

Catalogue

Optyma™ Standard reliable condensing units

R404A/R507, R134a R407C, R407A, R407F - 50Hz



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R404A/R507

R134a

R407C

R407A

R407F



Reduce your customers' running costs

Danfoss Optyma™ condensing is a very energy-efficient solution for your application. Thanks to high efficiency fan motors, 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 Danfoss Optyma™ condensing units can be used with R404A/R507 as well as R134a, R407A, R407F, R407C. A multifunctional condensing unit for a wide variety of applications. It will reduce your stock and improve your logistics.



Installation just got easier

Danfoss 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.



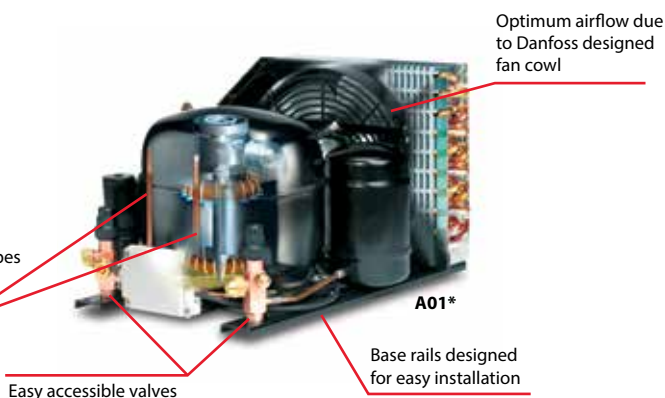
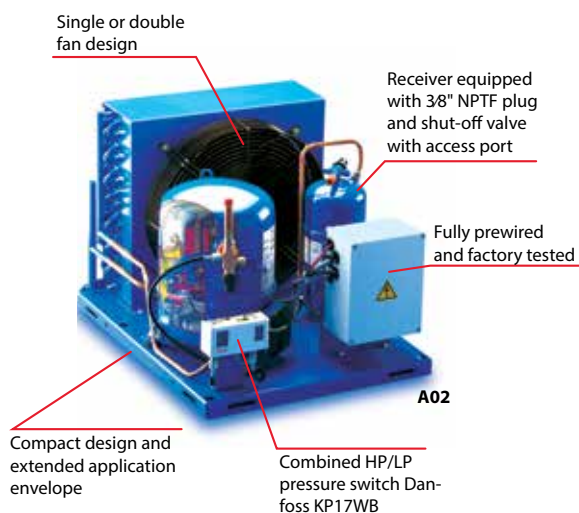
Increase business opportunity with complete range of condensing units

With Danfoss Optyma™ cooling capacity almost has no limits. Thanks to wide range of condensing units for LBP, MBP and HBP applications and thanks to a real multi refrigerant solution, Danfoss Optyma™ condensing unit meets all your needs in refrigeration applications.



Environmental friendly

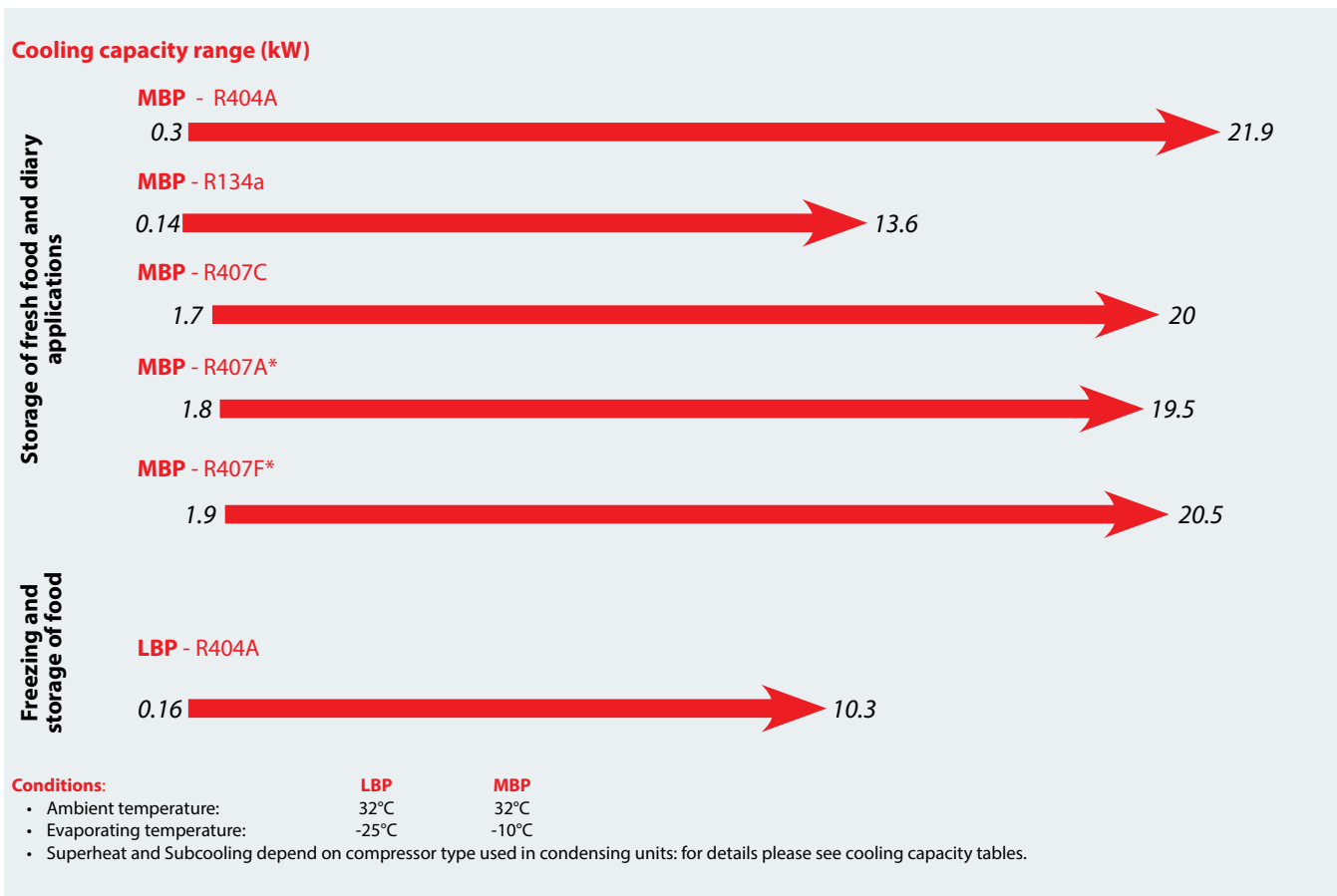
Danfoss Optyma™ condensing units meet Energy Related Product (ErP) directive applicable for fan motors.



* Version
 A00: Without valves & receiver for capillary tubes
 A04: A01 + KP17WB + FSA-Kit + Power cord

Main product features

- Powder coated steel parts and crankcase heater as standard
- HFC refrigerants (R134a, R404A, R507, R407C, R407A, R407F)
- High COP and high efficient compressors
- Service valves with access ports and access valves/stubs for easy connection
- 100% factory tested



*preliminary data

Optyma™ units can work in the following evaporating temperature range:

- LBP R404A -40°C to -10°C
- MBP R404A -20°C to +10°C
- MBP R407A /R407F -20°C to +10°C
- MBP R134a -15°C to +15°C
- MBP R407C -15°C to +10°C

For further detailed information, please contact Danfoss or use dedicated software.

