

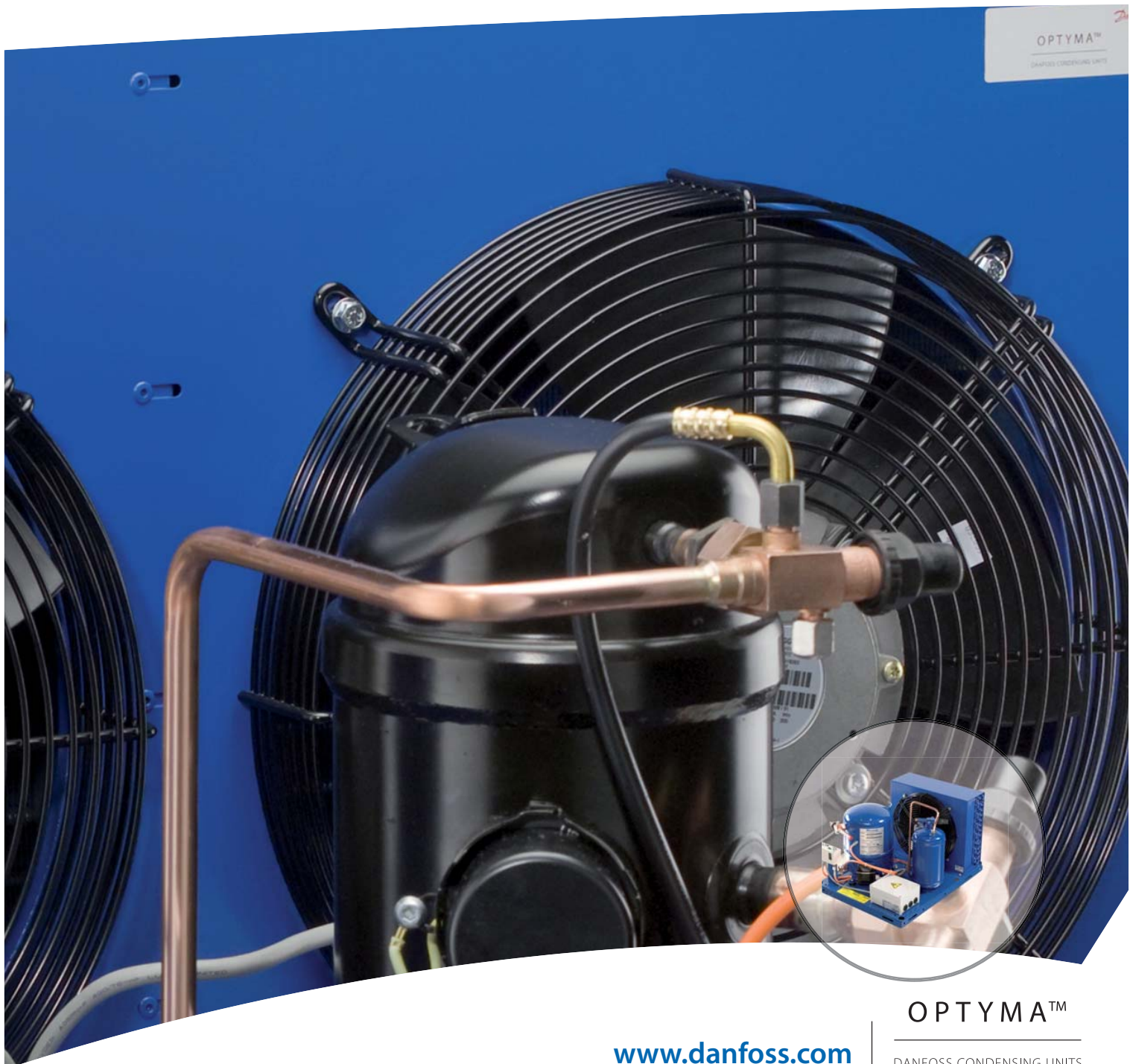
MAKING MODERN LIVING POSSIBLE



Catalogue

Optyma™ condensing unit Scroll and reciprocating compressors

for R404A / R507, R134a and R407C



OPTYMA™
DANFOSS CONDENSING UNITS

www.danfoss.com

OPTYMA™
DANFOSS CONDENSING UNITS

QUICK REFERENCE



Reduce your customers' running costs

Optyma™ condensing unit is a very energy-efficient solution for your application. Due to the large heat transfer area and high COP of our compressors you are going to reduce the energy consumption significantly and therefore cut the energy bill.



Optimise your stock and logistics

Most Optyma™ condensing units can be used with R404A/R507 as well as R134a. A multifunctional condensing unit for a wide variety of applications. It will reduce your stock and improve your logistics.



Installation just got easier

Optyma™ condensing unit saves costs for service and maintenance. The high robustness and easy access to all components, reduce costs for installation even in very harsh environments.



No compromise on quality

We at Danfoss do not accept any concessions regarding quality & reliability for our products. With Optyma™ we provide 100% factory tested units to our customers with a premium quality.



Optyma™ the most reliable and efficient condensing units for the widest application range

Optyma™ is the widest range of hermetic condensing units on the market.

Optyma™ condensing unit is available with high capacity models of reciprocating and scroll compressors so to cover a large range of commercial refrigeration applications, reducing costs and complexity of the systems.

All Optyma™ condensing units are extremely efficient and reliable. That means less energy consumption and less running costs, less cost for service and maintenance. Thanks to scroll compressors, Optyma™ offers also the best solution for applications where

noise and vibration are relevant for the system and the environment where it is installed.

Optyma™ with scroll is a real multi refrigerant condensing unit. It can be used with R404A/R507/R134a refrigerants, so that you can really optimize your stock.

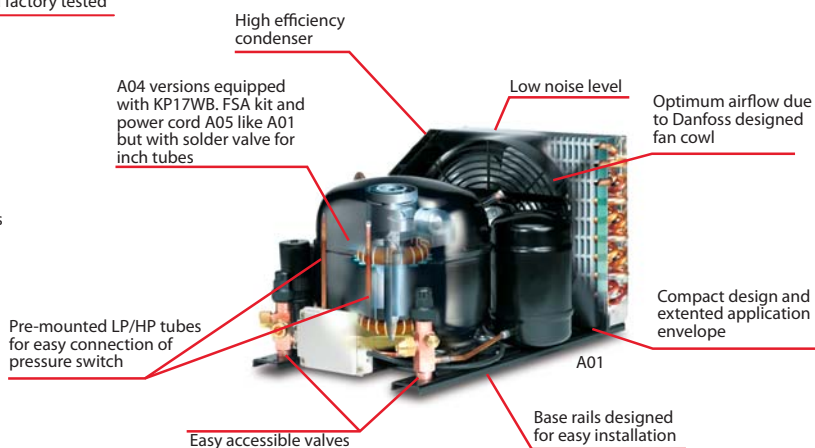
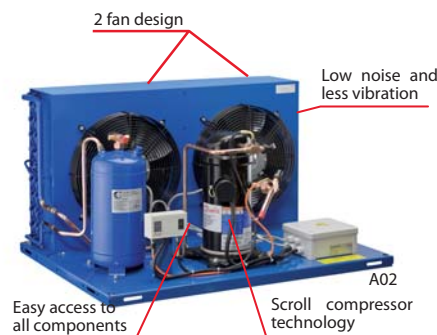
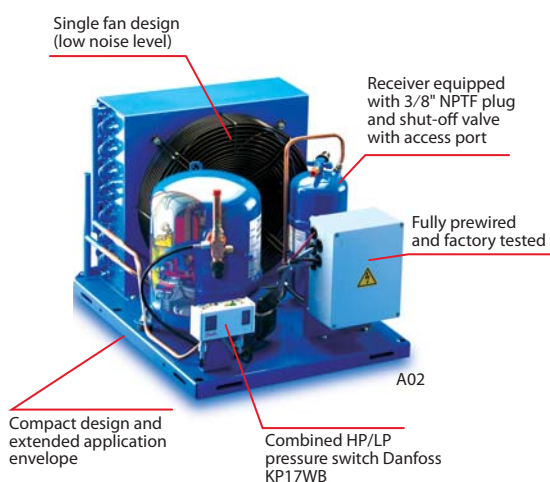
In addition to the wide Optyma™ range we also include local support and guidance if needed. A network of partner wholesalers and local Danfoss teams can offer you help and will do their utmost to fulfil your needs. At Danfoss we simply believe it is important to offer an "Optimum service".

Benefits

- High-efficiency condensers allowing an extended application envelope in higher ambient conditions as standard
- Low electrical consumption and low running cost
- Reliable components for longer life and less warranty call out costs
- Fully pre-wired and factory tested, reducing commissioning time on site
- Built-in grab handles for easier handling on site
- Base plate designed to allow easy mounting on wall brackets
- Flexible add-on design options including: fan speed control, oil separator, pressure switches or weather proof housing
- Easy access to all components for higher serviceability and simplified maintenance
- Compact dimensions and minimum foot print for easy handling, shipping and installation
- More reliable and silent system due to less vibration and less noise of scroll compressor
- Local technical support included
- Perfect for retrofit with systems using old refrigerants

Features

- HFC refrigerants R134a, R404A and R507 (MCZC and MGZC are suitable for use with R407C)
- Capacity: from 0 to 20000 Watt (R404A)
- High COP
- Low noise and low vibration (Scroll compressors)
- 100% factory tested for leakage
- High efficient compressors (MBP + LBP)
- Low energy consumption
- Wide application range
- Powder coated steel parts
- Crankcase heater standard (optional for fractional units)
- Service valves standard with access ports
- Access valves/stubs for easy connection



QUICK REFERENCE

R404A/R507 LBP RECIPROCATING

Nbr of fans	Test conditions	Unit	Version					Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]				Power consumption (W) at -25° evap temp	Application range [°C]
			A00	A01	A02	A04	A05				-35°C	-30°C	-25°C	-20°C		
1	CECOMAF	OP-LCHC004	114X1208	114X1209		114X1211	114X1210	G	TL4CLX	32°C	110	141	177	218	162	38°C: -45°C till -5°C 43°C: -45°C till -15°C
		OP-LCHC006	114X1216	114X1217		114X1219	114X1218	G	FR6CLX	32°C	171	219	273	332	267	38°C: -45°C till -15°C 43°C: -45°C till -30°C
		OP-LCHC008	114X1324	114X1325		114X1327	114X1326	G	FR8.5CLX	32°C	208	268	340	420	336	38°C: -45°C till -10°C 43°C: -45°C till -23.3°C
		OP-LCHC007	114X1328	114X1329		114X1331	114X1330	G	NL7CLX	32°C	234	302	380	497	336	38°C: -45°C till -10°C 43°C: -45°C till -25°C
		OP-LCHC008	114X1304	114X1305		114X1307	114X1306	G	NL8.4CLX	32°C	252	325	407	498	295	38°C: -45°C till -15°C 43°C: -45°C till -25°C
		OP-LCHC010	114X1332	114X1333		114X1335	114X1334	G	SC10CLX	32°C	216	300	393	496	373	38°C: -45°C till -15°C 43°C: -35°C till -25°C
		OP-LCHC012	114X1440	114X1441		114X1443	114X1442	G	SC12CLX	32°C	320	429	547	672	479	38°C: -45°C till -20°C 43°C: -45°C till -30°C
		OP-LCHC012	114X1444	114X1445		114X1447	114X1446	G	SC12CLX.2	32°C	342	438	545	663	473	38°C: -45°C till -20°C 43°C: -45°C till -35°C
		OP-LCHC015	114X1548	114X1549		114X1551	114X1550	G	SC15CLX	32°C	400	521	654	799	558	38°C: -45°C till -23.3°C 43°C: -45°C till -25°C
		OP-LCHC015	114X1552	114X1553		114X1555	114X1554	G	SC15CLX.2	32°C	413	528	657	798	563	38°C: -45°C till -25°C 43°C: -45°C till -35°C
		OP-LCHC018	114X1556	114X1557		114X1559	114X1558	G	SC18CLX	32°C	475	610	751	899	649	38°C: -45°C till -25°C 43°C: -45°C till -35°C
		OP-LCHC018	114X1560	114X1561		114X1563	114X1562	G	SC18CLX.2	32°C	486	618	764	921	683	38°C: -45°C till -20°C 43°C: -45°C till -35°C
	OP-LCHC021	114X1564	114X1565		114X1567	114X1566	G	SC21CLX	32°C	535	680	840	1014	754	38°C: -45°C till -30°C	
	RG720	OP-LCHC026	114X1672	114X1673		114X1675	114X1674	G	GS26CLX	32°C	670	860	1070	1290	1023	38°C: -45°C till -23.3°C 43°C: -45°C till -35°C
		OP-LCHC034	114X1780	114X1781		114X1783	114X1782	G	GS34CLX	32°C	850	1100	1350	1625	1170	38°C: -45°C till -30°C
	SH10	OP-LCHC048			114X5044			G	NTZ048	27°C	1120	1490	1900	2320	887	46°C: -20°C till -35°C 43°C: -15°C till -40°C
					114X5030			D		38°C	840	1150	1470	1810	835	
					114X5037			E		43°C	710	990	1280	1580	795	
		OP-LCHC068			114X5045			G	NTZ068	27°C	1980	2560	3200	3890	1483	
					114X5031			D		38°C	1530	2020	2540	3110	1543	
					114X5038			E		43°C	1350	1790	2270	2780	1563	
OP-LCHC096				114X5032			D	NTZ096	27°C	2280	3000	3820	4750	1771		
				114X5039			E		38°C	1690	2270	2950	3700	1674		
OP-LCHC108				114X5033			D	NTZ108	43°C	1410	1940	2540	3220	1607		
				114X5040			E		27°C	2780	3640	4600	5640	2097		
OP-LCHC136				114X5034			D	NTZ136	38°C	2090	2810	3590	4430	2031		
				114X5041			E		43°C	1780	2430	3140	3890	1966		
OP-LCHC215				114X5035			D	NTZ215	27°C	3560	4600	5770	7050	2910		
				114X5042			E		38°C	2740	3610	4570	5610	2857		
OP-LCHC271				114X5036			D	NTZ271	43°C	2370	3160	4020	4960	2824		
				114X5043			E		27°C	5480	7080	8850	10750	4159		
OP-LGHC048				114X5096			G	NTZ048	38°C	4090	5440	6900	8450	4059		
				114X5089			E		43°C	3430	4660	5980	7380	3929		
OP-LGHC068				114X5097			G	NTZ068	27°C	7390	9450	11700	14100	5584		
				114X5083			D		38°C	5760	7450	9270	11180	5661		
OP-LGHC096				114X5090			E	NTZ096	43°C	4990	6520	8140	9820	5632		
			114X5084			D	27°C		2290	3020	3850	4790	1772			
OP-LGHC108			114X5091			E	NTZ108	38°C	1700	2290	2970	3730	1676			
			114X5085			D		43°C	1420	1950	2560	3250	1610			
OP-LGHC136			114X5092			E	NTZ136	27°C	2840	3730	4740	5840	2097			
			114X5086			D		38°C	2140	2890	3710	4610	2039			
OP-LGHC215			114X5093			E	NTZ215	43°C	1830	2510	3250	4050	1977			
			114X5087			D		27°C	3660	4750	5980	7350	2911			
OP-LGHC271			114X5094			E	NTZ271	38°C	2830	3740	4760	5890	2865			
			114X5088			D		43°C	2450	3280	4200	5220	2831			
			114X5095			E	NTZ271	27°C	5770	7520	9490	11670	4147			
						D		38°C	4370	5860	7520	9330	4098			
						E		43°C	3690	5050	6570	8210	3986			
						D		27°C	7570	9730	12110	14690	5564			
						E		38°C	5930	7710	9660	11730	5662			
						D		43°C	5150	6770	8510	10350	5642			

