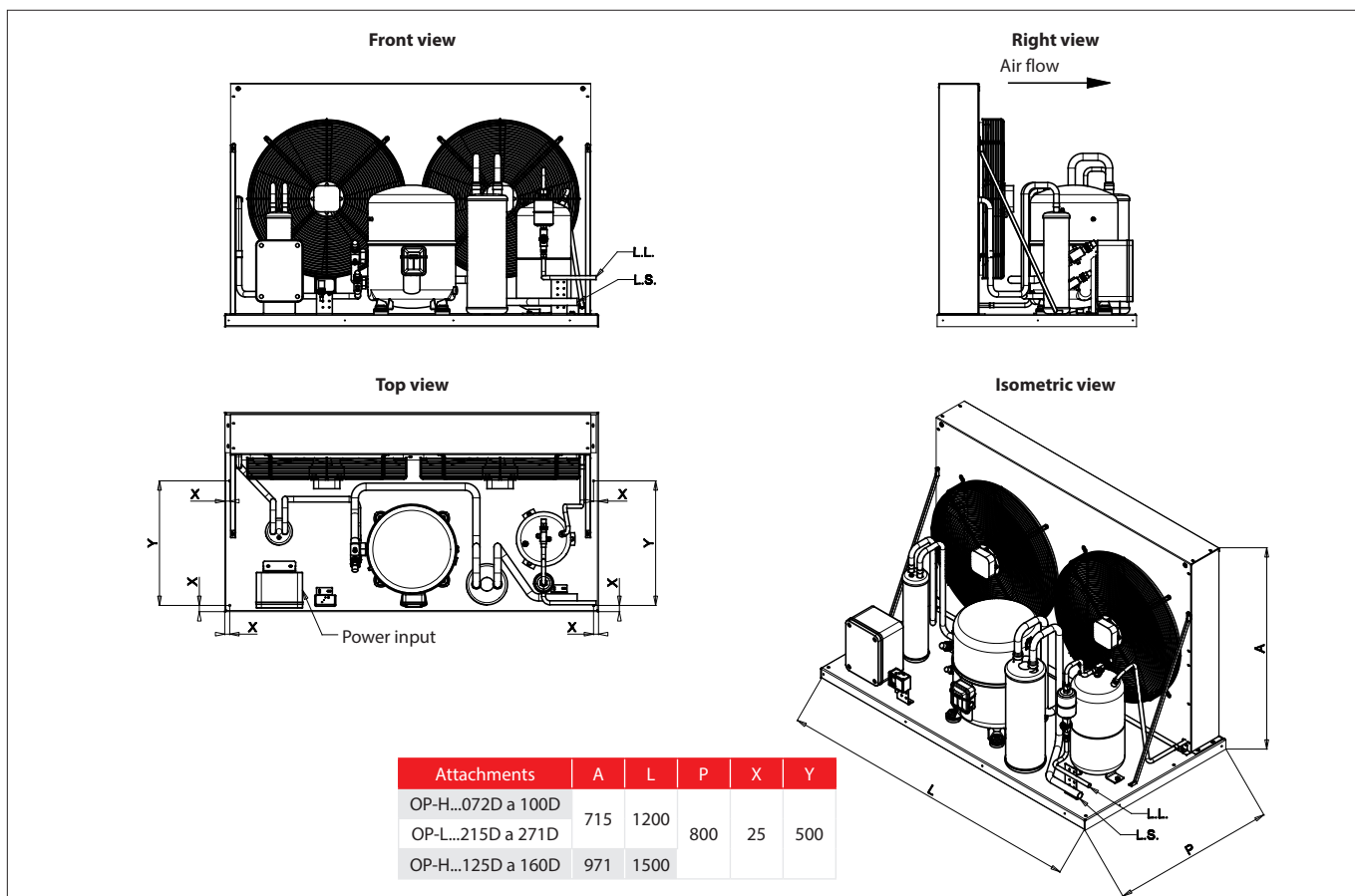
Version D49 (1 Fan)