Fan	Test conditions	Unit	Version	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at -25°C evap temp
								-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	
	CECOMAF	OP-LCHC004	A00	114X1208	G	TL4CLX	27	80	110	140	180	220	280	340	170
			A01	114X1209			32	70	90	120	160	200	250	310	
			A04	114X1211			38	60	80	100	130	170	220	270	
		OP-LCHC006	A00	114X1216	G	FR6CLX	27	130	170	230	290	370	460	570	270
			A01	114X1217			32	120	160	210	260	330	420	510	
			A04	114X1219			38	100	140	180	230	290	360	440	
								43	90	120	150	200	250		
		OP-LCHC008	A00	114X1324	G	FR8.5CLX	27	160	210	270	350	450	560	700	340
			A01	114X1325			32	140	190	250	320	410	510	630	
			A04	114X1327			38	110	150	200	270	350			
		OP-LCHC007	A00	114X1328	G	NL7CLX	27	170	230	310	400	500	620	760	300
			A01	114X1329			32	160	210	280	370	460	570	700	
			A04	114X1331			38	140	190	250	320	410	510	630	
								43							
		OP-LCHC008	A00	114X1304	G	NL8.4CLX	27	190	260	340	430	550	680	830	340
							32	170	230	310	400	500	620	760	
							38	150	200	270	350	450	560	680	
							43	130	180	240	310	390	490	610	
		OP-LCHC010	A00	114X1332	G	SC10CLX	27		230	330	450	600	760	950	390
			A01	114X1333			32		190	290	400	530	690	860	
			A04	114X1335			38			240	340	460	600	760	
								43				290	400	530	
		OP-LCHC012	A00	114X1440	G	SC12CLX	27	230	330	460	620	800	1000	1240	500
			A01	114X1441			32	170	280	400	540	710	910	1130	
			A04	114X1443			38	110	200	320	450	600	780	990	
								43		140	250	370	510	680	
		OP-LCHC012	A00	114X1444	G	SC12CLX.2	27	270	370	480	620	790	970	1190	530
							32	230	320	430	560	720	890	1100	
38	180						270	370	490	630	790	980			
43							230	320	430	560	710	880			
OP-LCHC015	A00	114X1548	G	SC15CLX	27	280	410	560	730	910	1130	1370	600		
	A01	114X1549			32	200	350	500	660	850	1050	1280			
	A04	114X1551			38		250	410	580	760	950	1170			
						43			330	500	670	860		1070	
OP-LCHC018	A00	114X1556	G	SC18CLX	27	360	500	670	870	1110	1380	1690	660		
	A01	114X1557			32	310	440	590	780	1000	1250	1530			
	A04	114X1559			38	240	360	500	670	870	1090	1350			
						43		300	430	580	760	960		1200	
OP-LCHC021	A00	114X1564	G	SC21CLX	27	420	590	780	1010	1270	1570	1910	740		
	A01	114X1565			32	360	510	680	890	1140	1420	1730			
	A04	114X1567			38	300	420	570	760	980	1230	1520			
						43		350	490	650	860	1090		1360	
OP-LCHC026	A01	114X1673	G	GS26CLX	27	550	770	1030	1340	1700	2120	2600	980		
					32	470	670	910	1200	1530	1920	2360			
					38	370	560	780	1030	1330	1680	2080			
					43	300	470	660	900	1170	1490	1850			
OP-LCHC034	A01	114X1781	G	GS34CLX	27	800	1080	1430	1830	2310	2860	3490	1300		
					32	700	970	1290	1670	2110	2630	3220			
					38	580	830	1120	1470	1870	2350	2890			
					43	480	710	980	1300	1670	2110	2610			

Test condition

Ambient temperature
Suction gas temperature
Subcooling

RGT20 32°C
32°C
20°C
0K

CECOMAF 32°C
32°C
32°C
0K

Electrical code

G: compressor 230 V/1 phase/50 Hz, fan 230 V/1 phase/50 Hz

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 LCHC034)

Power consumption referred at 32°C ambient temperature

Catalogue
R404A/R507 LBP

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Dimensions (mm)						Weight (kg) (version A01)	
	Type	Air flow (m ³ /h)	Int. volume (dm ³)	Fan blade Ø (mm)		Fig.	Height H (mm)	Width W (mm)	Depth 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"	19	17
OP-LCHC006	BG2	231	0.25	1x200	0.8	2	226	304	446	3/8"	1/4"	19	17
OP-LCHC008	BG3	518	0.31	1x230	1.1	2	256	321	458	3/8"	1/4"	20	18
OP-LCHC007	BG3	518	0.31	1x230	1.1	3	256	321	458	3/8"	1/4"	20	18
OP-LCHC008	BG3	518	0.31	1x230	1.1	3	256	321	458	3/8"	1/4"	18*	16*
OP-LCHC010	BG3	518	0.31	1x230	1.1	4	256	321	458	3/8"	1/4"	20	18
OP-LCHC012	BG4	631	0.40	1x254	1.1	4	296	331	465	3/8"	1/4"	25	22
OP-LCHC012	BG4	631	0.40	1x254	1.1	4	296	331	465	3/8"	1/4"	23*	20*
OP-LCHC015	BG5	583	0.53	1x254	1.1	4	296	331	465	3/8"	1/4"	26	23
OP-LCHC018	BG5	583	0.53	1x254	1.1	4	296	331	465	1/2"	1/4"	26	23
OP-LCHC021	BG5	583	0.53	1x254	1.1	4	296	331	465	1/2"	1/4"	26	23
OP-LCHC026	BG6	1150	0.63	1x300	2.4	7	340	430	480	1/2"	3/8"	45	39
OP-LCHC034	BG7	990	0.84	1x300	2.4	7	340	430	480	1/2"	3/8"	48	42

*weight referred to version A00

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at -25°C evap temp		
							-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C			
	SH= 10K	OP-LCHC048	114X5044	G	NTZ048	27	750	1050	1400	1800	2250	2700	3150	1450		
			114X5037	E		32	650	900	1250	1600	2000	2400	2800			
						38	500	750	1050	1350	1700	2050	2450			
		OP-LCHC068	114X5045	G	NTZ068	27	1350	1850	2400	3050	3750	4500	5300	2250		
						32	1200	1650	2150	2750	3350	4050	4800			
			114X5038	E		38	1000	1400	1850	2350	2950	3550	4200			
		OP-LCHC096	114X5039	E	NTZ096	27	1550	2150	2850	3650	4550	5600	6700	2700		
						32	1350	1850	2500	3250	4050	5000	6000			
						38	1050	1550	2100	2750	3500	4300	5200			
		OP-LCHC108	114X5040	E	NTZ108	27	1900	2600	3450	4400	5400	6550	7750	3200		
						32	1600	2250	3050	3900	4850	5900	6950			
						38	1300	1900	2550	3350	4200	5100	6050			
		OP-LCHC136	114X5041	E	NTZ136	27	2450	3300	4350	5500	6750	8150	9650	4300		
						32	2150	2950	3850	4900	6100	7350	8750			
						38	1750	2450	3300	4250	5250	6400	7650			
		OP-LCHC215	114X5042	E	NTZ215	27	3750	5100	6650	8400	10300	12400	14550	6700		
						32	3200	4450	5900	7500	9250	11150	13100			
						38	2550	3700	4950	6400	7950	9600	11400			
		OP-LCHC271	114X5043	E	NTZ271	27	5100	6850	8850	11100	13500	16050	18700	8600		
						32	4500	6100	7900	9950	12100	14450	16850			
						38	3750	5150	6800	8550	10450	12500	14600			
			SH= 10K	OP-LGHC048	114X5089	E	NTZ048	27	750	1100	1450	1900	2350	2850	3400	1650
								32	650	950	1300	1700	2100	2550	3050	
								38	500	800	1100	1450	1800	2200	2650	
OP-LGHC068	114X5090			E	NTZ068	27	1350	1800	2350	2950	3650	4350	5100	2550		
						32	1150	1600	2100	2650	3250	3900	4600			
						38	950	1350	1800	2300	2850	3450	4050			
OP-LGHC096	114X5091			E	NTZ096	27	1550	2150	2850	3650	4600	5650	6750	3050		
						32	1350	1850	2500	3250	4100	5050	6100			
						38	1050	1550	2100	2750	3500	4350	5300			
OP-LGHC108	114X5092			E	NTZ108	27	1900	2650	3500	4500	5650	6850	8100	3700		
						32	1650	2350	3100	4050	5050	6150	7300			
						38	1350	1950	2650	3450	4350	5300	6350			
OP-LGHC136	114X5093			E	NTZ136	27	2550	3400	4500	5700	7100	8600	10250	4800		
						32	2200	3000	4000	5100	6400	7800	9300			
						38	1800	2550	3400	4400	5550	6800	8150			
OP-LGHC215	114X5094			E	NTZ215	27	3950	5400	7100	9050	11250	13700	16350	7450		
						32	3400	4750	6350	8150	10150	12400	14850			
						38	2750	3950	5400	7000	8800	10800	13000			
OP-LGHC271	114X5095			E	NTZ271	27	5250	7050	9150	11500	14100	16850	19800	9400		
						32	4600	6250	8200	10350	12700	15250	17900			
						38	3850	5350	7050	8950	11000	13250	15600			
							43	3200	4550	6050	7750	9600				

Test condition

Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

Catalogue
R404A/R507 LBP

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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
OP-LCHC048	A4	1200	1.2	1x300	3	5	402	500	600	5/8"	3/8"	52	45
OP-LCHC068	C4	2150	2.3	1x350	6	5	555	630	650	5/8"	1/2"	64	57
OP-LCHC096	D4	2000	3.1	1x350	6	5	555	630	650	7/8"	1/2"	78	71
OP-LCHC108	E4	3150	2.5	1x400	6	5	605	630	650	7/8"	1/2"	92	80
OP-LCHC136	G4	3150	4.1	1x400	8	5	656	755	700	7/8"	1/2"	95	83
OP-LCHC215	J4	6000	4.4	1x500	14	5	708	900	900	1-1/8"	5/8"	151	136
OP-LCHC271	L4	5850	6.3	1x500	14	5	759	900	900	1-1/8"	5/8"	166	151
OP-LGHC048	C3	1.300	1.6	2x254	3	6	392	700	500	5/8"	3/8"	52	45
OP-LGHC068	D3	2800	1.5	2x300	6	6	442	800	600	5/8"	1/2"	62	55
OP-LGHC096	E3	2600	2.2	2x300	6	6	442	800	600	7/8"	1/2"	78	71
OP-LGHC108	G3	4600	2.3	2x350	8	6	555	1000	700	7/8"	1/2"	102	89
OP-LGHC136	H3	3600	4.7	2x350	8	6	555	1000	700	7/8"	1/2"	107	94
OP-LGHC215	L3	8600	5.1	2x450	14	6	671	1200	800	1-1/8"	5/8"	152	138
OP-LGHC271	L3	8600	5.1	2x450	14	6	671	1200	800	1-1/8"	5/8"	158	144