Test condition EN13215

Ambient temperature
Suction gas temperature

Version: **A00:** Without valves and receiver for capillary tubes
A01: With receiver, 2 stop valves, brackets and copper pipes for KP
A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box
A04: A01 + KP17WB + FSA-kit + power cord (except LCH034)
A05: A01 but solder valve for inch tubes

CECOMAF

Household & similar
32°C
20°C

Electrical code

D Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz
E Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz
G Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

QUICK REFERENCE
R404A/R507 LBP RECIPROCATING

Unit	Condenser coil			Condenser fan Fan blade Ø [mm]	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m ³ /h]	Int. volume [dm ³]			Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-LCHC004	BG2	231	0.25	1X200	0.8	1	226	304	446	1/4"	1/4"		13.8
OP-LCHC006	BG2	231	0.25	1X200	0.8	2	226	304	446	3/8"	1/4"		16.7
OP-LCHC008	BG3	518	0.31	1X230	1.1	2	256	321	458	3/8"	1/4"		17.9
OP-LCHC007	BG3	518	0.31	1X230	1.1	3	256	321	458	3/8"	1/4"		17.9
OP-LCHC008	BG3	518	0.31	1X230	1.1	3	256	321	458	3/8"	1/4"		17.9
OP-LCHC010	BG3	518	0.31	1X230	1.1	4	256	321	458	3/8"	1/4"		17.9
OP-LCHC012	BG4	631	0.40	1X254	1.1	4	296	331	465	3/8"	1/4"		22.0
OP-LCHC012	BG4	631	0.40	1X254	1.1	4	296	331	465	3/8"	1/4"		22.0
OP-LCHC015	BG5	583	0.53	1X254	1.1	4	296	331	465	3/8"	1/4"		23.4
OP-LCHC015	BG5	583	0.53	1X254	1.1	4	296	331	465	3/8"	1/4"		23.4
OP-LCHC018	BG5	583	0.53	1X254	1.1	4	296	331	465	1/2"	1/4"		23.4
OP-LCHC018	BG5	583	0.53	1X254	1.1	4	296	331	465	1/2"	1/4"		23.4
OP-LCHC021	BG5	583	0.53	1X254	1.1	4	296	331	465	1/2"	1/4"		23.4
OP-LCHC026	BG6	1150	0.63	1X300	2.4	7	340	430	480	1/2"	3/8"		39
OP-LCHC034	BG7	990	0.84	1X300	2.4	7	340	430	480	1/2"	3/8"		42
OP-LCHC048	A4	1200	1.2	1 × 300	3	5	402	500	600	5/8"	3/8"	54	45
OP-LCHC068	C4	2150	2.3	1 × 350	6	5	555	630	650	5/8"	1/2"	64	57
OP-LCHC096	D4	2000	3.1	1 × 350	6	5	555	630	650	7/8"	1/2"	78	71
OP-LCHC108	E4	3150	2.5	1 × 400	6	5	605	630	650	7/8"	1/2"	92	80
OP-LCHC136	G4	3150	4.1	1 × 400	8	5	656	755	700	7/8"	1/2"	95	83
OP-LCHC215	J4	6000	4.4	1 × 500	14	5	708	900	900	11/8"	5/8"	151	136
OP-LCHC271	L4	5850	6.3	1 × 500	14	5	759	900	900	11/8"	5/8"	166	151
OP-LGHC048	C3	1450	1.6	2 × 254	3	6	392	700	500	5/8"	3/8"	55	45
OP-LGHC068	D3	2800	1.5	2 × 300	6	6	442	800	600	5/8"	1/2"	62	55
OP-LGHC096	E3	2100	2.2	2 × 300	6	6	442	800	600	7/8"	1/2"	78	71
OP-LGHC108	G3	4600	2.3	2 × 355	8	6	555	1000	700	7/8"	1/2"	102	89
OP-LGHC136	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	107	94
OP-LGHC215	L3	9000	5.1	2 × 450	14	6	671	1200	800	11/8"	5/8"	152	138
OP-LGHC271	L3	8600	5.1	2 × 450	14	6	671	1200	800	11/8"	5/8"	158	144

QUICK REFERENCE
R404A/R507 MBP RECIPROCATING

Nbr of fans	Test conditions	Unit	Version				Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
			A00	A01	A04	A05				-15°C	-10°C	-5°C	0°C	+5°C		
	CECOMAF	OP-MCHC004	114X2208	114X2209	114X2211	114X2210	G	TL4DLX	32°C	265	314	377	450	528	284	38°C: -20°C till 0°C
		OP-MCHC006	114X2316	114X2317	114X2319	114X2318	G	FR6DLX	32°C	428	511	603	705	812	502	38°C: -20°C till 0°C
		OP-MCHC007	114X2424	114X2425	114X2427	114X2426	G	NF7MLX	32°C	577	688	810	941	1080	624	38°C: -23.3°C till -6.7°C
		OP-MCHC010	114X2532	114X2533	114X2535	114X2534	A	SC10MLX	32°C	736	884	1046	1220	1403	728	38°C: -23.3°C till -15°C
		OP-MCHC012	114X2540	114X2541	114X2543	114X2542	G	SC12MLX	32°C	863	1027	1205	1392	1586	890	38°C: -23.3°C till -20°C
		OP-MCHC015	114X2648	114X2649	114X2651	114X2650	G	SC15MLX	32°C	1081	1290	1519	1765	2026	1145	38°C: -23.3°C till -10°C
		OP-MCHC018	114X2756	114X2757	114X2759	114X2758	G	SC18MLX	32°C	1287	1538	1816	2116	2437	1235	38°C: -23.3°C till -6.70°C
		OP-MCHC021	114X2764	114X2765	114X2767	114X2766	G	GS21MLX	32°C	1410	1665	1925	2195	2460	1250	38°C: -20°C till -15°C
		OP-MCHC026	114X2772	114X2773	114X2775	114X2774	G	GS26MLX	32°C	1575	1870	2175	2470	2765	1500	38°C: -20°C till -10°C
		OP-MCHC034	114X2880	114X2881	114X2883	114X2882	G	GS34MLX	32°C	2350	2800	3250	3725	4200	2220	38°C: -20°C till -150°C

Test condition

EN13215

Ambient temperature

Suction temperature

 Version: **A00:** Without valves and receiver for capillary tubes

A01: With receiver, 2 stop valves, brackets and copper pipes for KP

A04: A01 + KP17WB + FSA-kit + power cord (except LCH034)

A05: A01 but solder valve for inch tubes

CECOMAF

Household & similar

32°C

32°C

Electrical code
A - Compressor 220 V/1 phase/50 & 60 Hz, fan 220 V/1 phase/50 & 60 Hz

G - Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

QUICK REFERENCE
R404A/R507 MBP RECIPROCATING

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight [kg]
	Type	Air flow [m ³ /h]	Int. volume [dm ³]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	
OP-MCHC004	BG2	231	0.25	1X200	0.8	1	226	304	446	3/8"	1/4"	13.8
OP-MCHC006	BG3	518	0.31	1X230	1.1	2	256	321	458	3/8"	1/4"	17.9
OP-MCHC007	BG4	631	0.40	1X254	1.1	3	296	331	478	3/8"	1/4"	18.3
OP-MCHC010	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	22.0
OP-MCHC012	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	22.0
OP-MCHC015	BG6	1132	1.1	1X300	1.1	4	350	442	610	1/2"	1/4"	40.6
OP-MCHC018	BG7	827	1.8	1X300	1.1	4	350	442	610	1/2"	1/4"	43.6
OP-MCHC021	BG7	990	0.84	1X300	1.6	7	340	430	480	5/8"	3/8"	36.0
OP-MCHC026	BG7	990	0.84	1X300	1.6	7	340	430	480	5/8"	3/8"	39.0
OP-MCHC034	BG8	2300	1.36	1X350	2.4	8	450	500	600	5/8"	3/8"	44.0

QUICK REFERENCE
R404A/R507 MBP RECIPROCATING

Nbr of fans	Test conditions	Unit	Version	Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
							-15°C	-10°C	-5°C	0°C	+5°C		
	SH = 10K	OP-MCZC030	114X5024	G	MTZ18	27°C	1576	2071	2624	3228	3877	1200	43°C: -30°C till 0°C 46°C: -25°C till -5°C
			114X5000	D		38°C	1217	1608	2049	2537	3070	1300	
			114X5012	E		43°C	1068	1411	1801	2237	2700	1400	
		OP-MCZC038	114X5025	G	MTZ22	27°C	2426	3050	3741	4494	5294	1500	
			114X5001	D		38°C	1863	2369	2934	3550	4215	1600	
			114X5013	E		43°C	1615	2066	2572	3127	3700	1700	
		OP-MCZC048	114X5026	G	MTZ28	27°C	3254	4063	4957	5924	6967	2000	
			114X5002	D		38°C	2514	3195	3944	4760	5641	2100	
			114X5014	E		43°C	2192	2813	3496	4246	5000	2200	
		OP-MCZC054	114X5027	G	MTZ32	27°C	3687	4546	5481	6488	7549	2200	
			114X5003	D		38°C	2876	3582	4356	5187	6074	2400	
			114X5015	E		43°C	2513	3150	3849	4602	5400	2400	
		OP-MCZC060	114X5028	G	MTZ36	27°C	4247	5201	6225	7318	8448	2600	
			114X5004	D		38°C	3356	4134	4968	5853	6786	2822	
			114X5016	E		43°C	2950	3649	4401	5197	6025	2892	
		OP-MCZC068	114X5005	D	MTZ40	27°C	4918	5990	7148	8384	9676	3001	
			114X5017	E		38°C	3919	4792	5734	6729	7786	3254	
			114X5029	G		43°C	3456	4238	5081	5974	6900	3369	
		OP-MCZC086	114X5006	D	MTZ51	27°C	5701	7040	8499	10077	11735	3287	
			114X5018	E		38°C	4446	5540	6741	8044	9444	3494	
			114X5007	D		43°C	3901	4884	5971	7152	8400	3580	
		OP-MCZC096	114X5019	E	MTZ57	27°C	6128	7629	9276	11074	12978	3562	
			114X5008	D		38°C	4811	6049	7418	8914	10534	3797	
			114X5020	E		43°C	4240	5359	6605	7969	9400	3897	
		OP-MCZC108	114X5009	D	MTZ65	27°C	7382	9145	11102	13247	15535	4770	
			114X5021	E		38°C	5787	7242	8866	10646	12589	5014	
			114X5010	D		43°C	5074	6387	7860	9482	11200	5104	
		OP-MCZC121	114X5009	D	MTZ73	27°C	8382	10353	12536	14916	17482	5227	
			114X5021	E		38°C	6591	8225	10052	12055	14224	5505	
			114X5010	D		43°C	5816	7299	8956	10786	12700	5627	
OP-MCZC136	114X5010	D	MTZ81	27°C	9612	11730	14037	16540	19178	6152			
	114X5022	E		38°C	7652	9399	11312	13387	15621	6546			
	114X5011	D		43°C	6779	8359	10098	11985	14000	6711			
OP-MCZC171	114X5011	D	MTZ100	27°C	11053	13656	16464	19472	22596	7281			
	114X5023	E		38°C	8726	10843	13129	15568	18151	7761			
	114X5058	D		43°C	7654	9562	11617	13822	16150	7915			
OP-MGZC215	114X5058	D	MTZ125	27°C	14823	18259	22060	26206	30661	9497			
	114X5073	E		38°C	11644	14483	17638	21097	24845	10092			
	114X5059	D		43°C	10273	12833	15689	18840	22200	10343			
OP-MGZC242	114X5059	D	MTZ144	27°C	16884	20555	24538	28839	33349	10936			
	114X5074	E		38°C	13357	16362	19639	23173	26956	11573			
	114X5060	D		43°C	11776	14478	17440	20638	24126	11826			
OP-MGZC271	114X5060	D	MTZ160	27°C	18832	22958	27470	32351	37485	12137			
	114X5075	E		38°C	14977	18384	22124	26156	30475	12894			
	114X5046	D		43°C	13249	16321	19705	23366	27200	13215			
OP-MGZD030	114X5076	G	MTZ18	27°C	1636	2168	2771	3438	4167	1306			
	114X5046	D		38°C	1264	1683	2166	2707	3302	1392			
	114X5061	E		46°C	1021	1361	1757	2206	2700	1457			
OP-MGZD038	114X5077	G	MTZ22	27°C	2557	3241	4009	4856	5776	1541			
	114X5047	D		38°C	1972	2531	3162	3864	4631	1643			
	114X5062	E		46°C	1562	2027	2558	3152	3750	1708			
OP-MGZD048	114X5078	G	MTZ28	27°C	3327	4177	5119	6151	7267	2003			
	114X5048	D		38°C	2570	3283	4076	4949	5897	2129			
	114X5063	E		46°C	2047	2659	3344	4099	4900	2212			
OP-MGZD054	114X5079	G	MTZ32	27°C	3783	4687	5686	6765	7930	2217			
	114X5049	D		38°C	2951	3700	4525	5424	6392	2354			
	114X5064	E		46°C	2359	2991	3691	4460	5250	2434			
OP-MGZD060	114X5080	G	MTZ36	27°C	4512	5582	6757	8030	9392	2674			
	114X5050	D		38°C	3586	4469	5435	6486	7609	2883			
	114X5065	E		46°C	2911	3658	4477	5364	6250	3006			
OP-MGZD068	114X5051	D	MTZ40	27°C	5285	6511	7867	9345	10937	2991			
	114X5066	E		38°C	4261	5275	6396	7615	8936	3247			
	114X5081	G		46°C	3494	4351	5299	6334	7400	3441			
OP-MGZD086	114X5081	G	MTZ51	27°C	6069	7564	9232	11053	13028	3308			
	114X5052	D		38°C	4739	5971	7346	8866	10516	3531			
	114X5067	E		46°C	3828	4865	6033	7330	8700	3677			
OP-MGZD096	114X5053	D	MTZ57	27°C	6348	7938	9713	11648	13750	3651			
	114X5068	E		38°C	4987	6308	7782	9405	11174	3894			
	114X5054	D		46°C	4055	5177	6436	7840	9300	4057			
OP-MGZD108	114X5054	D	MTZ65	27°C	7724	9640	11791	14172	16777	4298			
	114X5069	E		38°C	6077	7667	9457	11456	13648	4565			
	114X5055	D		46°C	4901	6251	7779	9501	11300	4717			
OP-MGZD121	114X5055	D	MTZ73	27°C	8491	10508	12757	15209	17875	4806			
	114X5070	E		38°C	6676	8356	10231	12299	14553	5088			
	114X5056	D		46°C	5434	6859	8462	10256	12150	5286			
OP-MGZD136	114X5056	D	MTZ81	27°C	10146	12476	15057	17880	20948	6233			
	114X5071	E		38°C	8102	10042	12194	14566	17139	6650			
	114X5057	D		46°C	6659	8312	10158	12194	14300	6928			
OP-MGZD171	114X5057	D	MTZ100	27°C	11709	14606	17800	21268	24996	7292			
	114X5072	E		38°C	9309	11688	14303	17153	20210	7846			
	114X5115	D		46°C	7532	9550	11760	14178	16750	8127			
OP-MGZD215	114X5115	D	MTZ125	27°C	15416	19070	23137	27599	32426	9363			
	114X5118	E		38°C	12139	15166	18553	22308	26396	9987			
	114X5116	D		46°C	9905	12465	15362	18587	22000	10399			
OP-MGZD242	114X5116	D	MTZ144	27°C	17606	21519	25832	30487	35497	10432			
	114X5119	E		38°C	13988	17228	20789	24659	28826	11110			
	114X5117	D		46°C	11406	14140	17156	20470	23900	11529			
OP-MGZD271	114X5117	D	MTZ160	27°C	19694	24176	29133	34542	40372	11938			
	114X5120	E		38°C	15721	19448	23575	28112	33009	12744			
	114X5120	E		46°C	12878	16041	19569	23450	27500	13278			