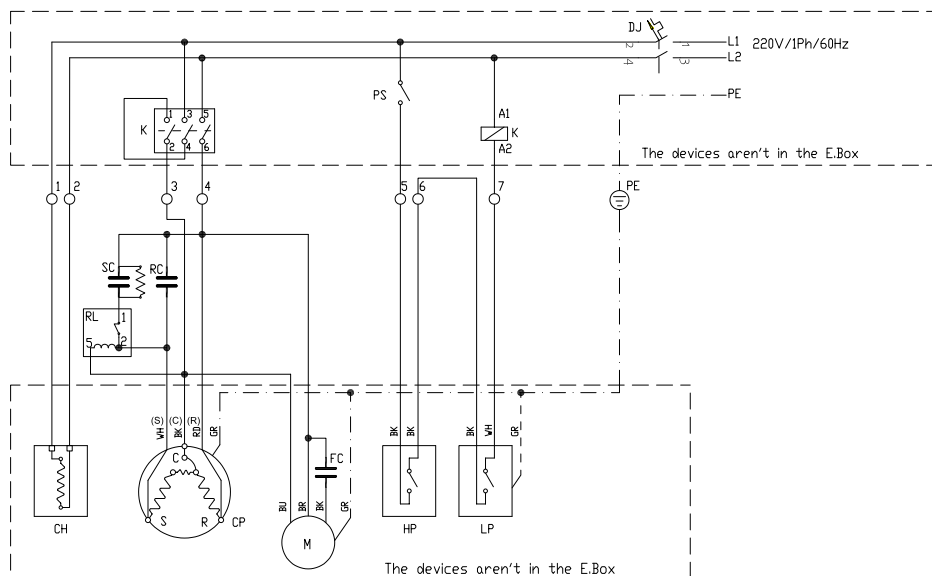
Version D20 e D39 (2 Fans)



Version 49 (2 Fans)



Electrical code N - 230V / 1F / 60Hz



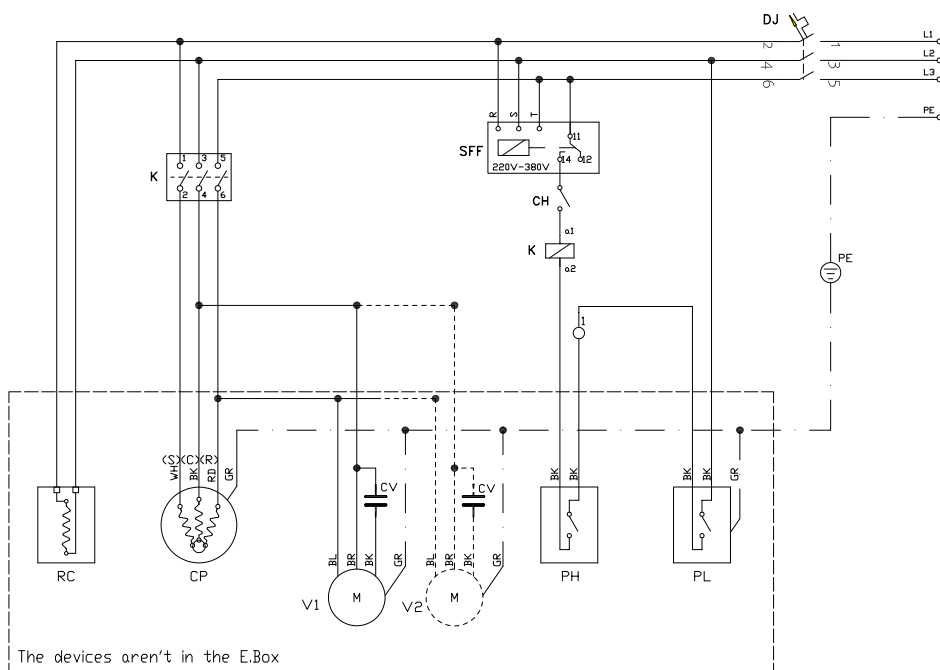
Legenda	
CH	Switch on/off
CP	Compressor
CR	Capacitor run
CS	Capacitor start
CV	Capacitor fan
DJ*	Circuit breaker
K*	Contactor
PH	High pressure switch
PL	Low pressure switch
RC	Crankcase heater
RL	Relay
V	Fan

* Items not available for version D20.