Fan	Test conditions	Unit	Version	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
								-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
CECOMAF	OK	OP-MCHC004	A00	114X2208	G	TL4DLX	27	250	280	340	410	510	620	740	230	280
			A01	114X2209			32	220	250	300	380	460	570	680		
			A04	114X2211			38	180	210	260	330	410	500			
		OP-MCHC006	A00	114X2316	G	FR6DLX	27	380	460	560	690	830	1000	1190	380	480
			A01	114X2317			32	340	420	510	620	750	910	1080		
			A04	114X2319			38	300	360	440	540	660	790			
			43													
		OP-MCHC007	A00	114X2424	G	NF7MLX	27		600	740	910	1090	1300		450	530
			A01	114X2425			32		550	680	830	1000	1200			
			A04	114X2427			38		490	600	740	900	1080			
		OP-MCHC010	A00	114X2532	A	SC10MLX	27	650	810	1010	1240	1500	1810		560	670
			A01	114X2533			32	590	740	920	1130	1370	1650			
			A04	114X2535			38	510	650	810	1000	1210	1460			
			43				570	720	890	1080	1300					
		OP-MCHC012	A00	114X2540	G	SC12MLX	27	790	990	1220	1490	1810	2170		660	800
			A01	114X2541			32	720	900	1120	1370	1660	1990			
			A04	114X2543			38	630	790	990	1210	1470	1760			
		OP-MCHC015	A01	114X2649	G	SC15MLX	27	980	1220	1510	1840	2220	2650		840	1030
			A04	114X2651			32	890	1120	1380	1690	2040	2450			
							38	790	990	1220	1500	1820	2200			
							43		880	1090	1350	1640	1980			
		OP-MCHC018	A00	114X2756	G	SC18MLX	27	1150	1430	1750	2140	2580	3080		920	1130
			A01	114X2757			32	1040	1300	1610	1960	2370	2840			
			A04	114X2759			38	920	1150	1430	1750	2120	2550			
		OP-MCHC021	A01	114X2765	G	GS21MLX	27	1370	1730	2160	2670	3260	3950		1030	1260
							32	1230	1560	1960	2420	2960	3590			
							38	1080	1370	1720	2130	2610	3170			
							43	950	1220	1530	1900	2330	2820			
		OP-MCHC026	A01	114X2773	G	GS26MLX	27	1760	2220	2750	3360	4060	4870		1270	1570
							32	1600	2020	2510	3080	3730	4470			
38	1400						1790	2230	2740	3320	3990					
OP-MCHC034	A01	114X2881	G	GS34MLX	27	2360	2920	3560	4300	5140	6090		1830	2320		
					32	2160	2680	3280	3970	4750	5640					
					38	1900	2380	2930	3550	4250	5060					
					43	1690	2130	2620	3180	3820	4550					

Test condition

CECOMAF
 Ambient temperature 32°C
 Suction gas temperature 32°C
 Subcooling OK

Electrical code

G: Compressor 230 V/1 phase/50 Hz, fan 230 V/1 phase/50 Hz
A: Compressor 230 V/1 phase/50+60 Hz, fan 230 V/1 phase/50+60 Hz

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

Power consumption referred at 32°C ambient temperature

Catalogue
R404A/R507 MBP

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Dimensions (mm)						Weight (kg) (version A01)	
	Type	Air flow (m ³ /h)	Int. volume (dm ³)	Fan blade Ø (mm)		Fig.	Height H (mm)	Width W (mm)	Depth D (mm)	Suction line	Liquid line	Gross	Net
OP-MCHC004	BG2	231	0.25	1X200	0.8	1	226	304	446	3/8"	1/4"	19	17
OP-MCHC006	BG3	518	0.31	1X230	1.1	2	256	321	458	3/8"	1/4"	20	18
OP-MCHC007	BG4	631	0.40	1X254	1.1	3	296	331	478	3/8"	1/4"	25	22
OP-MCHC010	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	26	23
OP-MCHC012	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	26	23
OP-MCHC015	BG6	1132	1.1	1X300	1.1	4	350	442	610	1/2"	1/4"	48	42
OP-MCHC018	BG7	827	1.8	1X300	1.1	4	350	442	610	1/2"	1/4"	50	44
OP-MCHC021	BG7	990	0.84	1X300	1.6	7	340	430	480	5/8"	3/8"	48	42
OP-MCHC026	BG7	990	0.84	1X300	1.6	7	340	430	480	5/8"	3/8"	48	42
OP-MCHC034	BG8	2300	1.36	1X350	2.4	8	450	500	600	5/8"	3/8"	51	44

Fan	Test conditions	Unit	Version	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
								-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
	SH=10K	OP-MCZC030		114X5024	G	MTZ018	27	1300	1700	2200	2700	3250	3850	4450	1350	1750
				32	1150		1550	2000	2450	2950	3500	4050				
				38	1000		1350	1700	2150	2600	3050	3550				
		OP-MCZC038		114X5025	G	MTZ022	27	1850	2400	3000	3700	4400	5150	5950	1700	2250
				32	1650		2150	2700	3300	4000	4650	5400				
				38	1400		1850	2350	2900	3450	4100	4750				
		OP-MCZC048		114X5026	G	MTZ028	27	2500	3250	4050	4900	5850	6850	7900	2150	2850
				32	2250		2900	3650	4450	5300	6250	7200				
				38	1900		2500	3150	3900	4700	5500	6400				
		OP-MCZC054		114X5027	G	MTZ032	27	2900	3650	4500	5400	6350	7400	8450	2350	3200
				32	2600		3300	4050	4900	5800	6700	7700				
				38	2200		2850	3550	4300	5100	5900	6800				
		OP-MCZC060		114X5028	G	MTZ036	27	3350	4200	5150	6150	7200	8300	9400	2800	3800
				32	3050		3800	4650	5600	6550	7550	8550				
				38	2650		3350	4100	4900	5750	6600	7500				
		OP-MCZC068		114X5017	E	MTZ040	27	3950	4900	5950	7050	8250	9450	10700	3250	4350
				32	3550		4450	5400	6400	7500	8600	9750				
				38	3100		3900	4750	5650	6600	7600	8600				
		OP-MCZC086		114X5018	E	MTZ050	27	4450	5650	6950	8350	9850	11450	13100	3500	4600
				32	4000		5050	6250	7550	8950	10400	11900				
				38	3450		4400	5450	6600	7850	9150	10550				
		OP-MCZC096	A02	114X5019	E	MTZ056	27	4800	6100	7550	9150	10900	12700	14600	3800	5100
				32	4300		5500	6850	8300	9900	11600	13350				
				38	3700		4800	6000	7300	8750	10300	11900				
OP-MCZC108		114X5020	E	MTZ064	27	5800	7350	9050	10950	13050	15200	17500	5000	6550		
		32	5200		6600	8200	9950	11850	13900	16000						
		38	4500		5750	7150	8750	10450	12300	14250						
OP-MCZC121		114X5021	E	MTZ072	27	6600	8350	10250	12400	14700	17150	19750	5450	7100		
		32	5900		7500	9300	11250	13400	15700	18100						
		38	5150		6550	8150	9950	11850	13950	16150						
OP-MCZC136		114X5022	E	MTZ080	27	7700	9550	11600	13850	16200	18700	21300	6450	8450		
		32	6950		8650	10550	12600	14800	17100	19500						
		38	6050		7600	9300	11150	13100	15200	17350						
OP-MCZC171		114X5023	E	MTZ100	27	8650	11000	13500	16200	19050	22000	25050	7650	9850		
		32	7800		9950	12250	14700	17300	20000	22800						
		38	6750		8650	10700	12900	15200	17600	20100						
OP-MGZC215		114X5073	E	MTZ125	27	11750	14750	18100	21800	25800	30050	34500	11450	14400		
		32	10550		13300	16400	19800	23500	27400	31550						
		38	9150		11600	14350	17450	20750	24300	28100						
OP-MGZC242		114X5074	E	MTZ144	27	13550	16750	20350	24200	28250	32550	36950	12950	16450		
		32	12200		15150	18450	21950	25700	29650	33700						
		38	10600		13250	16200	19300	22650	26200	29850						
OP-MGZC271		114X5075	E	MTZ160	27	15050	18700	22750	27150	31800	36750	41800	14200	18300		
		32	13600		16950	20700	24700	29050	33550	38250						
		38	11850		14900	18200	21800	25700	29750	34000						
							43	10450	13150	16150	19400	22900				

Test condition

SH 10K
 Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

Power consumption referred at 32°C ambient temperature

Electrical code

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

Version

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

Catalogue
R404A/R507 MBP

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)	Depth 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"	52	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	54	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