Test condition

 EN13215
 Ambient temperature
 Suction temperature

CECOMAF

 Household & similar
 32°C
 32°C

Electrical code

 D - Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz
 E - Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz
 G - Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

 Version: **A02:** With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box

QUICK REFERENCE
R404A/R507 MBP RECIPROCATING

Unit	Condenser coil			Condenser fan Fan blade Ø [mm]	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m ³ /h]	Int. volume [dm ³]			Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-MCZC030	A4	1200	1.2	1 × 300	3	5	408	500	600	1/2"	3/8"	54	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	56	47
OP-MCZC048	C4	2150	2.3	1 × 350	6	5	555	630	650	1/2"	1/2"	64	57
OP-MCZC054	C4	2150	2.3	1 × 350	6	5	555	630	650	5/8"	1/2"	65	58
OP-MCZC060	D4	2000	3.1	1 × 350	6	5	555	630	650	5/8"	1/2"	68	61
OP-MCZC068	E4	3150	2.5	1 × 400	6	5	605	630	650	5/8"	1/2"	72	65
OP-MCZC086	F4	3300	3.1	1 × 400	8	5	656	755	700	7/8"	1/2"	95	83
OP-MCZC096	G4	3150	4.1	1 × 400	8	5	656	755	700	7/8"	1/2"	100	88
OP-MCZC108	H4	4300	4.1	1 × 500	8	5	656	755	700	7/8"	1/2"	113	101
OP-MCZC121	J4	6000	4.4	1 × 500	10	5	708	900	900	1 1/8"	1/2"	127	113
OP-MCZC136	K4	6200	4.7	1 × 500	10	5	759	900	900	1 1/8"	1/2"	140	126
OP-MCZC171	L4	5850	6.3	1 × 500	14	5	759	900	900	1 1/8"	5/8"	162	147
OP-MGZC215	M4	11000	7.4	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	191	176
OP-MGZC242	M4	11000	7.4	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	194	179
OP-MGZC271	N4	9200	12.3	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	199	184
OP-MGZD030	C3	1300	1.7	2 × 254	3	6	392	700	500	1/2"	3/8"	56	46
OP-MGZD038	D3	2800	1.5	2 × 300	6	6	442	800	600	1/2"	1/2"	60	53
OP-MGZD048	E3	2600	2.2	2 × 300	6	6	442	800	600	1/2"	1/2"	64	57
OP-MGZD054	E3	2600	2.2	2 × 300	6	6	442	800	600	5/8"	1/2"	65	58
OP-MGZD060	G3	4600	2.3	2 × 355	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 355	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	107	93
OP-MGZD096	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	109	95
OP-MGZD108	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	113	99
OP-MGZD121	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	115	101
OP-MGZD136	L3	8600	5.1	2 × 450	10	6	671	1200	800	1 1/8"	1/2"	133	118
OP-MGZD171	M3	8200	6.8	2 × 450	14	6	671	1200	800	1 1/8"	5/8"	158	144
OP-MGZD215	N4	9200	12.25	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	196	180
OP-MGZD242	N4	9200	12.25	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	199	183
OP-MGZD271	U	14000	14.2	2 × 600	14	6	975	1500	870	1 1/8"	5/8"	230	212

QUICK REFERENCE

R404A/R507 MBP SCROLL

Nbr of fans	Test conditions	Unit	Version	Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
							-15°C	-10°C	-5°C	-0°C	+5°C		
	SH = 10K	OP-MCUC034	114X5564	G	MLZ015	27°C	2635	3087	3549	4020	4491	1911	38°C: -25°C till 10°C 43°C: -20°C till 5°C
			114X5576	D		38°C	1911	2281	2654	3027	3402	2506	
			114X5568	E		43°C	1538	1876	2213	2547	2884	2851	
		OP-MCUC043	114X5565	G	MLZ019	27°C	3258	3716	4179	4653	5133	2624	
			114X5577	D		38°C	2472	2815	3162	3524	3891	3186	
			114X5569	E		43°C	2090	2384	2679	2972	3274	3463	
		OP-MCUC057	114X5566	G	MLZ026	27°C	5305	6226	7222	8286	9408	2667	
			114X5578	D		38°C	4332	5082	5890	6753	7666	3382	
			114X5570	E		43°C	3845	4520	5243	6017	6838	3787	
		OP-MCUC068	114X5567	G	MLZ030	27°C	6278	7357	8517	9748	11044	3224	
			114X5579	D		38°C	5108	5974	6907	7903	8958	4043	
			114X5571	E		43°C	4533	5300	6131	7021	7970	4483	
		OP-MCUC080	114X5580	D	MLZ038	27°C	7744	9116	10604	12202	13901	3652	
			114X5572	E		38°C	6371	7491	8703	10005	11400	4584	
				43°C		5698	6703	7791	8961	10219	5096		
		OP-MCUC107	114X5581	D	MLZ048	27°C	10047	11785	13663	15685	17857	4844	
			114X5573	E		32°C	8232	9647	11170	12811	14579	6122	
				43°C		7345	8612	9973	11445	13036	6836		
		OP-MGUC148	114X5582	D	MLZ066	27°C	13608	15956	18471	21138	23944	6586	
			114X5574	E		38°C	11188	13126	15175	17335	19609	8233	
				43°C		9988	11746	13591	15529	17571	9155		
		OP-MGUC162	114X5583	D	MLZ076	27°C	16241	18945	21853	24995	28365	7297	
			114X5575	E		38°C	13236	15217	17383	19748	22344	8967	
				43°C		11809	13422	15219	17218	19454	9852		
OP-MGUD034	114X5507	G	MLZ015	27°C	3097	3681	4309	4979	5689	1545			
	114X5512	D		38°C	2437	2926	3442	3986	4560	2020			
	114X5523	E		46°C	1888	2314	2755	3214	3697	2479			
OP-MGUD043	114X5508	G	MLZ019	27°C	4115	4844	5637	6496	7420	1952			
	114X5513	D		38°C	3398	3994	4639	5338	6095	2454			
	114X5524	E		46°C	2816	3317	3856	4442	5084	2871			
OP-MGUD057	114X5510	G	MLZ026	27°C	5433	6398	7449	8582	9788	2571			
	114X5515	D		38°C	4472	5264	6124	7050	8038	3258			
	114X5526	E		46°C	3693	4360	5082	5861	6695	3909			
OP-MGUD068	114X5511	G	MLZ030	27°C	6637	7844	9164	10591	12113	2961			
	114X5516	D		38°C	5495	6483	7566	8740	9999	3728			
	114X5527	E		46°C	4582	5406	6314	7305	8379	4412			
OP-MGUD080	114X5517	D	MLZ038	27°C	8038	9516	11141	12907	14811	3446			
	114X5528	E		38°C	6685	7906	9244	10700	12273	4330			
		46°C		5610	6641	7771	9003	10340	5139				
OP-MGUD107	114X5519	D	MLZ048	27°C	10534	12444	14542	16837	19333	4497			
	114X5530	E		38°C	8754	10331	12057	13948	16012	5686			
		46°C		7341	8674	10128	11726	13482	6791				
OP-MGUD148	114X5521	D	MLZ066	27°C	14006	16492	19185	22072	25144	6310			
	114X5532	E		38°C	11617	13683	15893	18249	20756	7883			
		46°C		9694	11466	13338	15322	17425	9352				
OP-MGUD162	114X5522	D	MLZ076	27°C	16760	19669	22835	26293	30042	6995			
	114X5533	E		38°C	13765	15950	18362	21018	23954	8622			
		46°C		11465	13043	14840	16877	19196	10046				

Test condition
EN13215

SH10K

Electrical code

D - Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz

E - Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz

G - Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

Version: A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box

QUICK REFERENCE
R404A/R507 MBP SCROLL

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m3/h]	Int. volume [dm3]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-MCUC034	C4	2150	2.3	1 x 350	6	9	555	630	650	3/4"	1/2"	72	65
OP-MCUC043	C4	2150	2.3	1 x 350	6	9	555	630	650	3/4"	1/2"	72	65
OP-MCUC057	E4	3150	2.5	1 x 400	6	9	605	630	650	3/4"	1/2"	77	70
OP-MCUC068	F4	3300	3.1	1 x 400	8	9	656	755	700	7/8"	1/2"	95	83
OP-MCUC080	H4	4300	4.1	1 x 500	8	9	656	755	700	7/8"	1/2"	111	99
OP-MCUC107	K4	6200	4.7	1 x 500	10	9	759	900	900	7/8"	1/2"	136	122
OP-MGUC148	L3	8600	5.1	2 X 450	10	9	671	1200	800	1 1/8"	1/2"	139	125
OP-MGUC162	M4	11000	7.4	2 x 500	14	9	759	1350	820	1 1/8"	5/8"	172	157
OP-MGUD034	D3	2800	1.5	2 x 300	6	9	442	800	600	3/4"	1/2"	70	63
OP-MGUD043	E3	2600	2.2	2 x 300	6	9	442	800	600	3/4"	1/2"	72	65
OP-MGUD057	G3	4600	2.3	2 x 355	8	9	555	1000	700	3/4"	1/2"	72	63
OP-MGUD068	H3	3600	4.7	2 x 355	8	9	555	1000	700	7/8"	1/2"	107	93
OP-MGUD080	J3	5400	4.7	2 x 400	8	9	555	1000	700	7/8"	1/2"	108	95
OP-MGUD107	L3	8600	5.1	2 x 450	10	9	671	1200	800	7/8"	1/2"	129	114
OP-MGUD148	M3	8200	6.8	2 x 450	10	9	671	1200	800	1 1/8"	1/2"	141	126
OP-MGUD162	N4	9200	12.3	2 x 500	14	9	750	1350	870	1 1/8"	5/8"	177	161

QUICK REFERENCE
R134a LBP/MBP/HBP RECIPROCATING

Nbr of fans	Test conditions	Unit	Version				Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]						Power consumption (W)	Application range [°C]	
			A00	A01	A04	A05				-30°C	-20°C	-10°C	0°C	+5°C	+10°C			
	CECOMAF	OP-UCGC003	114X0104	114X0105	114X0107	114X0106	G	TL3GX	32°C	52	91	147	220	263	309	93	-30°C till +15°C	
		OP-UCGC004	114X0108	114X0109	114X0111	114X0110	G	TL4GX	32°C	67	115	182	269	320	377	110	-30°C till +7.2°C	
		OP-UCGC005	114X0112	114X0113	114X0115	114X0114	G	TL5GX	32°C	83	139	217	317	374	436	123	-30°C till +0°C	
		OP-UCGC006	114X0200	114X0201	114X0203	114X0202	G	FR6GX	32°C	106	185	294	437	522	617	145	-30°C till +10°C	
		OP-MCGC006	114X0228	114X0229	114X0231	114X0230	A	NL6.1MF	32°C		192	306	453	537	628	142	-20°C till +10°C	
		OP-MCGC007	114X0244	114X0245	114X0247	114X0246	A	NL7.3MF	32°C		237	372	541	638	742	173	-20°C till +5°C	
		OP-UCGC007	114X0216	114X0217	114X0219	114X0218	G	FR7.5GX	32°C	114	201	321	478	571	674	159	-30°C till +10°C	
		OP-UCGC008	114X0224	114X0225	114X0227	114X0226	G	FR8.5GX	32°C	141	240	376	550	652	762	181	-30°C till +5°C	
		OP-MCGC008	114X0352	114X0353	114X0355	114X0354	A	NL8.4MF	32°C		283	446	657	780	915	198	-20°C till +15°C	
		OP-MCGC010	114X0360	114X0361	114X0363	114X0362	A	NL10MF	32°C		347	536	780	922	1076	243	-20°C till +7.25°C	
		OP-UCGC010	114X0232	114X0233	114X0235	114X0234	G	FR10GX	32°C	149	254	396	580	688	805	207	-30°C till +5°C	
		OP-UCGC011	114X0336	114X0336	114X0339	114X0338	G	FR11GX	32°C	168	327	510	737	875		236	-30°C till +5°C	
		OP-MCGC011	114X0376	114X0377	114X0379	114X0378	G	NL11MF	32°C		378	582	842	992	1154	265	-20°C till +5°C	
		OP-UCGC012	114X0340	114X0341	114X0343	114X0342	G	SC12GX	32°C	202	381	610	880	1029	1185	261	-35°C till +0°C	
		OP-UCGC015	114X0448	114X0449	114X0451	114X0450	G	SC15GX	32°C		463	731	1045	1220	1405	323	-25°C till +0°C	
		OP-UCGC018	114X0556	114X0557	114X0559	114X0558	G	SC18GX	32°C		531	833	1210	1432	1682	367	-25°C till +05°C	
		OP-MCGC021	114X0568	114X0569	114X0571	114X0570	G	SC21MF	32°C		628	947	1344	1568	1808	463	-23.5°C till -5°C	
		OP-UCGC021	114X0564	114X0565	114X0567	114X0566	G	SC21GX	32°C		622	981	1414	1652	1902	437	-25°C till -5°C	
		RGT20	OP-UCGC026	114X0772	114X0773	114X0775	114X0774	G	GS26MFX	32°C		820	1290	1890	2230		(-20°C) 660	-20°C till +7.2°C
			OP-UCGC034	114X0780	114X0781	114X0783	114X0782	G	GS34MFX	32°C		990	1500	2100	2450		(-20°C) 700	-20°C till +0°C

Test condition RGT20

EN13215 Constant suction gas temperature

 Version: **A00**: Without valves and receiver for capillary tubes

A01: With receiver, 2 stop valves, brackets and copper pipes for KP

A04: A01 + KP17WB + FSA-kit + power cord (except LCH034)

A05: A01 but solder valve for inch tubes

CECOMAF

Household & similar

Electrical code

A: Compressor 220 V/1 phase/50+60 Hz, fan 220 V/1 phase/50+60 Hz

G: Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

QUICK REFERENCE
R134a LBP/MBP/HBP RECIPROCATING

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight
	Type	Air flow [m ³ /h]	Int. volume [dm ³]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	
OP-UCGC003	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	13.2
OP-UCGC004	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	13.2
OP-UCGC005	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	13.2
OP-UCGC006	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	16.7
OP-UCGC007	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	16.7
OP-UCGC008	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	16.7
OP-UCGC010	BG2	231	0.25	1x200	0.8	4	226	304	432	3/8"	1/4"	16.7
OP-UCGC011	BG3	518	0.31	1x230	1.1	4	256	321	444	3/8"	1/4"	17.9
OP-UCGC012	BG3	518	0.31	1x230	1.1	4	256	321	444	3/8"	1/4"	17.9
OP-UCGC015	BG4	631	0.40	1x254	1.1	4	296	331	451	3/8"	1/4"	22
OP-UCGC018	BG5	583	0.53	1x254	1.1	4	296	331	473	3/8"	1/4"	23.4
OP-UCGC021	BG5	583	0.53	1x254	1.1	4	296	331	513	3/8"	1/4"	23.4
OP-UCGC026	BG7	990	0.84	1x300	2.4	7	340	430	480	3/8"	1/4"	34.5
OP-UCGC034	BG7	990	0.84	1x300	2.4	7	340	430	480	1/2"	3/8"	36