Application	Model	Condensing unit	Compressor 230V / 1F		Fan 230V / 1F	
		MCC [A]	LRA [A]	MCC [A]	FLA [A]	Potência [W]
MBP	OP-HJM(Z)019	14.40	53.0	13.0	1.00	240
	OP-HJM(Z)022	18.40	53.0	17.0	1.00	240
	OP-HJM(Z)028	27.76	81.0	25.0	1.97	450
	OP-HJM(Z)032	29.26	84.0	26.5	1.97	450
	OP-HJM(Z)036	32.76	84.0	30.0	1.97	450
	OP-HJM(Z)040	336.76	99.0	334.0	1.97	450
	OP-HJM(Z)044	33.76	97.0	31.0	1.97	450
	OP-HJM(Z)050	38.76	114.0	36.0	1.97	450
	OP-HJM(Z)056	45.26	136.0	42.5	1.97	450
LBP	OP-HJM(Z)064	48.76	143.0	46.0	1.97	450
	OP-LJZ048	14.60	52.0	13.2	1.00	240
	OP-LJZ068	22.40	76.0	21.0	1.00	240
	OP-LJZ096	33.76	112.0	31.0	1.97	450
	OP-LJZ108	35.76	97.0	33.0	1.97	450
	OP-LJZ136	43.76	140.0	41.0	1.97	450

LRA: Locked Rotor Amperage
MCC: Maximum Continuous Current
FLA: Full Load Amperage

Electrical code Q - 230V / 3F / 60Hz



Legenda	
CH	Switch on/off
CP	Compressor
CV	Capacitor fan
DJ*	Circuit breaker
K*	Contactor
PH	High pressure switch
PL	Low pressure switch
RC	Crankcase heater
SFF*	Sequence phase relay
V1-V2	Fan

* Items not available for version D20.

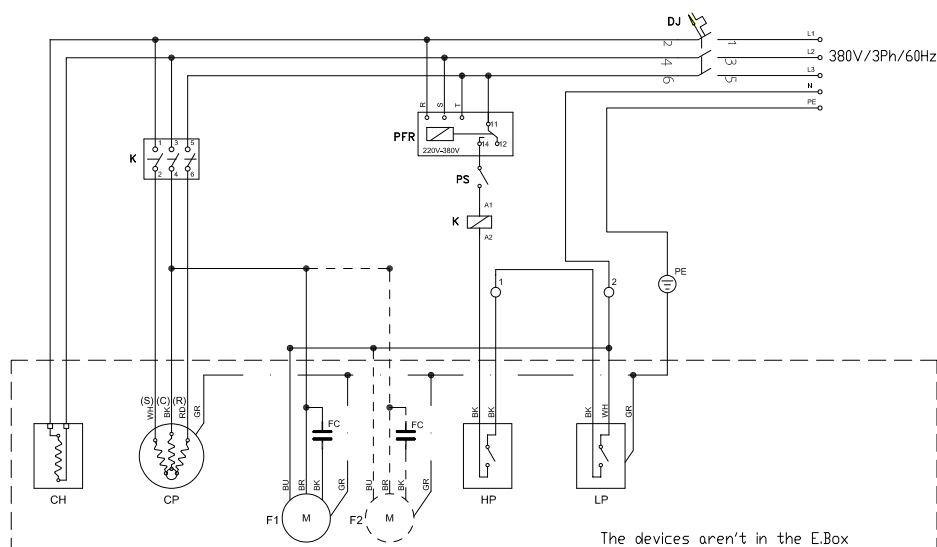
Application	Model	Condensing unit	Compressor 230V / 3F		Fan 230V / 1F	
		MCC [A]	LRA [A]	MCC [A]	FLA [A]	Potência [W]
MBP	OP-HJM(Z)019	10.40	38.0	9.0	1.00	240
	OP-HJM(Z)022	12.40	38.0	11.0	1.00	240
	OP-HJM(Z)028	18.76	57.0	16.0	1.97	450
	OP-HJM(Z)032	20.76	60.0	18.0	1.97	450
	OP-HJM(Z)036	19.76	74.0	17.0	1.97	450
	OP-HJM(Z)040	24.76	98.0	22.0	1.97	450
	OP-HJM(Z)044	19.76	115.0	17.0	1.97	450
	OP-HJM(Z)050	24.76	120.0	22.0	1.97	450
	OP-HJM(Z)056	26.76	130.0	24.0	1.97	450
	OP-HJM(Z)064	30.76	135.0	28.0	1.97	450
	OP-HGM(Z)072	37.52	155.0	32.0	3.94	450 (x2)
	OP-HGM(Z)080	41.52	140.0	36.0	3.94	450 (x2)
	OP-HGM(Z)100	48.52	157.0	43.0	3.94	450 (x2)
	OP-HGM(Z)125	61.84	210.0	54.0	5.60	600 (x2)
	OP-HGM(Z)144	71.84	259.0	64.0	5.60	600 (x2)
	OP-HGM(Z)160	77.84	259.0	70.0	5.60	600 (x2)
LBP	OP-LJZ048	11.50	32.0	10.1	1.00	240
	OP-LJZ068	16.20	48.5	14.8	1.00	240
	OP-LJZ096	23.16	72.0	20.4	1.97	450
	OP-LJZ108	24.16	72.0	21.4	1.97	450
	OP-LJZ136	31.76	97.2	29.0	1.97	450
	OP-LGZ215	47.82	147.7	42.3	3.94	450 (x2)
	OP-LGZ271	62.02	198.0	56.5	3.94	450 (x2)