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
SH=10K		OP-MGZD030	114X5061	E	MTZ018	32	1200	1600	2100	2600	3150	3750	4350	1500	1850
						38	1050	1400	1800	2250	2750	3300	3850		
						43	900	1200	1600	2000	2450				
						46	800	1100	1450	1850	2250				
		OP-MGZD038	114X5062	E	MTZ022	32	1750	2300	2900	3600	4350	5150	6050	1950	2450
						38	1500	1950	2500	3150	3800	4550	5350		
						43	1300	1700	2200	2750	3350				
						46	1150	1550	2000	2550	3100				
		OP-MGZD048	114X5063	E	MTZ028	32	2300	2950	3750	4600	5550	6550	7600	2450	3100
						38	1950	2550	3250	4050	4900	5800	6750		
						43	1650	2250	2900	3600	4350				
						46	1500	2050	2650	3300	4050				
		OP-MGZD054	114X5064	E	MTZ032	32	2650	3400	4200	5100	6050	7100	8150	2650	3450
						38	2300	2950	3650	4450	5350	6250	7200		
						43	2000	2550	3250	3950	4750				
						46	1800	2350	2950	3650	4400				
		OP-MGZD060	114X5065	E	MTZ036	32	3200	4100	5050	6100	7250	8450	9700	3300	4200
						38	2800	3600	4450	5400	6400	7500	8600		
						43	2450	3150	3950	4800	5700				
						46	2250	2900	3650	4450	5300				
		OP-MGZD068	114X5066	E	MTZ040	32	3800	4800	5950	7150	8500	9900	11450	3650	4550
						38	3350	4250	5250	6350	7550	8850	10200		
						43	2950	3800	4700	5650	6750				
						46	2700	3500	4350	5250	6250				
		OP-MGZD086	114X5067	E	MTZ050	32	4250	5450	6800	8300	9900	11700	13550	3950	4950
						38	3650	4700	5950	7300	8750	10350	12050		
						43	3200	4150	5250	6450	7800				
						46	2900	3800	4850	5950	7200				
		OP-MGZD108	114X5069	E	MTZ064	32	5450	6950	8700	10650	12800	15100	17600	5100	6550
						38	4700	6050	7650	9400	11300	13400	15700		
						43	4100	5350	6750	8350	10100				
						46	3750	4900	6200	7700	9350				
		OP-MGZD121	114X5070	E	MTZ072	32	6000	7600	9450	11500	13700	16050	18550	5600	7250
						38	5200	6650	8300	10150	12100	14300	16600		
						43	4550	5850	7350	9000	10850				
						46	4200	5400	6800	8350	10100				
		OP-MGZD136	114X5071	E	MTZ080	32	7300	9200	11300	13650	16200	18900	21800	7150	9000
						38	6400	8100	10000	12100	14400	16850	19500		
						43	5650	7200	8900	10850	12900				
						46	5200	6650	8250	10050	12050				
		OP-MGZD171	114X5072	E	MTZ100	32	8250	10600	13200	16050	19150	22450	25850	8300	10250
						38	7200	9300	11650	14200	16950	19850	22950		
						43	6300	8200	10300	12600	15100				
						46	5750	7550	9500	11650	13950				
		OP-MGZD215	114X5118	E	MTZ125	32	10900	13800	17150	20800	24850	29200	33850	11350	14100
						38	9450	12050	15050	18350	22000	25950	30200		
						43	8300	10650	13350	16350	19700				
						46	7650	9850	12350	15200	18300				
OP-MGZD242	114X5119	E	MTZ144	32	12650	15850	19400	23250	27400	31850	36500	12800	16100		
				38	11050	13900	17050	20500	24250	28250	32450				
				43	9700	12250	15100	18250	21650						
				46	8900	11300	13950	16900	20050						
OP-MGZD271	114X5120	E	MTZ160	32	14200	17850	21900	26400	31250	36500	42000	13800	17600		
				38	12400	15700	19350	23400	27750	32500	37500				
				43	10950	13900	17200	20900	24850						
				46	10100	12850	15950	19400	23150						

Test condition

SH 10K
 Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

Catalogue
R404A/R507 MBP

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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
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 × 350	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 350	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 350	8	6	555	1000	700	7/8"	1/2"	107	93
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 × 630	14	6	975	1500	870	1 1/8"	5/8"	230	212

Fan	Test conditions	Unit	Version	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)						Power consumption (W) at -10°C evap temp
								-30°C	-25°C	-20°C	-10°C	0°C	+5°C	
CECOMAF	OP-UCGC003	A00	114X0104	G	TL3GX	27	50	70	90	150	240	290	350	120
		A01	114X0105			32	40	60	80	140	220	270	330	
		A04	114X0107			38	40	50	70	130	200	250	300	
	OP-UCGC004	A00	114X0108	G	TL4GX	27	70	90	120	190	300	360	430	140
		A01	114X0109			32	60	80	110	180	280	340	410	
		A04	114X0111			38	50	70	90	160	250	310		
	OP-UCGC005	A00	114X0112	G	TL5GX	27	80	110	140	230	360	440	530	170
		A01	114X0113			32	70	100	130	220	340	410	500	
		A04	114X0115			38	70	90	120	200	310	380	460	
	OP-UCGC006	A00	114X0200	G	FR6GX	27	100	140	190	310	470	580	700	190
		A01	114X0201			32	90	120	170	290	440	540	660	
		A04	114X0203			38	70	110	150	260	410	500	610	
	OP-MCGC006	A00	114X0228	A	NL6.1MF	27			200	330	520	640	770	200
						32			180	310	490	600	720	
						38			170	280	440	550	660	
	OP-UCGC007	A00	114X0216	G	FR7.5GX	27	110	150	200	340	530	640	780	210
		A01	114X0217			32	100	140	190	320	490	610	740	
		A04	114X0227			38	80	120	170	290	460	560	690	
	OP-UCGC008	A00	114X0224	G	FR8.5GX	27	140	190	250	400	620	750	910	250
		A01	114X0225			32	130	170	230	380	590	720	860	
		A04	114X0227			38	110	150	200	340	540	660	800	
	OP-MCGC007	A00	114X0244	A	NL7.3MF	27			250	410	640	780	940	240
						32			230	380	590	730	880	
						38			210	350	540	670	810	
	OP-UCGC010	A00	114X0232	G	FR10GX	27	150	200	270	430	670	820	990	280
		A01	114X0233			32	130	180	240	400	630	770	930	
						38	110	160	220	370	580	710	860	
	OP-MCGC008	A00	114X0352	A	NL8.4MF	27			290	470	730	890	1080	270
						32			270	440	680	830	1010	
						38			240	400	620	760	930	
OP-UCGC010	A04	114X0223	G	SC10GX	27	160	230	310	490	710	820	950	300	
					32	140	210	280	450	660	780	910		
					38	110	170	240	400	610	730			
OP-UCGC011	A00	114X0336	G	FR11GX	27	170	250	330	550	830	1000		330	
	A01	114X0337			32	150	230	310	500	770	940			
	A04	114X0339			38	130	200	270	450	710	870			
OP-UCGC012	A00	114X0340	G	SC12GX	27	210	290	390	660	1030	1260	1520	370	
	A01	114X0341			32	180	260	350	610	960	1180	1430		
	A04	114X0343			38	150	220	310	540	870	1080	1320		
OP-UCGC015	A00	114X0448	G	SC15GX	27		320	440	750	1170	1440	1740	460	
	A01	114X0449			32		290	410	710	1110	1360	1640		
	A04	114X0451			38		240	360	650	1020	1250	1510		
OP-UCGC018	A00	114X0556	G	SC18GX	27		410	550	910	1390	1670	2000	520	
	A01	114X0557			32		370	500	840	1300	1570	1890		
	A04	114X0559			38		320	440	760	1190	1460	1760		
OP-UCGC021	A00	114X0564	G	SC21GX	27		490	660	1100	1670	2010	2390	600	
	A01	114X0565			32		450	60	1020	1570	1900	2270		
	A04	114X0567			38		400	540	930	1450	1760	2110		
OP-MCGC021	A00	114X0568	G	SC21MF	27			680	1090	1670	2030	2440	630	
					32			640	1030	1570	1910	2310		
					38			580	940	1450	1780	2150		
OP-UCGC026	A01	114X0773	G	GS26MFX	27			860	1440	2240	2750		770	
					32			800	1340	2080	2550			
					38			730	1220	1900	2320			
OP-UCGC034	A01	114X0781	G	GS34MFX	27			1150	1870	2860	3480		980	
					32			1060	1740	2680	3270			
					38			950	1590	2470	3020			
					43			860	1460	2290	2810			

Test condition

	RGT20	CECOMAF
Ambient temperature	32°C	32°C
Suction gas temperature	20°C	32°C
Subcooling	OK	OK

Power consumption referred at 32°C ambient temperature

Electrical code

A: Compressor 230 V/1 phase/50+60 Hz, fan 230 V/1 phase/50+60 Hz
G: Compressor 230 V/1 phase/50 Hz, fan 230 V/1 phase/50 Hz