R134a

QUICK REFERENCE
R134a MBP RECIPROCATING

Nbr of fans	Test conditions	Unit	Version	Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
							-15°C	-10°C	-5°C	-0°C	+5°C		
	SH=10K	OP-MCZC030	114X5024	G	MTZ18	27°C	991	1350	1768	2238	2757	714	46°C: -15°C till +10°C 43°C: -15°C till +15°C
			114X5000	D		38°C	736	1054	1417	1820	2259	756	
			114X5012	E		43°C	643	938	1270	1638	2038	767	
		114X5025	G	27°C	1293	1745	2280	2895	3589	883			
		OP-MCZC038	114X5001	D	MTZ22	38°C	994	1394	1858	2388	2981	933	
			114X5013	E		43°C	879	1249	1676	2164	2708	947	
			114X5026	G		27°C	1631	2167	2824	3609	4517	1054	
		OP-MCZC048	114X5002	D	MTZ28	38°C	1314	1783	2355	3031	3814	1135	
			114X5014	E		43°C	1197	1628	2153	2774	3494	1166	
			114X5027	G		27°C	1882	2502	3250	4124	5123	1296	
		OP-MCZC054	114X5003	D	MTZ32	38°C	1497	2044	2695	3452	4313	1369	
			114X5015	E		43°C	1344	1850	2450	3149	3942	1392	
			114X5028	G		27°C	2513	3217	4040	4978	6029	1471	
		OP-MCZC060	114X5004	D	MTZ36	38°C	2099	2725	3448	4265	5176	1588	
			114X5016	E		43°C	1917	2502	3174	3932	4771	1630	
			114X5005	D		27°C	2918	3654	4496	5446	6499	1606	
		OP-MCZC068	114X5017	E	MTZ40	38°C	2509	3174	3926	4766	5691	1774	
			114X5029	G		43°C	2313	2940	3645	4430	5293	1838	
			114X5006	D		27°C	3168	4150	5319	6672	8201	2058	
		OP-MCZC086	114X5006	D	MTZ51	38°C	2472	3348	4378	5558	6884	2158	
			114X5018	E		43°C	2210	3025	3979	5069	6294	2187	
			114X5007	D		27°C	3534	4644	5958	7473	9181	2243	
		OP-MCZC096	114X5019	E	MTZ57	38°C	2770	3761	4922	6251	7743	2349	
			114X5008	D		43°C	2465	3393	4476	5712	7100	2380	
			114X5020	E		27°C	4049	5329	6847	8601	10589	2996	
		OP-MCZC108	114X5020	E	MTZ65	38°C	3173	4327	5680	7234	8982	3114	
			114X5009	D		43°C	2818	3905	5171	6623	8254	3148	
			114X5021	E		27°C	4846	6306	8020	9985	12197	3227	
		OP-MCZC121	114X5021	E	MTZ73	38°C	3825	5141	6671	8410	10363	3341	
			114X5010	D		43°C	3375	4617	6054	7689	9514	3323	
			114X5010	D		27°C	5635	7264	9168	11341	13778	3647	
		OP-MCZC136	114X5022	E	MTZ81	38°C	4561	6027	7719	9634	11772	3808	
			114X5011	D		43°C	4092	5468	7052	8841	10827	3858	
			114X5011	D		27°C	6081	7995	10264	12879	15833	4100	
		OP-MCZC171	114X5023	E	MTZ100	38°C	4826	6539	8543	10836	13404	4351	
			114X5058	D		43°C	4347	5950	7810	9936	12313	4435	
			114X5058	D		27°C	7985	10401	13258	16562	20303	5303	
		OP-MGZC215	114X5073	E	MTZ125	38°C	6248	8434	10980	13904	17196	5519	
			114X5059	D		43°C	5533	7588	9972	12704	15774	5566	
			114X5059	D		27°C	9716	12466	15663	19289	23328	6441	
		OP-MGZC242	114X5074	E	MTZ144	38°C	7842	10281	13079	16218	19688	6822	
			114X5060	D		43°C	7038	9307	11897	14787	17968	6967	
			114X5060	D		27°C	11030	14146	17804	21989	26687	6839	
		OP-MGZC271	114X5075	E	MTZ160	38°C	9080	11859	15067	18716	22776	7231	
			114X5076	G		43°C	8271	10856	13827	17197	20940	7389	
114X5076	G		27°C	1020		1395	1832	2333	2892	769			
OP-MGZD030	114X5046	D	MTZ18	38°C	755	1087	1468	1898	2376	815			
	114X5061	E		46°C	607	897	1228	1599	2009	832			
	114X5077	G		27°C	1334	1806	2369	3024	3772	887			
OP-MGZD038	114X5047	D	MTZ22	38°C	1025	1442	1933	2500	3145	942			
	114X5062	E		46°C	840	1206	1635	2130	2692	965			
	114X5078	G		27°C	1650	2197	2872	3680	4626	1062			
OP-MGZD048	114X5048	D	MTZ28	38°C	1327	1806	2393	3093	3911	1145			
	114X5063	E		46°C	1145	1560	2069	2678	3391	1195			
	114X5079	G		27°C	1910	2546	3316	4225	5271	1303			
OP-MGZD054	114X5049	D	MTZ32	38°C	1518	2079	2751	3541	4447	1379			
	114X5064	E		46°C	1275	1767	2356	3047	3843	1415			
	114X5080	G		27°C	2585	3321	4188	5193	6335	1558			
OP-MGZD060	114X5050	D	MTZ36	38°C	2161	2821	3591	4474	5475	1683			
	114X5065	E		46°C	1866	2457	3143	3927	4814	1752			
	114X5051	D		27°C	3009	3778	4669	5684	6828	1650			
OP-MGZD068	114X5066	E	MTZ40	38°C	2600	3303	4108	5021	6042	1829			
	114X5081	G		46°C	2283	2926	3658	4484	5406	1936			
	114X5052	D		27°C	3313	4347	5589	7050	8725	2126			
OP-MGZD086	114X5052	D	MTZ51	38°C	2572	3498	4598	5883	7352	2236			
	114X5067	E		46°C	2142	2964	3939	5071	6366	2287			
	114X5053	D		27°C	3929	5168	6649	8374	10339	2321			
OP-MGZD096	114X5068	E	MTZ57	38°C	3093	4212	5531	7060	8794	2434			
	114X5054	D		46°C	2577	3585	4768	6136	7687	2483			
	114X5054	D		27°C	4172	5505	7094	8954	11082	2571			
OP-MGZD108	114X5069	E	MTZ65	38°C	3266	4471	5892	7545	9432	2700			
	114X5055	D		46°C	2692	3779	5059	6540	8231	2756			
	114X5055	D		27°C	4895	6378	8125	10139	12414	2814			
OP-MGZD121	114X5070	E	MTZ73	38°C	3865	5203	6765	8552	10562	2940			
	114X5056	D		46°C	3144	4359	5769	7379	9184	2896			
	114X5056	D		27°C	5809	7509	9508	11821	14443	3818			
OP-MGZD136	114X5071	E	MTZ81	38°C	4708	6245	8033	10089	12412	3994			
	114X5057	D		46°C	3944	5333	6941	8784	10864	4078			
	114X5072	E		27°C	6301	8310	10707	13516	16727	4251			
OP-MGZD171	114X5072	E	MTZ100	38°C	4984	6786	8917	11387	14209	4522			
	114X5115	D		46°C	4207	5815	7708	9897	12397	4662			
	114X5115	D		27°C	8171	10657	13602	17035	20957	5266			
OP-MGZD215	114X5118	E	MTZ125	38°C	6393	8644	11285	14331	17801	5502			
	114X5116	D		46°C	5246	7277	9650	12378	15482	5576			
	114X5116	D		27°C	9956	12800	16121	19933	24213	6377			
OP-MGZD242	114X5119	E	MTZ144	38°C	8046	10581	13505	16832	20538	6774			
	114X5117	D		46°C	6749	9003	11583	14504	17737	7008			
	114X5120	E		27°C	11302	14534	18348	22770	27784	6789			
OP-MGZD271	114X5120	E	MTZ160	38°C	9293	12184	15561	19433	23814	7197			
	114X5120	E		46°C	7987	10554	13539	16951	20810	7454			

Test condition
 EN13215

SH10K
Electrical code

D: Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz

E: Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz

G: Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

Version:
A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box

QUICK REFERENCE
R134a MBP RECIPROCATING

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m3/h]	Int. volume [dm3]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-MCZC030	A4	1200	1.2	1 × 300	3	5	408	500	600	1/2"	3/8"	54	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	56	47
OP-MCZC048	C4	2150	2.3	1 × 350	6	5	555	630	650	1/2"	1/2"	64	57
OP-MCZC054	C4	2150	2.3	1 × 350	6	5	555	630	650	5/8"	1/2"	65	58
OP-MCZC060	D4	2000	3.1	1 × 350	6	5	555	630	650	5/8"	1/2"	68	61
OP-MCZC068	E4	3150	2.5	1 × 400	6	5	605	630	650	5/8"	1/2"	72	65
OP-MCZC086	F4	3300	3.1	1 × 400	8	5	656	755	700	7/8"	1/2"	95	83
OP-MCZC096	G4	3150	4.1	1 × 400	8	5	656	755	700	7/8"	1/2"	100	88
OP-MCZC108	H4	4300	4.1	1 × 500	8	5	656	755	700	7/8"	1/2"	113	101
OP-MCZC121	J4	6000	4.4	1 × 500	10	5	708	900	900	1"1/8	1/2"	127	113
OP-MCZC136	K4	6200	4.7	1 × 500	10	5	759	900	900	1"1/8	1/2"	140	126
OP-MCZC171	L4	5850	6.3	1 × 500	14	5	759	900	900	1"1/8	5/8"	162	147
OP-MGZC215	M4	11000	7.4	2 × 500	14	6	759	1350	820	1"1/8	5/8"	191	176
OP-MGZC242	M4	11000	7.4	2 × 500	14	6	759	1350	820	1"1/8	5/8"	194	179
OP-MGZC271	N4	9200	12.3	2 × 500	14	6	759	1350	820	1"1/8	5/8"	199	184
OP-MGZD030	C3	1300	1.7	2 × 254	3	6	392	700	500	1/2"	3/8"	56	46
OP-MGZD038	D3	2800	1.5	2 × 300	6	6	442	800	600	1/2"	1/2"	60	53
OP-MGZD048	E3	2600	2.2	2 × 300	6	6	442	800	600	1/2"	1/2"	64	57
OP-MGZD054	E3	2600	2.2	2 × 300	6	6	442	800	600	5/8"	1/2"	65	58
OP-MGZD060	G3	4600	2.3	2 × 355	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 355	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	107	93
OP-MGZD096	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	109	95
OP-MGZD108	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	113	99
OP-MGZD121	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	115	101
OP-MGZD136	L3	8600	5.1	2 × 450	10	6	671	1200	800	1"1/8	1/2"	133	118
OP-MGZD171	M3	8200	6.8	2 × 450	14	6	671	1200	800	1"1/8	5/8"	158	144
OP-MGZD215	N4	9200	12.25	2 × 500	14	6	759	1350	820	1"1/8	5/8"	196	180
OP-MGZD242	N4	9200	12.25	2 × 500	14	6	759	1350	820	1"1/8	5/8"	199	183
OP-MGZD271	U	14000	14.2	2 × 600	14	6	975	1500	870	1"1/8	5/8"	230	212

R134a

QUICK REFERENCE

R134a MBP SCROLL

Nbr of fans	Test conditions	Unit	Version	Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
			A02				-15°C	-10°C	-5°C	-0°C	+5°C		
	SH=10K	OP-MCUC034	114X5564	G	MLZ015	27°C	1843	2313	2860	3488	4201	809	38°C: -15°C till 15°C 48°C: -10°C till 15°C
			114X5576	D		38°C	1625	2040	2528	3093	3737	1015	
			114X5568	E		43°C	1528	1914	2373	2905	3515	1123	
		OP-MCUC043	114X5565	G	MLZ019	27°C	2349	2920	3594	4368	5241	1075	
			114X5577	D		38°C	2058	2565	3164	3856	4637	1330	
			114X5569	E		43°C	1921	2397	2960	3612	4351	1459	
		OP-MCUC057	114X5566	G	MLZ026	27°C	3058	3832	4725	5742	6885	1349	
			114X5578	D		38°C	2666	3360	4160	5071	6097	1679	
			114X5570	E		43°C	2486	3140	3893	4753	5722	1851	
		OP-MCUC068	114X5567	G	MLZ030	27°C	3667	4580	5639	6846	8201	1626	
			114X5579	D		38°C	3224	4028	4965	6040	7252	2023	
			114X5571	E		43°C	3022	3770	4647	5656	6799	2232	
		OP-MCUC080	114X5580	D	MLZ038	27°C	4361	5478	6766	8232	9883	1923	
			114X5572	E		38°C	3796	4803	5962	7280	8765	2385	
			114X5573	E		43°C	3533	4486	5581	6828	8235	2625	
		OP-MCUC107	114X5581	D	MLZ048	27°C	5754	7187	8863	10774	12907	2394	
			114X5573	E		32°C	5008	6277	7776	9494	11421	2990	
			114X5573	E		43°C	4668	5851	7259	8881	10705	3299	
		OP-MGUC148	114X5582	D	MLZ066	27°C	7978	9914	12153	14692	17525	3439	
			114X5574	E		38°C	6900	8645	10661	12946	15496	4261	
			114X5583	D		43°C	6396	8049	9957	12121	14538	4664	
		OP-MGUC162	114X5583	D	MLZ076	27°C	8960	11210	13793	16719	19997	3803	
			114X5575	E		38°C	7807	9804	12117	14754	17725	4744	
			114X5575	E		43°C	7299	9163	11336	13827	16643	5214	
OP-MGUD034	114X5507	G	MLZ015	27°C	1830	2294	2834	3452	4151	822			
	114X5512	D		38°C	1613	2022	2502	3055	3686	1030			
	114X5523	E		46°C	1457	1820	2251	2753	3328	1212			
OP-MGUD043	114X5508	G	MLZ019	27°C	2372	2954	3642	4436	5335	1052			
	114X5513	D		38°C	2082	2600	3214	3925	4732	1304			
	114X5524	E		46°C	1862	2330	2886	3533	4270	1513			
OP-MGUD057	114X5510	G	MLZ026	27°C	3088	3875	4785	5826	7001	1321			
	114X5515	D		38°C	2696	3403	4221	5157	6214	1647			
	114X5526	E		46°C	2409	3050	3793	4645	5610	1925			
OP-MGUD068	114X5511	G	MLZ030	27°C	3749	4698	5807	7083	8527	1550			
	114X5516	D		38°C	3305	4146	5137	6281	7583	1932			
	114X5527	E		46°C	2981	3733	4626	5665	6855	2263			
OP-MGUD080	114X5517	D	MLZ038	27°C	4431	5577	6903	8425	10148	1861			
	114X5528	E		38°C	3867	4905	6103	7477	9034	2312			
	114X5528	E		46°C	3445	4395	5492	6750	8180	2697			
OP-MGUD107	114X5519	D	MLZ048	27°C	5871	7353	9094	11093	13341	2293			
	114X5530	E		38°C	5123	6445	8013	9824	11869	2873			
	114X5530	E		46°C	4578	5762	7183	8839	10719	3367			
OP-MGUD148	114X5521	D	MLZ066	27°C	8082	10058	12353	14967	17899	3349			
	114X5532	E		38°C	7007	8793	10865	13226	15873	4163			
	114X5532	E		46°C	6199	7834	9733	11897	14328	4811			
OP-MGUD162	114X5521	D	MLZ076	27°C	9076	11374	14018	17028	20412	3701			
	114X5533	E		38°C	7917	9965	12343	15067	18147	4630			
	114X5533	E		46°C	7105	8937	11087	13573	16404	5385			