LRA: Locked Rotor Amperage

MCC: Maximum Continuous Current

FLA: Full Load Amperage

Electrical code V - 380V / 3F / 60Hz



Legenda	
CH	Switch on/off
CP	Compressor
CV	Capacitor fan
DJ*	Circuit breaker
K*	Contactor
PH	High pressure switch
PL	Low pressure switch
RC	Crankcase heater
SFF*	Sequence phase relay
V1-V2	Fan

* Items not available for version D20.

Application	Model	Condensing unit	Compressor 380V / 3F		Fan 230V / 1F	
		MCC [A]	LRA [A]	MCC [A]	FLA [A]	Potência [W]
MBP	OP-HJM(Z)019	6.40	23.0	5.0	1.00	240
	OP-HJM(Z)022	7.40	22.5	6.0	1.00	240
	OP-HJM(Z)028	11.26	32.0	8.5	1.97	450
	OP-HJM(Z)032	11.76	35.0	9.0	1.97	450
	OP-HJM(Z)036	12.26	35.0	9.5	1.97	450
	OP-HJM(Z)040	12.76	38.0	10.0	1.97	450
	OP-HJM(Z)044	15.76	78.0	13.0	1.97	450
	OP-HJM(Z)050	16.26	78.0	13.5	1.97	450
	OP-HJM(Z)056	17.76	72.0	15.0	1.97	450
	OP-HJM(Z)064	20.26	72.0	17.5	1.97	450
	OP-HGM(Z)072	24.02	100.0	18.5	3.94	450 (x2)
	OP-HGM(Z)080	28.02	102.0	22.5	3.94	450 (x2)
	OP-HGM(Z)100	31.52	110.0	26.0	3.94	450 (x2)
	OP-HGM(Z)125	37.84	150.0	30.0	5.60	600 (x2)
LBP	OP-HGM(Z)144	47.84	165.0	40.0	5.60	600 (x2)
	OP-HGM(Z)160	53.84	165.0	46.0	5.60	600 (x2)
	OP-LJZ048	6.40	22.0	5.0	1.00	240
	OP-LJZ068	9.90	29.0	8.5	1.00	240
	OP-LJZ096	13.76	57.0	11.0	1.97	450
	OP-LJZ108	13.76	57.0	11.0	1.97	450
	OP-LJZ136	17.76	64.0	15.0	1.97	450
	OP-LGZ215	28.52	110.0	23.0	3.94	450 (x2)
	OP-LGZ271	35.52	150.0	30.0	3.94	450 (x2)

LRA: Locked Rotor Amperage
MCC: Maximum Continuous Current
FLA: Full Load Amperage

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Danfoss Scrolls



Danfoss Inverter Scrolls



Danfoss Light Commercial Refrigeration Compressors



Danfoss Maneurop Reciprocating Compressors



Danfoss Turbocor Compressors



Danfoss Optyma Condensing Units

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