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

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Dimensions (mm)						Weight (kg) (version A01)	
	Type	Air flow (m ³ /h)	Int. volume (dm ³)	Fan blade Ø (mm)		Fig.	Height H (mm)	Width W (mm)	Depth D (mm)	Suction line	Liquid line	Gross	Net
OP-UCGC003	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	16	14
OP-UCGC004	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	16	14
OP-UCGC005	BG1	243	0.13	1x172	0.8	1	197	289	410	1/4"	1/4"	16	14
OP-UCGC006	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	19	17
OP-MCGC006	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	19*	17*
OP-UCGC007	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	19	17
OP-UCGC008	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	19	17
OP-MCGC007	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	19	17
OP-UCGC010	BG2	231	0.25	1x200	0.8	4	226	304	432	3/8"	1/4"	19	17
OP-MCGC008	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	20*	18*
OP-UCGC010	BG2	231	0.25	1x200	0.8	4	226	304	432	3/8"	1/4"	21**	19**
OP-UCGC011	BG3	518	0.31	1x230	1.1	4	256	321	444	3/8"	1/4"	20	18
OP-UCGC012	BG3	518	0.31	1x230	1.1	4	256	321	444	3/8"	1/4"	22	20
OP-UCGC015	BG4	631	0.40	1x254	1.1	4	296	331	451	3/8"	1/4"	25	22
OP-UCGC018	BG5	583	0.53	1x254	1.1	4	296	331	473	3/8"	1/4"	26	23
OP-UCGC021	BG5	583	0.53	1x254	1.1	4	296	331	513	3/8"	1/4"	26	23
OP-MCGC021	BG5	583	0.53	1x254	1.1	4	296	331	513	3/8"	1/4"	26*	23*
OP-UCGC026	BG7	990	0.84	1x300	2.4	7	340	430	480	3/8"	1/4"	39	33
OP-UCGC034	BG7	990	0.84	1x300	2.4	7	340	430	480	1/2"	3/8"	40	34

*weight referred to version A00
 **weight referred to version A04

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
							-15°C	-10°C	-5°C	0°C	+5°C	+10°C	+15°C	-10°C	+5°C
	SH =10K	OP-MCZC030	114X5024	G	MTZ018	27	1000	1350	1800	2250	2800	3350	4000	800	1000
			32	900		1250	1600	2050	2550	3100	3650				
			38	750		1050	1450	1850	2300	2800	3300				
		OP-MCZC038	114X5012	E	MTZ022	27	1300	1750	2300	2900	3600	4400	5200	1000	1250
			32	1150		1600	2100	2700	3350	4050	4850				
			38	1000		1400	1900	2400	3000	3650	4400				
		OP-MCZC048	114X5026	G	MTZ028	27	1600	2200	2850	3650	4550	5600	6750	1150	1500
			32	1500		2000	2650	3400	4250	5200	6300				
			38	1350		1800	2400	3050	3850	4750	5750				
		OP-MCZC054	114X5027	G	MTZ032	27	1900	2550	3300	4150	5200	6300	7550	1400	1900
			32	1700		2300	3050	3850	4800	5900	7050				
			38	1500		2050	2700	3500	4350	5350	6400				
		OP-MCZC060	114X5028	G	MTZ036	27	2600	3250	4100	5050	6100	7300	8550	1600	2100
			32	2350		3000	3800	4700	5700	6850	8000				
			38	2100		2750	3500	4300	5250	6250	7350				
		OP-MCZC068	114X5017	E	MTZ040	27	3000	3700	4550	5500	6550	7700	8950	1800	2300
			32	2750		3450	4300	5200	6200	7300	8500				
			38	2550		3200	3950	4800	5750	6750	7850				
		OP-MCZC086	114X5018	E	MTZ050	27	3200	4200	5400	6750	8300	10000	11850	2000	2600
			32	2850		3800	4950	6200	7700	9300	11050				
38	2500		3350	4400		5600	6950	8450	10100						
OP-MCZC096	114X5019	E	MTZ056	27	3150	4300	5650	7250	9050	11000	13200	2100	2800		
	32	2850		3900	5200	6700	8400	10250	12350						
	38	2450		3450	4650	6050	7600	9400	11350						
OP-MCZC108	114X5020	E	MTZ064	27	3650	5200	6700	8550	10600	12850	15350	2850	3650		
	32	3350		4650	6150	7900	9850	12050	14350						
	38	2900		4150	5550	7200	9000	11050	13200						
OP-MCZC121	114X5021	E	MTZ072	27	4250	5900	7600	9650	12050	14650	17500	3200	4100		
	32	3900		5350	7050	9050	11300	13750	16500						
	38	3450		4800	6400	8300	10350	12700	15250						
OP-MCZC136	114X5022	E	MTZ080	27	5350	6900	8850	11050	13600	16400	19450	3600	4650		
	32	4850		6400	8250	10350	12700	15350	18250						
	38	4350		5800	7500	9450	11650	14150	16850						
OP-MCZC171	114X5023	E	MTZ100	27	6250	8050	10350	13000	15950	19250	22850	4300	5500		
	32	5550		7400	9550	12050	14850	17950	21350						
	38	4900		6600	8650	10950	13550	16400	19500						
OP-MGZC215	114X5073	E	MTZ125	27	8000	10750	13400	16750	20500	24750	29400	7050	8600		
	32	7250		9600	12350	15550	19100	23100	27500						
	38	6350		8550	11100	14100	17400	21150	25200						
OP-MGZC242	114X5074	E	MTZ144	27	10250	12850	16150	19900	24100	28700	33700	8250	10100		
	32	9150		11850	15000	18550	22550	26900	31600						
	38	8150		10700	13650	16950	20650	24650	29000						
OP-MGZC271	114X5075	E	MTZ160	27	11300	14250	17950	22200	26950	32200	37850	8650	10750		
	32	10200		13200	16700	20700	25200	30100	35450						
	38	9150		11950	15200	18900	23050	27550	32450						
43	8350	10950	13950	17400	21200	25400									

Test condition

Ambient temperature
Superheat
Subcooling

SH 10K
32°C
10K
0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

Unit	Condenser coil			Condenser fan	Receiver volume (L) (without valve)	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)	Depth 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"	52	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	54	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

Fan	Test conditions	Unit	Version: A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
							-15°C	-10°C	-5°C	0°C	+5°C	+10°C	+15°C	-10°C	+5°C
	SH= 10K	OP-MGZD030	114X5061	E	MTZ018	32	900	1250	1700	2150	2700	3250	3900	950	1150
						38	750	1100	1500	1900	2400	2900	3500		
						43	650	1000	1350	1750	2150	2650	3150		
						46	600	900	1250	1600	2050	2500			
		OP-MGZD038	114X5062	E	MTZ022	32	1200	1650	2200	2800	3500	4300	5200	1300	1550
						38	1050	1450	1950	2550	3200	3900	4700		
						43	900	1300	1750	2300	2900	3550	4300		
						46	850	1200	1650	2150	2750	3350			
		OP-MGZD048	114X5063	E	MTZ028	32	1500	2050	2650	3450	4350	5350	6500	1450	1800
						38	1350	1850	2400	3100	3950	4900	5950		
						43	1200	1650	2200	2850	3650	4500	5450		
						46	1150	1600	2100	2700	3450	4250			
		OP-MGZD054	114X5064	E	MTZ032	32	1750	2350	3100	3950	4950	6050	7300	1700	2150
						38	1550	2100	2800	3600	4500	5500	6650		
						43	1400	1900	2550	3250	4100	5050	6150		
						46	1300	1800	2400	3100	3900	4800			
		OP-MGZD060	114X5065	E	MTZ036	32	2400	3100	3950	4950	6050	7250	8600	2150	2600
						38	2200	2850	3650	4550	5550	6700	7950		
						43	2000	2600	3350	4200	5150	6200	7400		
						46	1900	2500	3200	4000	4900	5900			
		OP-MGZD068	114X5066	E	MTZ040	32	2850	3600	4450	5450	6550	7750	9100	2250	2700
						38	2600	3350	4150	5050	6100	7250	8500		
						43	2400	3100	3850	4750	5700	6800	7950		
						46	2300	2950	3700	4500	5450	6500			
		OP-MGZD086	114X5067	E	MTZ050	32	2950	3950	5150	6550	8200	9950	11950	2500	3050
						38	2550	3500	4650	5900	7400	9100	10900		
						43	2300	3150	4200	5400	6800	8350	10100		
						46	2100	2950	3950	5100	6450	7950			
OP-MGZD108	114X5069	E	MTZ064	32	3400	4750	6350	8200	10300	12600	15150	3050	3750		
				38	3000	4250	5750	7450	9400	11600	13950				
				43	2650	3850	5250	6850	8700	10700	12950				
				46	2450	3600	4950	6500	8250	10200					
OP-MGZD121	114X5070	E	MTZ072	32	3900	5400	7100	9150	11400	13950	16750	3350	4250		
				38	3450	4850	6500	8350	10500	12850	15450				
				43	3100	4400	5950	7700	9700	11950	14400				
				46	2850	4150	5600	7300	9250	11400					
OP-MGZD136	114X5071	E	MTZ080	32	5000	6600	8550	10750	13350	16250	19500	4400	5350		
				38	4450	6000	7800	9850	12300	15000	18000				
				43	4000	5450	7150	9100	11400	13950	16750				
				46	3750	5150	6750	8650	10850	13300					
OP-MGZD171	114X5072	E	MTZ100	32	5750	7650	9950	12650	15750	19200	23000	5100	6200		
				38	5050	6850	9000	11500	14350	17550	21100				
				43	4550	6250	8250	10550	13200	16200	19500				
				46	4250	5900	7800	10000	12550	15400					
OP-MGZD215	114X5118	E	MTZ125	32	7400	9800	12650	15950	19700	23950	28600	7050	8450		
				38	6450	8750	11400	14500	18000	21950	26300				
				43	5750	7850	10350	13250	16550	20250	24300				
				46	5300	7350	9750	12500	15650	19200					
OP-MGZD242	114X5119	E	MTZ144	32	9350	12150	15400	19150	23350	28000	33100	8200	9950		
				38	8350	10950	14000	17500	21400	25750	30450				
				43	7550	10000	12850	16100	19750	23800	28200				
				46	7050	9450	12150	15300	18800	22650					
OP-MGZD271	114X5120	E	MTZ160	32	10450	13550	17200	21450	26250	31600	37450	8400	10400		
				38	9400	12300	15700	19650	24050	29000	34450				
				43	8550	11250	14450	18100	22200	26800	31850				
				46	8050	10650	13700	17150	21100	25450					