Test condition EN13215

SH10K

Electrical code

D: Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz

E: Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz

G: Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz

Version:

A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box

QUICK REFERENCE
R134a MBP SCROLL

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m ³ /h]	Int. volume [dm ³]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-MCUC034	C4	2150	2.3	1 x 350	6	9	555	630	650	3/4"	1/2"	72	65
OP-MCUC043	C4	2150	2.3	1 x 350	6	9	555	630	650	3/4"	1/2"	72	65
OP-MCUC057	E4	3150	2.5	1 x 400	6	9	605	630	650	3/4"	1/2"	77	70
OP-MCUC068	F4	3300	3.1	1 x 400	8	9	656	755	700	7/8"	1/2"	95	83
OP-MCUC080	H4	4300	4.1	1 x 500	8	9	656	755	700	7/8"	1/2"	111	99
OP-MCUC107	K4	6200	4.7	1 x 500	10	9	759	900	900	7/8"	1/2"	136	122
OP-MGUC148	L3	8600	5.1	2 X 450	10	9	671	1200	800	1"1/8	1/2"	139	125
OP-MGUC162	M4	11000	7.4	2 x 500	14	9	759	1350	820	1"1/8	5/8"	172	157
OP-MGUD034	D3	2800	1.5	2 x 300	6	9	442	800	600	3/4"	1/2"	70	63
OP-MGUD043	E3	2600	2.2	2 x 300	6	9	442	800	600	3/4"	1/2"	72	65
OP-MGUD057	G3	4600	2.3	2 x 355	8	9	555	1000	700	3/4"	1/2"	72	63
OP-MGUD068	H3	3600	4.7	2 x 355	8	9	555	1000	700	7/8"	1/2"	107	93
OP-MGUD080	J3	5400	4.7	2 x 400	8	9	555	1000	700	7/8"	1/2"	108	95
OP-MGUD107	L3	8600	5.1	2 x 450	10	9	671	1200	800	7/8"	1/2"	129	114
OP-MGUD148	M3	8200	6.8	2 x 450	10	9	671	1200	800	1"1/8	1/2"	141	126
OP-MGUD162	N4	9200	12.3	2 x 500	14	9	750	1350	870	1"1/8	5/8"	177	161

R134a

Nbr of fans	Test conditions	Unit	Version	Electrical code	Compressor	Amb. temp. °C	Capacity range in [W] at evaporating temperature [°C]					Power consumption (W)	Application range [°C]
			A02				-15°C	-10°C	-5°C	-0°C	+5°C		
	SH = 10K	OP-MCZC030	114X5024	G	MTZ18	27°C	1323	1810	2357	2960	3605	985	38°C: -10°C till 10°C 43°C: -5°C till 0°C
			114X5000	D		38°C	1404	1879	2398	2955	1025		
			114X5012	E		43°C	1676	2157					
		OP-MCZC038	114X5025	G	MTZ22	27°C	1891	2494	3167	3907	4702	1342	
			114X5001	D		38°C	1962	2538	3165	3841	1380		
			114X5013	E		43°C	2264	2838					
		OP-MCZC048	114X5026	G	MTZ28	27°C	2408	3228	4150	5172	6277	1603	
			114X5002	D		38°C	2562	3363	4239	5187	1664		
			114X5014	E		43°C	3007	3818					
		OP-MCZC054	114X5027	G	MTZ32	27°C	2888	3747	4698	5737	6844	1834	
			114X5003	D		38°C	2997	3816	4703	5640	1909		
			114X5015	E		43°C	3423	4236					
		OP-MCZC060	114X5028	G	MTZ36	27°C	3420	4353	5379	6489	7658	2185	
			114X5004	D		38°C	3538	4428	5377	6367	2301		
			114X5016	E		43°C	3987	4864					
		OP-MCZC068	114X5005	D	MTZ40	27°C	3973	5037	6214	7502	8871	2575	
			114X5017	E		38°C	4143	5164	6264	7419	2743		
						43°C	4668	5686					
		OP-MCZC086	114X5029	G	MTZ51	27°C	4410	5712	7172	8784	10518	2797	
			114X5006	D		38°C	4559	5806	7177	8648	2916		
			114X5018	E		43°C	5195	6451					
		OP-MCZC096	114X5007	D	MTZ57	27°C	4848	6334	8018	9886	11910	2986	
			114X5019	E		38°C	5088	6534	8131	9866	3111		
						43°C	5874	7344					
		OP-MCZC108	114X5008	D	MTZ65	27°C	5888	7547	9442	11568	13896	3949	
			114X5020	E		38°C	6129	7744	9547	11549	4124		
						43°C	7002	8658					
		OP-MCZC121	114X5009	D	MTZ73	27°C	6682	8615	10817	13284	15970	4546	
			114X5021	E		38°C	7013	8902	10995	13307	4759		
						43°C	8045	9971					
		OP-MCZC136	114X5010	D	MTZ81	27°C	7494	9659	12088	14774	17669	5241	
			114X5022	E		38°C	7906	10000	12296	14763	5517		
						43°C	9050	11160					
		OP-MCZC171	114X5011	D	MTZ100	27°C	8314	10939	13891	17162	20680	6067	
			114X5023	E		38°C	8668	11183	13957	16945	6316		
						43°C	9996	12524					
		OP-MGZC215	114X5058	D	MTZ125	27°C	12154	15528	19327	23540	28116	8139	
			114X5073	E		38°C	12579	15864	19477	23419	8567		
						43°C	14298	17635					
		OP-MGZC242	114X5059	D	MTZ144	27°C	13280	17003	21176	25802	30818	9141	
			114X5074	E		38°C	13957	17609	21661	26068	9678		
						43°C	16051	19844					
		OP-MGZC271	114X5060	D	MTZ160	27°C	15857	19931	24522	29611	35128	10356	
			114X5075	E		38°C	16441	20394	24738	29478	10980		
						43°C	18528	22536					
		OP-MGZD030	114X5076	G	MTZ18	27°C	1483	2003	2592	3241	3945	894	
			114X5046	D		38°C	1116	1574	2088	2652	3261	946	
			114X5061	E		46°C	1748	2251	2791				
		OP-MGZD038	114X5077	G	MTZ22	27°C	2145	2801	3541	4361	5252	1180	
			114X5047	D		38°C	1674	2249	2891	3596	4360	1251	
114X5062	E		46°C	2432		3054	3724						
OP-MGZD048	114X5078	G	MTZ28	27°C	2625	3486	4460	5538	6713	1445			
	114X5048	D		38°C	2054	2818	3670	4605	5615	1534			
	114X5063	E		46°C	3094	3924	4816						
OP-MGZD054	114X5079	G	MTZ32	27°C	3140	4045	5053	6156	7340	1667			
	114X5049	D		38°C	2490	3286	4161	5108	6117	1774			
	114X5064	E		46°C	3521	4355	5238						
OP-MGZD060	114X5080	G	MTZ36	27°C	3756	4782	5927	7184	8537	1978			
	114X5050	D		38°C	3051	3958	4957	6036	7191	2136			
	114X5065	E		46°C	4239	5201	6218						
OP-MGZD068	114X5051	D	MTZ40	27°C	4430	5614	6957	8449	10078	2285			
	114X5066	E		38°C	3679	4732	5903	7191	8587	2506			
				46°C	5110	6257	7490						
OP-MGZD086	114X5081	G	MTZ51	27°C	4932	6370	8006	9830	11824	2542			
	114X5052	D		38°C	3932	5184	6594	8157	9865	2734			
	114X5067	E		46°C	5579	6957	8458						
OP-MGZD096	114X5053	D	MTZ57	27°C	5261	6841	8640	10644	12829	2762			
	114X5068	E		38°C	4190	5573	7133	8860	10740	2944			
				46°C	6050	7576	9233						
OP-MGZD108	114X5054	D	MTZ65	27°C	6439	8242	10314	12648	15229	3150			
	114X5069	E		38°C	5208	6763	8549	10563	12796	3391			
				46°C	7312	9083	11053						
OP-MGZD121	114X5055	D	MTZ73	27°C	7126	9136	11421	13973	16769	3777			
	114X5070	E		38°C	5775	7524	9504	11703	14103	4033			
				46°C	8123	10054	12163						
OP-MGZD136	114X5056	D	MTZ81	27°C	8286	10636	13310	16290	19550	4344			
	114X5071	E		38°C	6793	8874	11210	13790	16600	4713			
				46°C	9658	11942	14420						
OP-MGZD171	114X5057	D	MTZ100	27°C	9362	12248	15537	19203	23212	5159			
	114X5072	E		38°C	7368	9877	12715	15868	19312	5539			
				46°C	10721	13490	16513						
OP-MGZD215	114X5115	D	MTZ125	27°C	13245	16843	20912	25448	30413	6505			
	114X5118	E		38°C	10710	13885	17443	21377	25667	7077			
				46°C	14890	18385	22184						
OP-MGZD242	114X5116	D	MTZ144	27°C	14269	18160	22555	27424	32727	7507			
	114X5119	E		38°C	11570	14999	18830	23049	27631	8106			
				46°C	16136	19873	23922						
OP-MGZD271	114X5117	D	MTZ160	27°C	17185	21568	26558	32126	38232	8618			
	114X5120	E		38°C	14184	18042	22383	27198	32464	9388			
				46°C	19325	23588	28239						

Test condition EN13215 SH10K Electrical code
D: Compressor 400 V/3 phase/50 Hz, fan 400 V/3 phase/50 Hz
E: Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz
G: Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz
Version: A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box

QUICK REFERENCE
R407C MBP RECIPROCATING

Unit	Condenser coil			Condenser fan	Receiver volume [L]	Dimensions [mm]						Weight [kg]	
	Type	Air flow [m ³ /h]	Int. volume [dm ³]	Fan blade Ø [mm]		Fig.	Height H [mm]	Width W [mm]	Length D [mm]	Suction line	Liquid line	Gross	Net
OP-MCZC030	A4	1200	1.2	1 × 300	3	5	408	500	600	1/2"	3/8"	54	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	56	47
OP-MCZC048	C4	2150	2.3	1 × 350	6	5	555	630	650	1/2"	1/2"	64	57
OP-MCZC054	C4	2150	2.3	1 × 350	6	5	555	630	650	5/8"	1/2"	65	58
OP-MCZC060	D4	2000	3.1	1 × 350	6	5	555	630	650	5/8"	1/2"	68	61
OP-MCZC068	E4	3150	2.5	1 × 400	6	5	605	630	650	5/8"	1/2"	72	65
OP-MCZC086	F4	3300	3.1	1 × 400	8	5	656	755	700	7/8"	1/2"	95	83
OP-MCZC096	G4	3150	4.1	1 × 400	8	5	656	755	700	7/8"	1/2"	100	88
OP-MCZC108	H4	4300	4.1	1 × 500	8	5	656	755	700	7/8"	1/2"	113	101
OP-MCZC121	J4	6000	4.4	1 × 500	10	5	708	900	900	1 1/8"	1/2"	127	113
OP-MCZC136	K4	6200	4.7	1 × 500	10	5	759	900	900	1 1/8"	1/2"	140	126
OP-MCZC171	L4	5850	6.3	1 × 500	14	5	759	900	900	1 1/8"	5/8"	162	147
OP-MGZC215	M4	11000	7.4	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	191	176
OP-MGZC242	M4	11000	7.4	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	194	179
OP-MGZC271	N4	9200	12.3	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	199	184
OP-MGZD030	C3	1300	1.7	2 × 254	3	6	392	700	500	1/2"	3/8"	56	46
OP-MGZD038	D3	2800	1.5	2 × 300	6	6	442	800	600	1/2"	1/2"	60	53
OP-MGZD048	E3	2600	2.2	2 × 300	6	6	442	800	600	1/2"	1/2"	64	57
OP-MGZD054	E3	2600	2.2	2 × 300	6	6	442	800	600	5/8"	1/2"	65	58
OP-MGZD060	G3	4600	2.3	2 × 355	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 355	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	107	93
OP-MGZD096	H3	3600	4.7	2 × 355	8	6	555	1000	700	7/8"	1/2"	109	95
OP-MGZD108	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	113	99
OP-MGZD121	J3	5400	4.7	2 × 400	10	6	555	1000	700	7/8"	1/2"	115	101
OP-MGZD136	L3	8600	5.1	2 × 450	10	6	671	1200	800	1 1/8"	1/2"	133	118
OP-MGZD171	M3	8200	6.8	2 × 450	14	6	671	1200	800	1 1/8"	5/8"	158	144
OP-MGZD215	N4	9200	12.25	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	196	180
OP-MGZD242	N4	9200	12.25	2 × 500	14	6	759	1350	820	1 1/8"	5/8"	199	183
OP-MGZD271	U	14000	14.2	2 × 600	14	6	975	1500	870	1 1/8"	5/8"	230	212

Electrical characteristics - 230V/1phase

Unit	Wiring diagram	LRA compressor [A] 230 V/ 1 phase	MCC compressor [A] 230 V/ 1 phase	MCC Fan [A] 230 V/ 1 phase
OP-LCHC004		5.7		0.19
OP-LCHC006		8.2		0.19
OP-LCHC008 (FR)		10		0.25
OP-LCHC007		10.4		0.25
OP-LCHC008 (NL)		13.7		0.25
OP-LCHC010		14.8		0.39
OP-LCHC012 (SC12CLX)		14.8		0.39
OP-LCHC012 (SC12CLX.2)		19.6		0.39
OP-LCHC015 (SC15CLX)		18.6		0.39
OP-LCHC015 (SC15CLX.2)		19.6		0.39
OP-LCHC018 (SC18CLX)		20		0.39
OP-LCHC018 (SC18CLX.2)		23.5		0.39
OP-LCHC021		23.4		0.39
OP-LCHC026		25.7		0.75
OP-LCHC034		40		0.75
OP-LCHC048	6002113P02	37	11	0.85
OP-LCHC068	6002113P02	53	17	1.2
OP-LGHC048	6002113P02	37	11	2x0,32
OP-LGHC068	6002113P02	53	17	2x0,85

Electrical characteristics - 400V/3phase

Unit	Wiring diagram	LRA compressor [A] 400 V/ 3phase	MCC compressor [A] 400 V/ 3phase	MCC Fan [A] 230 V/ 1 phase	MCC Fan [A] 400 V/3 phase
OP-LHC048	6002113P06	16	4.8	0.85	0.35
OP-LHC068	6002113P06	25	8.4	1.2	0.5
OP-LHC096	6002113P06	32	10.1	1.2	0.5
OP-LHC108	6002113P06	45	12.1	1.3	0.7
OP-LHC136	6002113P06	51	14.3	1.3	0.7
OP-LHC215	6002113P06	74	22.3	3.4	1.2
OP-LHC271	6002113P06	96	27	3.4	1.2
OP-LGHC048	6002113P06	16	4.8	2x0.32	
OP-LGHC068	6002113P06	25	8.4	2x0.85	2x0.35
OP-LGHC096	6002113P06	32	10.1	2x0.85	2x0.35
OP-LGHC108	6002113P06	45	12.1	2x1.2	2x0.5
OP-LGHC136	6002113P06	51	14.3	2x1.2	2x0.5
OP-LGHC215	6002113P06	74	22.3	2x1.7	2x1.2
OP-LGHC271	6002113P06	96	27	2x1.7	2x1.2

Spare parts

Unit	Condenser	Receiver	Rotalock valve		Fan motor		Weatherproof Housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			Suction	Discharge	230Volts	400 Volts					
OP-LCHC004	118U0029	118U0517			118U0032		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC006	118U0029	118U0517			118U0032		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC008	118U0030	118U0523			118U0033		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC007	118U0030	118U0523			118U0033		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC008	118U0030	118U0523			118U0033		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC010	118U0030	118U0523			118U0033		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 2
OP-LCHC012	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC012	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC015	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC015	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC018	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC018	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC021	118U0031	118U0523			118U0034		118U4620	DML/DCL 032	SGN 6	KP 1/KP 7/KP 17	EVR 3
OP-LCHC026	118U0054	118U0078			118U0058		118U4621	DML/DCL 032	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LCHC034	118U0069	118U0078			118U0058		118U4621	DML/DCL 032	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LCHC048	118U8000	8168179	7968014	7968012	8176043	8176044	118U8030	DML/DCL 053	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LCHC068	118U8002	8168180	7968014	7968013	8176045	8176046	118U8031	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC096	118U8003	8168180	7968017	7968014	8176045	8176046	118U8031	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC108	118U8004	8168180	7968017	7968014	8176047	8176048	118U8031	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC136	118U8006	8168181	7968017	7968014	8176047	8176048	118U8032	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 6
OP-LCHC215	118U8008	8168183	7968018	7968015	118U8023	118U8017	118U8033	DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LCHC271	118U8010	8168183	7968018	7968015	118U8023	118U8017	118U8033	DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LGHC048	8174036	8168179	7968014	7968012	8176018	8176039	7710017	DML/DCL 053	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LGHC068	8174037	8168180	7968014	7968013	8176043	8176044	7710018	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC096	8174038	8168180	7968017	7968014	8176043	8176044	7710018	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC108	8174041	8168181	7968017	7968014	8176045	8176046	7710019	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC136	8174041	8168181	7968017	7968014	8176045	8176046	7710019	DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 6
OP-LGHC215	8174044	8168183	7968018	7968015	8176070	8176069	7710020	DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LGHC271	8174044	8168183	7968018	7968015	8176070	8176069	7710020	DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6

Note
 LRA (Locked Rotor Amps)
 MCC (Maximum Continuous Current)

Electrical characteristics - 230V/1phase

Unit	Wiring diagram	LRA compressor [A] 230 V/ 1 phase	MCC compressor [A] 230 V/ 1 phase	MCC Fan [A] 230 V/ 1 phase
OP-MCHC004		7.5		0.19
OP-MCHC006		10.0		0.25
OP-MCHC007		20.0		0.39
OP-MCHC010		18.4		0.39
OP-MCHC012		23.4		0.39
OP-MCHC015		23.5		0.48
OP-MCHC018		23.4		0.48
OP-MCHC021		24.4		0.75
OP-MCHC026		34.6		0.75
OP-MCHC034		45.7		0.62
OP-MCZC030	6002113P02	40	10	0.85
OP-MCZC038	6002113P02	41	15	1.2
OP-MCZC048	6002113P02	55	16	1.2
OP-MCZC054	6002113P02	70	20	1.2
OP-MCZC060	6002113P02	70	20	1.2
OP-MCZC086	6002113P02	92	29	1.3
OP-MGZD030	6002113P02	40	10	2x0.32
OP-MGZD038	6002113P02	41	15	2x0.85
OP-MGZD048	6002113P02	55	16	2x0.85
OP-MGZD054	6002113P02	70	20	2x0.85
OP-MGZD060	6002113P02	70	20	2x1.2
OP-MGZD086	6002113P02	92	29	2x1.2

Electrical characteristics - 400V/3phase

Unit	Wiring diagram	LRA compressor [A] 400 V/ 3phase	MCC compressor [A] 400 V/ 3phase	MCC Fan [A] 230 V/ 1 phase	MCC Fan [A] 400 V/ 3 phase
OP-MCZC030	6002113P06	20	5	0.85	0.35
OP-MCZC038	6002113P06	16	6	1.2	0.5
OP-MCZC048	6002113P06	23	7.5	1.2	0.5
OP-MCZC054	6002113P06	25	8	1.2	0.5
OP-MCZC060	6002113P06	30	9	1.2	0.5
OP-MCZC068	6002113P06	38	10	1.3	0.7
OP-MCZC086	6002113P06	48.5	11.5	1.3	0.7
OP-MCZC096	6002113P06	64	12	1.3	0.7
OP-MCZC108	6002113P06	64	14	3.4	1.2
OP-MCZC121	6002113P06	80	17	3.4	1.2
OP-MCZC136	6002113P06	80	19	3.4	1.2
OP-MCZC171	6002113P06	90	22	3.4	1.2
OP-MGZC215	6002113P06	105	27	2 x 3.4	2 x 1.2
OP-MGZC242	6002113P06	115	30	2 x 3.4	2 x 1.2
OP-MGZC271	6002113P06	140	36	2 x 3.4	2 x 1.2
OP-MGZD030	6002113P06	20	5	2x0.32	-
OP-MGZD038	6002113P06	16	6	2x0.85	2 x 0.35
OP-MGZD048	6002113P06	23	7.5	2x0.85	2 x 0.35
OP-MGZD054	6002113P06	25	8	2x0.85	2 x 0.35
OP-MGZD060	6002113P06	30	9	2x1.2	2 x 0.5
OP-MGZD068	6002113P06	38	10	2x1.2	2 x 0.5
OP-MGZD086	6002113P06	48.5	11.5	2x1.2	2 x 0.5
OP-MGZD096	6002113P06	64	12	2x1.2	2 x 0.5
OP-MGZD108	6002113P06	64	14	2x1.3	2 x 0.7
OP-MGZD121	6002113P06	80	17	2x1.3	2 x 0.7
OP-MGZD136	6002113P06	80	19	2x1.7	2 x 1.2
OP-MGZD171	6002113P06	90	22	2x1.7	2 x 1.2
OP-MGZD215	6002113P06	105	27	2x3.4	2 x 1.2
OP-MGZD242	6002113P06	115	30	2x3.4	2 x 1.2
OP-MGZD271	6002113P06	140	36	2x3	2 x 1.6

Spare parts

Unit	Condenser	Receiver	Rotolock valve		Fan motor		Weatherproof housing	Filter drier type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			Suction	Discharge	230Volts	400 Volts					
OP-MCHC004	118U0029	118U0517			118U0032		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 2
OP-MCHC006	118U0030	118U0517			118U0033		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 2
OP-MCHC007	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 2
OP-MCHC010	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 2
OP-MCHC012	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 3
OP-MCHC015	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 3
OP-MCHC018	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 3
OP-MCHC021	118U0031	118U0523			118U0034		118U4620	DML/DCL 052	SGN 6	KP1/KP7/KP17	EVR 3
OP-MCHC026	118U0069	118U0078			118U0058		118U4621	DML/DCL 052	SGN10	KP1/KP7/KP17	EVR 3
OP-MCHC034	118U0070	118U0078			118U0059		118U8030	DML/DCL 052	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC030	118U8000	8168179	7968013	7968012	8176043	8176044	118U8030	DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC038	118U8001	8168179	7968013	7968012	8176045	8176046	118U8030	DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC048	118U8002	8168180	7968013	7968013	8176045	8176046	118U8031	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC054	118U8002	8168180	7968014	7968013	8176045	8176046	118U8031	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC060	118U8003	8168180	7968014	7968013	8176045	8176046	118U8031	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC068	118U8004	8168180	7968014	7968013	8176047	8176048	118U8031	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC086	118U8005	8168181	7968017	7968014	8176047	8176048	118U8032	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC096	118U8006	8168181	7968017	7968014	8176047	8176048	118U8032	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC108	118U8007	8168181	7968017	7968014	118U8023	118U8017	118U8032	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC121	118U8008	8168182	7968018	7968015	118U8023	118U8017	118U8033	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC136	118U8010	8168182	7968018	7968015	118U8023	118U8017	118U8033	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC171	118U8010	8168183	7968018	7968015	118U8023	118U8017	118U8033	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC215	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC242	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC271	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD030	8174036	8168179	7968013	7968012	8176018	8176039	7710017	DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD038	8174037	8168180	7968013	7968013	8176043	8176044	7710018	DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD048	8174038	8168180	7968013	7968013	8176043	8176044	7710018	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD054	8174038	8168180	7968014	7968013	8176043	8176044	7710018	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD060	8174041	8168181	7968014	7968013	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD068	8174041	8168181	7968014	7968013	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD086	8174041	8168181	7968017	7968014	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD096	8174041	8168181	7968017	7968014	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD108	8174042	8168182	7968017	7968014	8176047	8176048	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD121	8174042	8168182	7968017	7968014	8176047	8176048	7710019	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD136	8174044	8168182	7968018	7968015	8176070	8176069	7710020	DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD171	8174045	8168183	7968018	7968015	8176070	8176069	7710020	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD215	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD242	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD271	8174048	8168183	7968018	7968016	8176098	8176099	7710021	DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6

Note
 LRA (Locked Rotor Amps)
 MCC (Maximum Continuous Current)

Electrical characteristics - 230V/1phase

Unit	Wiring diagram	LRA compressor [A] 230 V/ 1 phase	MCC compressor [A] 230 V/ 1 phase	MCC Fan [A] 230 V/ 1 phase
OP-MCUC034	6002235P01	60	19	1.2
OP-MCUC043	6002235P01	97	23	1.2
OP-MCUC057	6002235P01	97	27	1.3
OP-MCUC068	6002235P01	127	32	1.3
OP-MGUD034	6002235P01	60	19	2x0.85
OP-MGUD043	6002235P01	97	23	2x0.85
OP-MGUD057	6002235P01	97	27	2x1.2
OP-MGUD068	6002235P01	127	32	2x1.3

Electrical characteristics - 400V/3phase

Unit	Wiring diagram	LRA compressor [A] 400 V/ 3phase	MCC compressor [A] 400 V/ 3phase	MCC Fan [A] 230 V/ 1 phase	MCC Fan [A] 400 V/ 3 phase
OP-MCUC034	6002235P02	30	7	1.2	0.5
OP-MCUC043	6002235P02	45	9.5	1.2	0.5
OP-MCUC057	6002235P02	45	11	1.3	0.7
OP-MCUC068	6002235P02	60	13	1.3	0.7
OP-MCUC080	6002235P02	70	15	3.4	1.2
OP-MCUC107	6002235P02	87	16	3.4	1.2
OP-MGUC149	6002235P02	110	24	2x1.7	2 x 1.2
OP-MGUC162	6002235P02	140	25	2x3.4	2 x 1.2
OP-MGUD034	6002235P02	30	7	2x0.85	2 x 0.35
OP-MGUD043	6002235P02	45	9.5	2x0.85	2 x 0.35
OP-MGUD057	6002235P02	45	11	2x1.2	2 x 0.5
OP-MGUD068	6002235P02	60	13	2x1.3	2 x 0.7
OP-MGUD080	6002235P02	70	15	2x1.3	2 x 0.7
OP-MGUD107	6002235P02	87	16	2x1.7	2 x 1.2
OP-MGUD148	6002235P02	110	24	2x1.7	2 x 1.2
OP-MGUD162	6002235P02	140	25	2x3.4	2 x 1.2

Spare parts (components)

Unit	Condenser	Receiver	Rotalock valve		Fan motor		Weatherproof housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			Suction	Discharge	230Volts	400 Volts					
OP-MCUC034	118U8002	8168180	7968015	7968013	8176045	8176046	118U8031	DML/DCL084	SGN12	KP1/KP5/KP17	EVR3
OP-MCUC043	118U8002	8168180	7968015	7968013	8176045	8176046	118U8031	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC057	118U8004	8168180	7968015	7968013	8176047	8176048	118U8031	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC068	118U8005	8168181	7968016	7968013	8176047	8176048	118U8032	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC080	118U8007	8168181	7968016	7968013	118U8023	118U8017	118U8032	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC107	118U8010	8168182	7968016	7968015	118U8023	118U8017	118U8033	DML/DCL164	SGN12	KP1/KP5/KP17	EVR6
OP-MGUC149	8174044	8168182	7968018	7968016	8176070	8176069	7710020	DML/DCL164	SGN12	KP1/KP5/KP17	EVR10
OP-MGUC162	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP5/KP17	EVR15
OP-MGUD034	8174037	8168180	7968015	7968013	8176043	8176044	7710018	DML/DCL084	SGN12	KP1/KP5/KP17	EVR3
OP-MGUD043	8174038	8168180	7968015	7968013	8176043	8176044	7710018	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD057	8174041	8168181	7968015	7968013	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD068	8174041	8168181	7968016	7968013	8176045	8176046	7710019	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD080	8174042	8168181	7968016	7968013	8176047	8176048	7710019	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD107	8174044	8168182	7968016	7968015	8176070	8176069	7710020	DML/DCL164	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD148	8174045	8168182	7968018	7968016	8176070	8176069	7710020	DML/DCL164	SGN12	KP1/KP5/KP17	EVR10
OP-MGUD162	118U8012	8168183	7968018	7968016	118U8023	118U8017	118U8034	DML/DCL165	SGN16	KP1/KP5/KP17	EVR15

Note
 LRA (Locked Rotor Amps)
 MCC (Maximum Continuous Current)

Electrical characteristics - 230V/1phase

Unit	LRA compressor [A] 230 V/ 1 phase	MCC Fan [A] 230 V/ 1 phase
OP-UCGC003	4.9	0.19
OP-UCGC004	5.1	0.19
OP-UCGC005	5.7	0.19
OP-UCGC006	7.5	0.19
OP-UCGC007	8.1	0.19
OP-UCGC008	8.2	0.19
OP-UCGC010	10	0.19
OP-UCGC011	10	0.25
OP-UCGC012	12.6	0.25
OP-UCGC015	14.8	0.39
OP-UCGC018	18.6	0.39
OP-UCGC021	21.8	0.39
OP-UCGC026	20.2	0.75
OP-UCGC034	25.7	0.75

Spare parts (components)