Test condition

Ambient temperature **SH 10K**
 Superheat **32°C**
 Subcooling **10K**
0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

Unit	Condenser coil			Condenser fan	Receiver volume (L) (without valve)	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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
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 × 350	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 350	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 350	8	6	555	1000	700	7/8"	1/2"	107	93
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 × 630	14	6	975	1500	870	1 1/8"	5/8"	230	212

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)						Power consumption (W) at evap. temp.	
							-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
	SH =10K	OP-MCZC030	114X5024	G	MTZ018	27	1450	1950	2500	3100	3750	4400	1050	1400
			32	1250		1750	2250	2850	3450	4050				
			38			1500	2000	2500	3100	3650				
		OP-MCZC038	114X5012	E	MTZ022	27	2050	2650	3350	4100	4900	5700	1450	1950
			32	1850		2400	3050	3750	4500	5250				
			38			2150	2700	3350	4050	4750				
		OP-MCZC048	114X5026	G	MTZ028	27	2550	3400	4350	5400	6500	7650	1700	2350
			32	2300		3100	4000	4950	6000	7100				
			38			2750	3550	4450	5400	6400				
		OP-MCZC054	114X5014	E	MTZ032	27	3050	3950	4900	5950	7050	8200	1950	2700
			32	2800		3600	4500	5500	6500	7600				
			38			3200	4050	4950	5850	6850				
		OP-MCZC060	114X5015	E	MTZ036	27	3600	4550	5550	6700	7850	9100	2300	3250
			32	3250		4150	5150	6200	7300	8400				
			38			3750	4650	5600	6600	7600				
		OP-MCZC068	114X5016	E	MTZ040	27	4200	5300	6450	7750	9150	10550	2700	3750
			32	3850		4900	6000	7200	8500	9800				
			38			4400	5450	6550	7700	8900				
		OP-MCZC086	114X5017	E	MTZ050	27	4700	6000	7500	9100	10850	12650	2950	4100
			32	4250		5500	6900	8400	10000	11700				
			38			4850	6150	7500	9000	10550				
		OP-MCZC096	114X5018	E	MTZ056	27	5100	6650	8350	10200	12250	14400	3100	4400
			32	4650		6050	7650	9450	11300	13300				
			38			5400	6850	8500	10200	12050				
OP-MCZC108	114X5019	E	MTZ064	27	6200	7900	9850	12000	14300	16850	4100	5500		
	32	5650		7250	9050	11050	13250	15600						
	38			6500	8150	10000	12000	14150						
OP-MCZC121	114X5020	E	MTZ072	27	7050	9050	11300	13800	16500	19400	4700	6300		
	32	6450		8300	10400	12750	15300	18050						
	38			7450	9400	11550	13850	16350						
OP-MCZC136	114X5021	E	MTZ080	27	7950	10150	12600	15300	18200	21250	5400	7300		
	32	7300		9350	11700	14200	16900	19750						
	38			8450	10550	12850	15350	17950						
OP-MCZC171	114X5022	E	MTZ100	27	8900	11550	14550	17800	21250	24950	6200	8450		
	32	8000		10500	13300	16350	19600	23000						
	38			9300	11850	14650	17600	20700						
OP-MGZC215	114X5023	E	MTZ125	27	12900	16350	20200	24450	29050	33950	9900	12650		
	32	11750		15000	18650	22650	26950	31550						
	38			13450	16800	20450	24450	28650						
OP-MGZC242	114X5073	E	MTZ144	27	13850	17550	21700	26250	31150	36300	10900	14100		
	32	12650		16150	20050	24300	28900	33700						
	38			14450	18050	22000	26200	30600						
OP-MGZC271	114X5074	E	MTZ160	27	16600	20750	25400	30500	36000	41900	12200	15800		
	32	15250		19150	23550	28350	33500	38950						
	38			17300	21300	25700	30450	35450						
					43		19450	23550						

Test condition

Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

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)	Depth 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"	52	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	54	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

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)						Power consumption [W] at evap. temp.	
							-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
	SH= 10K	OP-MGZD030	114X5061	E	MTZ018	32	1300	1800	2350	2950	3650	4350	1200	1550
						38	1100	1550	2100	2650	3250	3900		
						43	950	1400	1900	2400				
						46	850	1300	1750	2250				
		OP-MGZD038	114X5062	E	MTZ022	32	1950	2550	3250	4000	4850	5750	1700	2150
						38	1650	2250	2900	3600	4350	5200		
						43	1450	2000	2600	3250				
						46	1350	1850	2450	3050				
		OP-MGZD048	114X5063	E	MTZ028	32	2350	3200	4100	5100	6200	7400	2000	2650
						38	2050	2800	3650	4600	5600	6700		
						43	1800	2500	3300	4200				
						46	1650	2350	3100	3950				
		OP-MGZD054	114X5064	E	MTZ032	32	2850	3700	4650	5700	6800	7950	2250	2950
						38	2500	3300	4150	5100	6150	7200		
						43	2200	2950	3750	4650				
						46	2000	2750	3550	4350				
		OP-MGZD060	114X5065	E	MTZ036	32	3450	4400	5500	6650	7950	9300	2800	3650
						38	3050	3950	4950	6050	7200	8450		
						43	2700	3600	4500	5500				
						46	2500	3350	4250	5200				
		OP-MGZD068	114X5066	E	MTZ040	32	4100	5200	6500	7900	9400	11050	3150	4000
						38	3700	4750	5900	7200	8600	10100		
						43	3300	4300	5400	6600				
						46	3100	4050	5100	6250				
		OP-MGZD086	114X5067	E	MTZ050	32	4500	5850	7350	9100	10950	12950	3400	4400
						38	3950	5200	6600	8150	9900	11750		
						43	3500	4650	5950	7400				
						46	3200	4350	5600	6950				
OP-MGZD108	114X5069	E	MTZ064	32	5850	7550	9500	11700	14150	16800	4200	5500		
				38	5200	6750	8550	10600	12800	15250				
				43	4700	6100	7800	9650						
				46	4400	5750	7300	9100						
OP-MGZD121	114X5070	E	MTZ072	32	6500	8400	10550	12950	15600	18400	4850	6400		
				38	5800	7550	9500	11700	14150	16700				
				43	5200	6800	8650	10700						
				46	4850	6400	8150	10050						
OP-MGZD136	114X5071	E	MTZ080	32	7600	9850	12400	15200	18250	21550	6150	7800		
				38	6800	8900	11200	13800	16650	19650				
				43	6100	8050	10250	12650						
				46	5700	7600	9650	11950						
OP-MGZD171	114X5072	E	MTZ100	32	8450	11150	14250	17700	21450	25500	6950	8900		
				38	7350	9900	12750	15900	19350	23050				
				43	6500	8850	11500	14400						
				46	6000	8250	10750	13500						
OP-MGZD215	114X5118	E	MTZ125	32	12100	15500	19350	23650	28300	33350	9800	12350		
				38	10700	13900	17450	21400	25700	30350				
				43	9550	12550	15850	19550						
				46	8850	11700	14900	18400						
OP-MGZD242	114X5119	E	MTZ144	32	13050	16750	20900	25450	30450	35800	10800	13750		
				38	11550	15000	18850	23100	27700	32600				
				43	10350	13600	17150	21100						
				46	9650	12750	16150	19900						
OP-MGZD271	114X5120	E	MTZ160	32	15850	20000	24700	29950	35650	41850	11800	15100		
				38	14200	18050	22400	27250	32500	38200				
				43	12800	16450	20500	25000						
				46	12000	15450	19350	23650						

Test condition

Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
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 × 350	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 350	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 350	8	6	555	1000	700	7/8"	1/2"	107	93
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 × 630	14	6	975	1500	870	1"1/8	5/8"	230	212

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.	
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
	SH =10K	OP-MCZC030	114X5024	G	MTZ018	27	1100	1500	1950	2500	3050	3700	4350	1150	1550
			32	950		1350	1800	2250	2800	3350	3950				
			38	850		1200	1550	2000	2500	3000					
		114X5012	E			43	750	1050	1400	1800	2250				
		OP-MCZC038	114X5025	G	MTZ022	27	1550	2100	2700	3400	4150	4950	5800	1450	2000
			32	1400		1900	2450	3100	3800	4550	5300				
			38	1200		1650	2150	2700	3350	4050					
		114X5013	E			43	1000	1450	1900	2400	3000				
		OP-MCZC048	114X5026	G	MTZ028	27	2100	2800	3550	4450	5450	6500	7600	1850	2550
			32	1850		2500	3250	4100	5000	6000	7050				
			38	1600		2200	2900	3650	4500	5400					
		114X5014	E			43	1400	1950	2550	3300	4050				
		OP-MCZC054	114X5027	G	MTZ032	27	2400	3150	4050	4950	6000	7100	8200	2000	2850
			32	2150		2900	3650	4550	5500	6500	7600				
			38	1850		2500	3250	4050	4900	5850					
		114X5015	E			43	1600	2200	2900	3600	4400				
		OP-MCZC060	114X5028	G	MTZ036	27	2800	3700	4650	5650	6800	7950	9200	2400	3400
			32	2550		3350	4250	5200	6250	7350	8450				
			38	2200		2950	3750	4650	5550	6550					
		114X5016	E			43	1950	2600	3350	4150	5000				
OP-MCZC068	114X5017	E	MTZ040	27	3300	4250	5300	6500	7750	9050	10400	2750	3850		
				32	3000	3900	4900	6000	7150	8350	9600				
				38	2650	3450	4350	5350	6400	7500					
43	2350	3100	3950	4800	5750										
OP-MCZC086	114X5018	E	MTZ050	27	3750	4950	6250	7750	9350	11050	12800	2950	4100		
				32	3350	4450	5700	7050	8550	10150	11800				
				38	2900	3900	5000	6250	7600	9050					
43	2500	3400	4450	5600	6850										
OP-MCZC096	114X5019	E	MTZ056	27	4000	5300	6800	8450	10250	12200	14250	3200	4550		
				32	3600	4800	6200	7750	9400	11250	13200				
				38	3100	4200	5450	6900	8450	10150					
43	2700	3700	4900	6200	7650										
OP-MCZC108	114X5020	E	MTZ064	27	4850	6350	8100	10050	12250	14550	17050	4300	5900		
				32	4350	5750	7400	9250	11250	13450	15800				
				38	3750	5050	6550	8200	10050	12100					
43	3250	4450	5850	7400	9100										
OP-MCZC121	114X5021	E	MTZ072	27	5550	7250	9200	11350	13750	16350	19150	4700	6400		
				32	4950	6550	8350	10400	12650	15100	17750				
				38	4300	5750	7400	9300	11400	13650					
43	3750	5100	6650	8400	10300										
OP-MCZC136	114X5022	E	MTZ080	27	6450	8300	10400	12700	15250	17950	20800	5500	7600		
				32	5800	7550	9550	11700	14050	16600	19250				
				38	5050	6700	8500	10500	12650	14950					
43	4450	5950	7650	9500	11500										
OP-MCZC171	114X5023	E	MTZ100	27	7300	9600	12150	14950	18000	21200	24550	6500	8800		
				32	6600	8700	11100	13700	16550	19500	22600				
				38	5700	7650	9850	12200	14750	17450					
43	4950	6750	8750	10950	13250										
OP-MGZC215	114X5073	E	MTZ125	27	9800	12800	16200	19950	24100	28600	33400	8600	11600		
				32	8800	11600	14750	18300	22200	26400	30900				
				38	7600	10150	13050	16300	19900	23800					
43	6650	9000	11700	14700	18000										
OP-MGZC242	114X5074	E	MTZ144	27	11300	14600	18250	22300	26650	31300	36150	9850	13450		
				32	10200	13300	16700	20500	24550	28850	33350				
				38	8900	11700	14850	18300	22000	25900					
43	7800	10400	13300	16450	19850										
OP-MGZC271	114X5075	E	MTZ160	27	12550	16200	20350	24900	29850	35150	40700	10900	15050		
				32	11350	14800	18650	22950	27550	32500	37700				
				38	9900	13100	16650	20550	24750	29300					
43	8700	11650	14950	18550	22450										

Test condition

Ambient temperature
Superheat
Subcooling

SH 10K
32°C
10K
0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature
*preliminary data

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)	Depth 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"	52	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	54	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

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption [W] at evap. temp.	
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
	SH= 10K	OP-MGZD030	114X5061	E	MTZ018	32	1000	1400	1850	2400	2950	3600	4250	1150	1550
						38	850	1200	1650	2100	2650	3200	3800		
						43	750	1100	1450	1900	2350	2900			
		OP-MGZD038	114X5062	E	MTZ022	32	1450	2000	2600	3300	4050	4900	5850	1500	1950
						38	1250	1700	2300	2900	3600	4400	5250		
						43	1050	1500	2000	2600	3250	3950			
		OP-MGZD048	114X5063	E	MTZ028	32	1900	2550	3350	4200	5150	6200	7350	1900	2550
						38	1650	2250	2950	3750	4650	5600	6650		
						43	1400	2000	2650	3400	4200	5100			
		OP-MGZD054	114X5064	E	MTZ032	32	2200	2950	3800	4700	5700	6800	7950	2050	2850
						38	1900	2600	3350	4200	5100	6100	7150		
						43	1650	2300	3000	3750	4600	5500			
		OP-MGZD060	114X5065	E	MTZ036	32	2650	3550	4500	5600	6800	8050	9450	2500	3400
						38	2350	3100	4000	5000	6100	7250	8500		
						43	2050	2750	3600	4500	5500	6550			
		OP-MGZD068	114X5066	E	MTZ040	32	3150	4150	5250	6500	7850	9350	10950	2800	3750
						38	2800	3700	4750	5850	7100	8450	9900		
						43	2500	3350	4300	5300	6450	7700			
		OP-MGZD086	114X5067	E	MTZ050	32	3550	4700	6050	7600	9300	11150	13150	3050	4050
						38	3050	4100	5350	6750	8300	10000	11850		
						43	2650	3650	4750	6050	7500	9100			
		OP-MGZD108	114X5069	E	MTZ064	32	4500	6000	7750	9750	11950	14400	17050	4000	5450
						38	3900	5250	6850	8700	10750	13000	15450		
						43	3400	4650	6150	7850	9750	11800			
OP-MGZD121	114X5070	E	MTZ072	32	5000	6600	8500	10550	12900	15400	18150	4400	6050		
				38	4300	5800	7500	9450	11600	13900	16450				
				43	3750	5150	6700	8500	10500	12700					
OP-MGZD136	114X5071	E	MTZ080	32	6050	7950	10100	12500	15100	18000	21100	5450	7350		
				38	5300	7050	9000	11200	13650	16300	19150				
				43	4650	6300	8100	10150	12400	14900					
OP-MGZD171	114X5072	E	MTZ100	32	6900	9200	11800	14750	17950	21400	25100	6450	8450		
				38	6000	8100	10500	13150	16100	19250	22650				
				43	5250	7200	9400	11850	14550	17450					
OP-MGZD215	114X5118	E	MTZ125	32	9050	11950	15300	19050	23250	27800	32750	8500	11300		
				38	7850	10500	13550	17000	20900	25100	29700				
				43	6850	9300	12150	15350	18950	22850					
OP-MGZD242	114X5119	E	MTZ144	32	10550	13750	17400	21450	25850	30600	35650	9750	13050		
				38	9200	12150	15500	19200	23200	27550	32200				
				43	8050	10800	13900	17300	21000	25050					
OP-MGZD271	114X5120	E	MTZ160	32	11750	15400	19550	24150	29250	34750	40700	10650	14500		
				38	10300	13650	17450	21700	26400	31450	36900				
				43	9050	12200	15700	19650	24000	28700					
						46	8350	11300	14650	18400	22500				

Test condition

Ambient temperature 32°C
 Superheat 10K
 Subcooling 0K

SH 10K
 32°C
 10K
 0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

*preliminary data

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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
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 × 350	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 350	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 350	8	6	555	1000	700	7/8"	1/2"	107	93
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 × 630	14	6	975	1500	870	1"1/8	5/8"	230	212