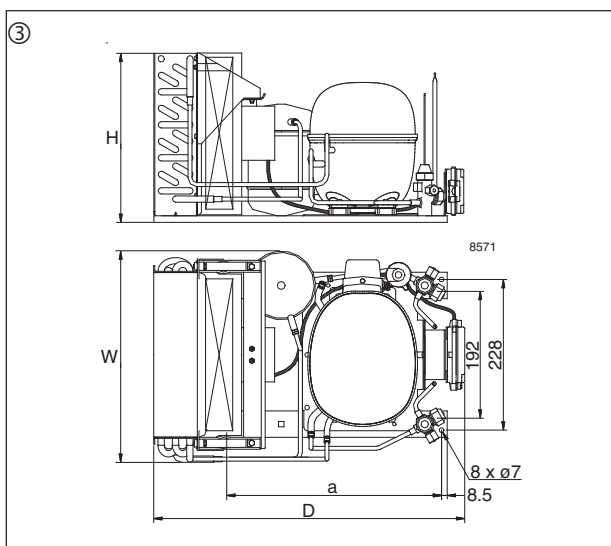
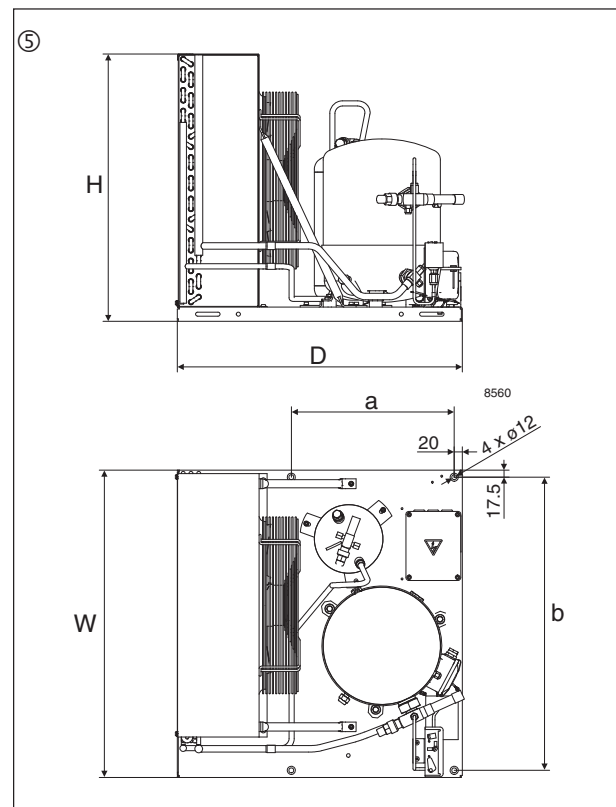
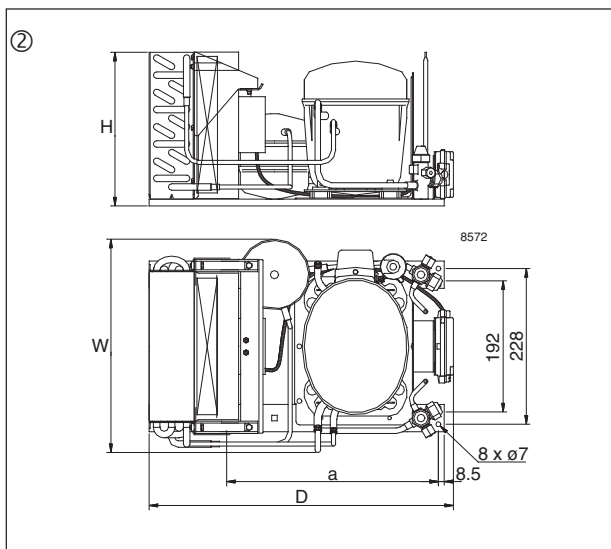
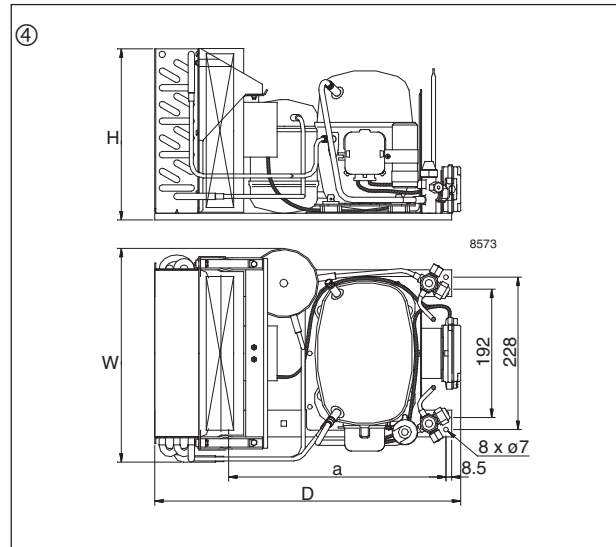
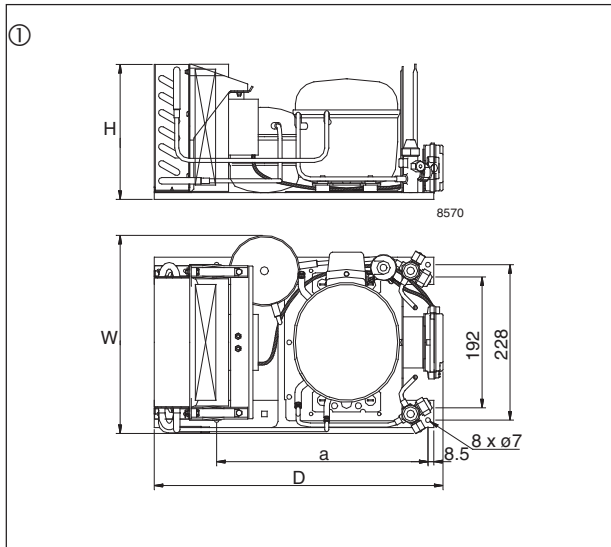
Unit	Condenser	Receiver	Fan motor	Weatherproof housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			230Volts					
OP-UCGC003	118U0028	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC004	118U0028	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC005	118U0028	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC006	118U0029	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC007	118U0029	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC008	118U0029	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC010	118U0029	118U0517	118U0032	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC011	118U0030	118U0523	118U0033	18U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC012	118U0030	118U0523	118U0033	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC015	118U0031	118U0523	118U0033	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC018	118U0031	118U0523	118U0033	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC021	118U0031	118U0523	118U0033	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC026	118U0069	118U0078	118U0058	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC034	118U0069	118U0078	118U0058	18U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3

Note
 LRA (Locked Rotor Amps)
 MCC (Maximum Continuous Current)

R134a

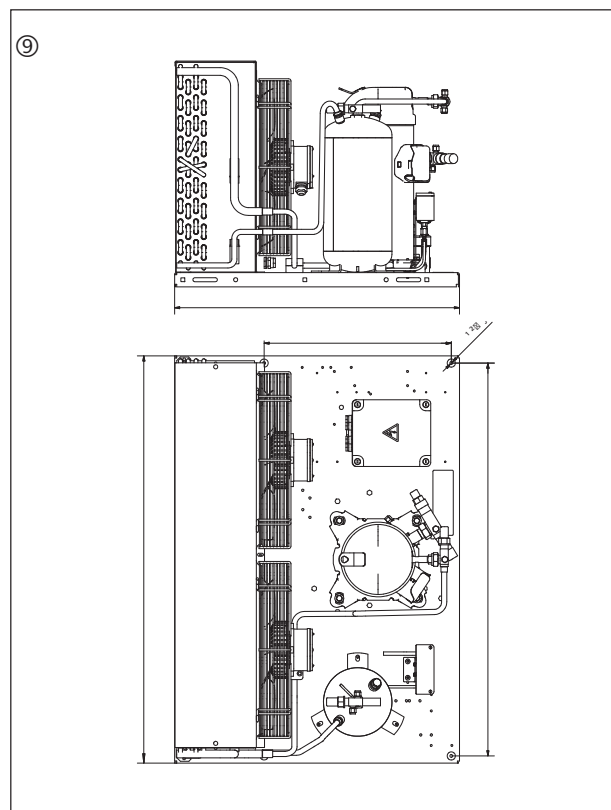
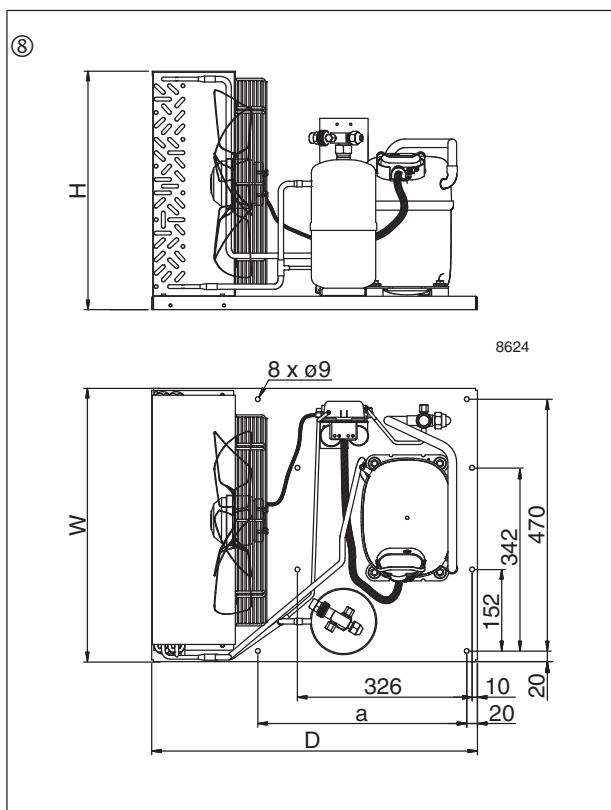
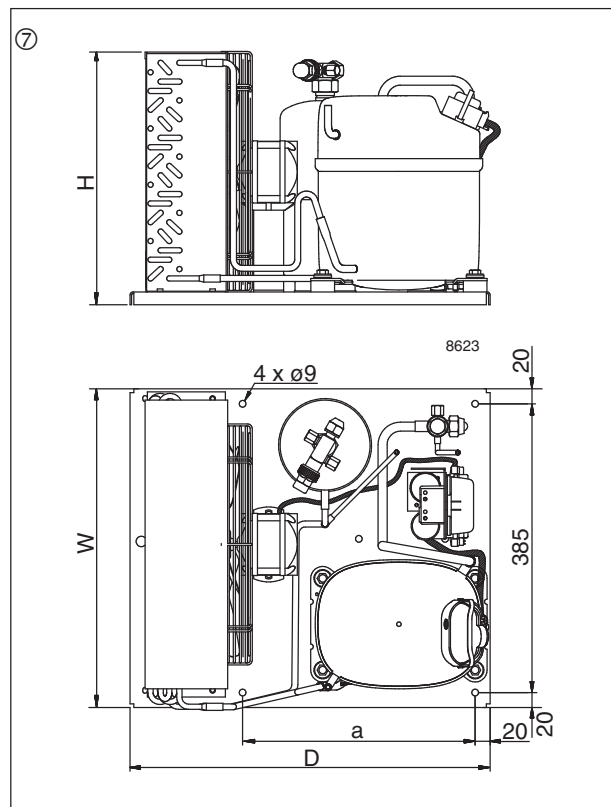
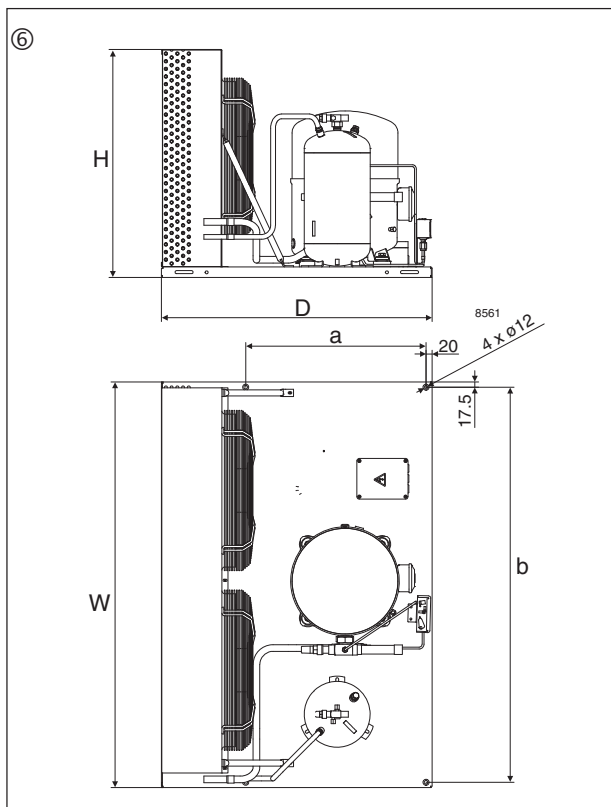
QUICK REFERENCE

DIMENSIONS



QUICK REFERENCE

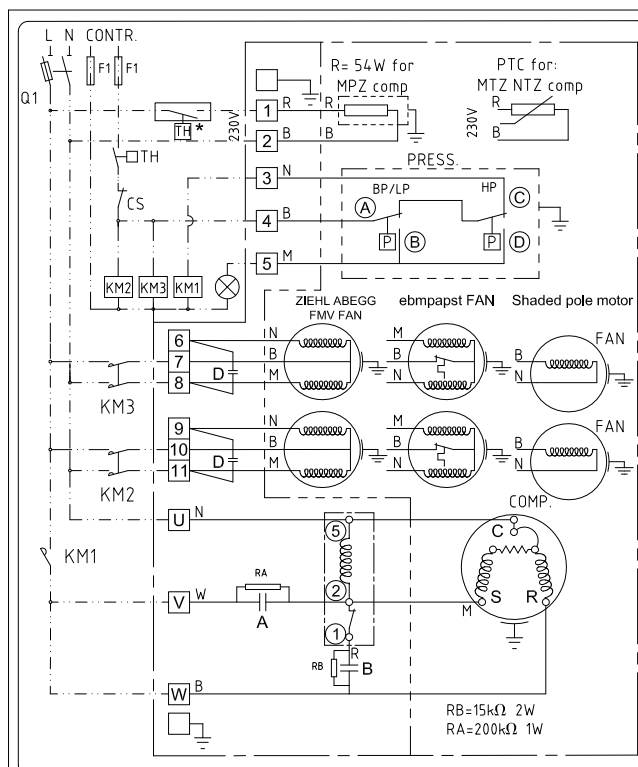
DIMENSIONS



R404A/R507

R134a

R407C



N: NOIR-BLACK B: BLEU-BLUE or GRIS-GREY * Not delivered
 M: MARRON-BROWN W: BLANC-WHITE
 R: ROUGE-RED

COMPRESSOR MODEL	DISPLACEMENT cm ³	50 Hz	
		A μF/450VAC	B μF/450VAC
MPZ038	038	4.0	100
MPZ048	048	4.0	100
MPZ054	054	4.0	100
MPZ061	061	4.5	100
MPZ068	066	4.5	100
NTZ048	048	30	100
NTZ068	068	30	100

MT-MTZ18	030	30	100
MT-MTZ22	038	30	100
MT-MTZ28	048	30	100
MT-MTZ32	054	35	135
MT-MTZ36	061	35	135

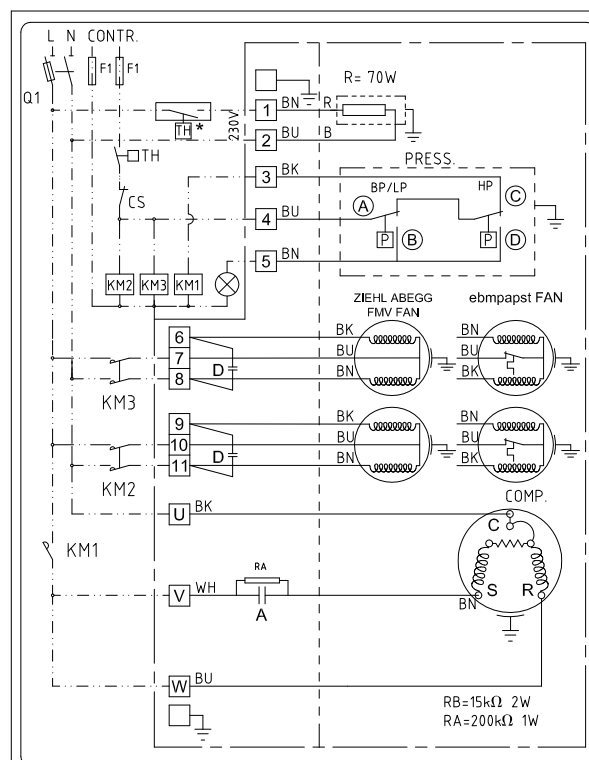
COMPRESSOR MODEL	DISPLACEMENT cm ³	60 Hz	
		A μF/450VAC	B μF/450VAC
MPZ038	038	4.0	100
MPZ048	048	4.0	100
MPZ054	054	4.0	100
MPZ061	061	4.5	100
MPZ068	066	4.5	100
NTZ048	048	25	100
NTZ068	068	50	135

MT-MTZ18	030	25	100
MT-MTZ22	038	4.5	100
MT-MTZ28	048	50	135
MT-MTZ32	054	4.5	100
MT-MTZ36	061	4.5	100
MT-MTZ40	086	5.5	100
MT-MTZ51	086	4.5	135
MT-MTZ57	096	5.5	200
MT-MTZ65	108	5.5	235

FAN DIAMETER	D (Capacitor Fan)			
	ZEIHL FMV		ebmpapst	
	μF/450VAC	μF/450VAC	μF/450VAC	μF/450VAC
	50 Hz	60 Hz	50 Hz	60 Hz
300	3.5	5	2	2
350	3.5	5	4	5
400	5	5	6	X
450	12	12	X	X

One or two fans for Danfoss condensing units

600213P02-W



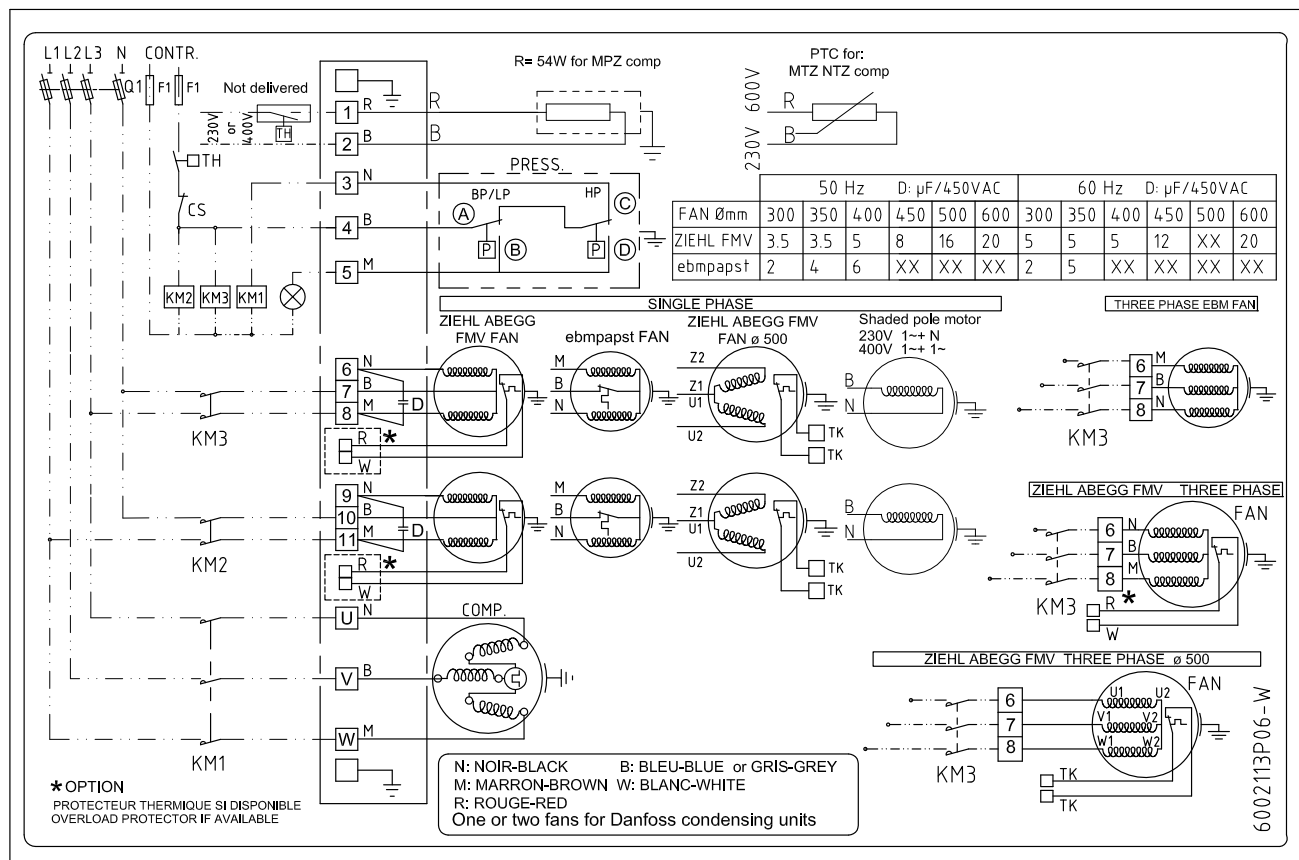
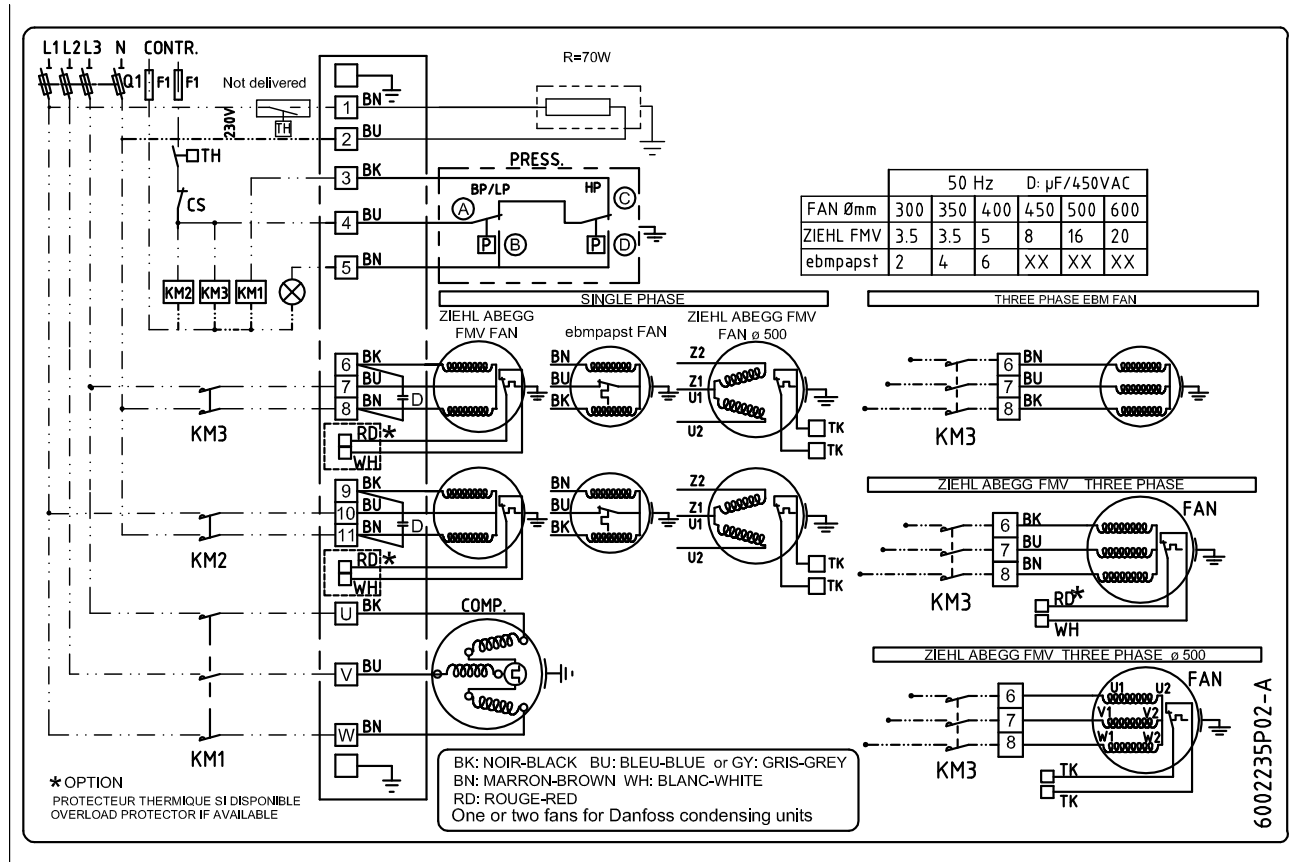
N: NOIR-BLACK B: BLEU-BLUE or GRIS-GREY * Not delivered
 M: MARRON-BROWN W: BLANC-WHITE
 R: ROUGE-RED

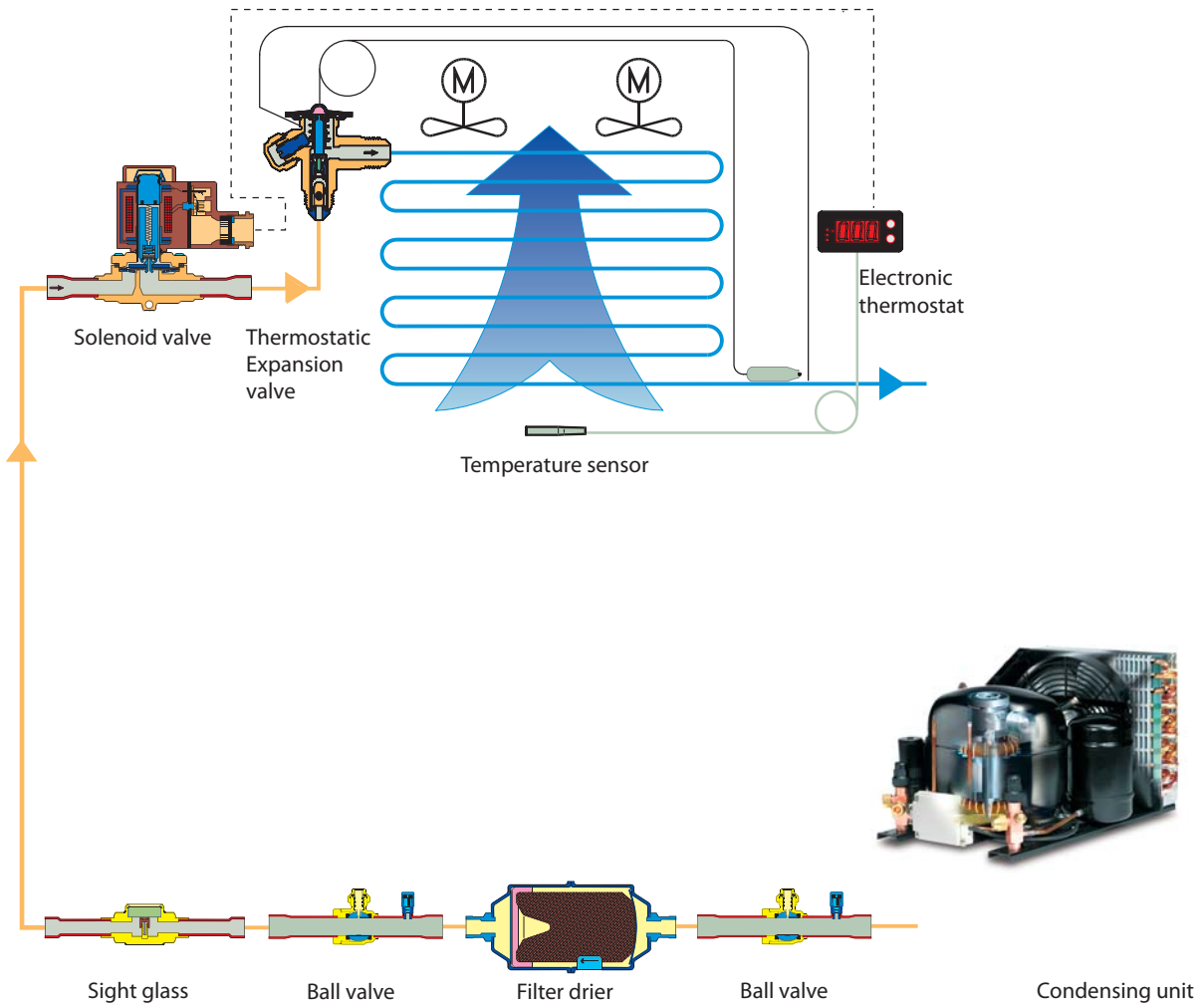
COMPRESSOR MODEL	DISPLACEMENT cm ³	50 Hz	
		A μF/450VAC	B μF/450VAC
MLZ019	043	70	
MLZ021	046	70	
MLZ026	057	70	
MLZ030	068	50	
MLZ038	080	55	

FAN DIAMETER	D (Capacitor Fan)			
	ZEIHL FMV		ebmpapst	
	μF/450VAC	μF/450VAC	μF/450VAC	μF/450VAC
	50 Hz	60 Hz	50 Hz	60 Hz
300	3.5	5	2	2
350	3.5	5	4	5
400	5	5	6	X
450	12	12	X	X

One or two fans for Danfoss condensing units

6002235P01-A

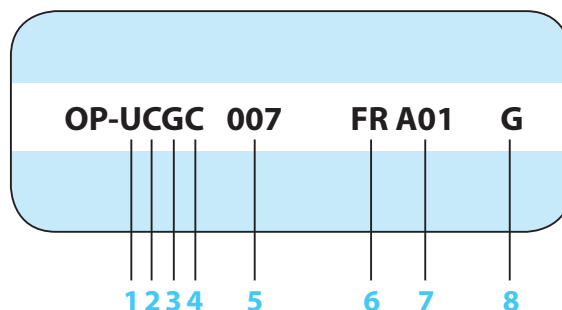




Designation system for the Optyma™ standard programme

(additional programme frequency etc.: please contact your local wholesaler)

1. Application
2. Platform or design
3. Refrigerant
4. Condenser option
5. Displacement
6. Compressor platform
7. Version
8. Electrical code



1	L = Low M = Medium U = Low / Medium / High	5	012 = 12 cm ³ 007 = 7.5 cm ³
2	C: Air cooled condensing unit with 1 fan and hermetic compressor G: Air cooled condensing unit with 2 fan and hermetic compressor	6	TL NL GS MT FR SC NT ML
3	G = R134a H = R404A/R507 C = R407C M = R22 Z = R404A/R134a/R507/R407C U = R404A/R134a/R507/R407C/R22	7	A00 = Without valves and receiver for capillary tubes A01 = Basic with bracket and copper pipes for KP A02 = With receiver, stop valves, universal pressure switch (KP17WB), flexible hoses and electrical box A04 = A01 + KP17WB + FSA-kit + power cord A05 = A01 but solder valve for inch tubes
4	C = Standard D = With oversized condenser (for higher ambient temperature and / or higher efficiency)	8	A: Compressor 220 V/1~/50+60 Hz, fan 220 V/1~/50+60 Hz G: Compressor 220 V/1~/50 Hz, fan 220 V/1~/50 Hz D: Compressor 400 V/3~/50 Hz, fan 400 V/3~/50 Hz E: Compressor 400 V/3~/50 Hz, fan 230 V/1~/50 Hz



Danfoss Commercial Compressors is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermeting compressors and today we operate engineering and manufacturing facilities spread across three continents.



Performer Variable Speed scroll compressors



Performer Air Conditioning scroll compressors



Performer Heat Pump scroll compressors



Maneurop Variable Speed reciprocating compressors



Performer Refrigeration scroll compressors



Maneurop Reciprocating Compressors



Optyma Plus Condensing Units



Optyma Condensing Units

Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

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