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption (W) at evap. temp.		
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C	
	SH =10K	OP-MCZC030	114X5024	G	MTZ018	27	1150	1550	2050	2600	3200	3850	4500	1200	1650	
			32	1000		1400	1850	2400	2950	3550						
			38	900		1250	1650	2150								
		114X5012	E		43	800	1150	1500								
		OP-MCZC038	114X5025	G	MTZ022	27	1650	2200	2850	3550	4300	5150	6050	1500	2100	
			32	1450		2000	2550	3250	3950	4750						
		114X5013	E		38	1250	1750	2300	2900							
			43		1100	1550	2050									
		OP-MCZC048	114X5026	G	MTZ028	27	2200	2950	3750	4650	5700	6750	7950	1950	2700	
			32	1950		2650	3400	4300	5250	6300						
		114X5014	E		38	1650	2300	3050	3850							
			43		1450	2100	2800									
		OP-MCZC054	114X5027	G	MTZ032	27	2550	3350	4200	5200	6250	7400	8600	2150	3050	
			32	2250		3000	3850	4750	5750	6850						
		114X5015	E		38	1950	2650	3450	4300							
			43		1750	2400	3150									
		OP-MCZC060	114X5028	G	MTZ036	27	2950	3850	4850	5900	7050	8300	9600	2500	3650	
			32	2650		3500	4450	5450	6550	7750						
		114X5016	E		38	2350	3150	4000	5000							
43	2100		2850													
OP-MCZC068	114X5017	E	MTZ040	27	3450	4450	5550	6750	8050	9450	10900	2900	4150			
	32	3100		4050	5100	6250	7500	8800								
114X5018	E		38	2750	3650	4650	5700									
	43		2500	3350												
OP-MCZC086	114X5018	E	MTZ050	27	3950	5150	6550	8050	9700	11500	13400	3150	4400			
	32	3500		4650	5950	7400	9000	10700								
114X5019	E		38	3050	4150	5350	6700									
	43		2750	3750												
OP-MCZC096	114X5019	E	MTZ056	27	4200	5550	7100	8800	10650	12700	14900	3400	4850			
	32	3750		5000	6450	8100	9900	11850								
114X5020	E		38	3300	4450	5850	7350									
	43		2950	4100												
OP-MCZC108	114X5020	E	MTZ064	27	5100	6700	8500	10500	12750	15200	17800	4500	6250			
	32	4550		6050	7750	9650	11800	14150								
114X5021	E		38	3950	5350	6950	8800									
	43		3550	4850	6400											
OP-MCZC121	114X5021	E	MTZ072	27	5800	7600	9600	11850	14350	17050	19950	4950	6800			
	32	5200		6850	8750	10900	13300	15900								
114X5022	E		38	4550	6100	7900	9900									
	43		4050	5550	7250											
OP-MCZC136	114X5022	E	MTZ080	27	6750	8700	10900	13250	15900	18700	21700	5800	8100			
	32	6100		7950	10000	12300	14800	17500								
114X5023	E		38	5400	7150	9100	11250									
	43		4900	6550												
OP-MCZC171	114X5023	E	MTZ100	27	7600	10000	12700	15600	18750	22100	25600	6900	9000**			
	32	6850		9100	11650	14400	17400									
114X5073	E		38	6050	8150	10550	13100									
	43		5400	7450												
OP-MGZC215	114X5073	E	MTZ125	27	10350	13450	16950	20850	25150	29800	34800	9050	12300			
	32	9200		12150	15450	19150	23250	27700								
114X5074	E		38	8050	10800	13900	17400									
	43		7250	9850	12800											
OP-MGZC242	114X5074	E	MTZ144	27	11900	15300	19100	23250	27800	32650	37800	10350	14350			
	32	10700		13950	17550	21500	25850	30500								
114X5075	E		38	9450	12500	15900	19650									
	43		8550	11450												
OP-MGZC271	114X5075	E	MTZ160	27	13250	17050	21300	26000	31100	36600	42500	11450	16050			
	32	11900		15550	19550	24050	28950	34200								
114X5075	E		38	10550	13950	17750	22000									
	43		9500	12800												

Test condition

Ambient temperature
Superheat
Subcooling

SH 10K
32°C
10K
0K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

*preliminary data

**Power consumption referred at 27°C ambient temperature

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)	Depth 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"	52	45
OP-MCZC038	B4	1750	1.3	1 × 350	3	5	451	500	620	1/2"	3/8"	54	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

Fan	Test conditions	Unit	Version A02	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Power consumption [W] at evap. temp.	
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C	-10°C	+5°C
SH= 10K		OP-MGZD030	114X5061	E	MTZ018	27	1200	1650	2150	2750	3350	4050	4800	1200	1650
						32	1050	1450	1950	2500	3100	3750			
						38	900	1300	1750	2250	2800				
		OP-MGZD038	114X5062	E	MTZ022	27	1750	2350	3000	3800	4650	5600	6600	1550	2100
						32	1550	2100	2700	3450	4250	5150			
						38	1300	1800	2400	3100	3850				
		OP-MGZD048	114X5063	E	MTZ028	27	2300	3000	3900	4850	5900	7050	8250	2000	2700
						32	2000	2700	3500	4400	5400	6500			
						38	1700	2350	3100	3950	4900				
		OP-MGZD054	114X5064	E	MTZ032	27	2600	3450	4350	5350	6500	7700	9000	2200	3050
						32	2300	3100	3950	4900	6000	7150			
						38	2000	2750	3550	4450	5450				
		OP-MGZD060	114X5065	E	MTZ036	27	3100	4100	5150	6350	7700	9100	10600	2650	3600
						32	2800	3700	4700	5850	7100	8450			
						38	2450	3300	4250	5300	6450				
		OP-MGZD068	114X5066	E	MTZ040	27	3700	4800	6000	7400	8900	10550	12300	2950	3950
						32	3300	4350	5500	6800	8250	9800			
						38	2900	3900	5000	6200	7500				
		OP-MGZD086	114X5067	E	MTZ050	27	4200	5500	7000	8700	10600	12600	14800	3250	4300
						32	3700	4950	6350	7950	9750	11650			
						38	3200	4350	5650	7150	8800				
		OP-MGZD108	114X5069	E	MTZ064	27	5300	7000	8950	11100	13550	16250	19150	4200	5750
						32	4750	6300	8150	10200	12500	15100			
						38	4100	5600	7300	9200	11400				
		OP-MGZD121	114X5070	E	MTZ072	27	5900	7700	9750	12050	14600	17350	20350	4650	6450
						32	5250	6950	8900	11050	13500	16150			
						38	4550	6150	8000	10050	12350				
OP-MGZD136	114X5071	E	MTZ080	27	7100	9200	11550	14200	17100	20250	23650	5750	7800		
				32	6350	8350	10550	13050	15800	18850					
				38	5600	7450	9550	11900	14500						
OP-MGZD171	114X5072	E	MTZ100	27	8000	10600	13550	16800	20350	24150	28250	6750	8950		
				32	7200	9600	12350	15400	18750	22400					
				38	6300	8600	11150	14000	17100						
OP-MGZD215	114X5118	E	MTZ125	27	10700	13950	17650	21800	26350	31400	36800	8950	11950		
				32	9500	12550	16000	19950	24300	29100					
				38	8300	11100	14350	18000	22100						
OP-MGZD242	114X5119	E	MTZ144	27	12300	15900	19900	24350	29200	34500	40100	10250	13900		
				32	11050	14450	18250	22450	27100	32100					
				38	9750	12900	16450	20400	24800						
OP-MGZD271	114X5120	E	MTZ160	27	13800	17850	22400	27450	33050	39100	45600	11200	15350		
				32	12350	16150	20500	25300	30600	36350					
				38	10900	14450	18500	23000	28000						
						43	9850	13250	17050						

Test condition

Ambient temperature 32°C
 Superheat 10K
 Subcooling OK

SH 10K

Electrical code

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

Version

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

Power consumption referred at 32°C ambient temperature

*preliminary data

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)	Depth D (mm)	Suction line	Liquid line	Gross	Net
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 × 350	8	6	555	1000	700	5/8"	1/2"	88	75
OP-MGZD068	H3	3600	4.7	2 × 350	8	6	555	1000	700	5/8"	1/2"	96	82
OP-MGZD086	H3	3600	4.7	2 × 350	8	6	555	1000	700	7/8"	1/2"	107	93
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 × 630	14	6	975	1500	870	1"1/8	5/8"	230	212

Electrical characteristics - 230V/1phase/50 Hz

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		18.6		0.39
OP-LCHC018		20		0.39
OP-LCHC021		23.4		0.39
OP-LCHC026		25.7		0.75
OP-LCHC034		40		0.75
OP-LCHC048	6002113P02	37	11	0.32
OP-LCHC068	6002113P02	53	17	0.73

Electrical characteristics - 400V/3phase/50 Hz

Unit	Wiring diagram	LRA compressor (A) 400 V/ 3phase	MCC compressor (A) 400 V/ 3phase	MCC Fan (A) 230 V/ 1 phase
OP-LCHC048	6002113P06	16	4.8	0.32
OP-LCHC068	6002113P06	25	8.4	0.73
OP-LCHC096	6002113P06	32	10.1	0.73
OP-LCHC108	6002113P06	45	12.1	0.73
OP-LCHC136	6002113P06	51	14.3	0.73
OP-LCHC215	6002113P06	74	22.3	3.0
OP-LCHC271	6002113P06	96	27	3.0
OP-LGHC048	6002113P16	16	4.8	2x0.32
OP-LGHC068	6002113P06	25	8.4	2x0.32
OP-LGHC096	6002113P06	32	10.1	2x0.32
OP-LGHC108	6002113P06	45	12.1	2x0.73
OP-LGHC136	6002113P06	51	14.3	2x0.73
OP-LGHC215	6002113P06	74	22.3	2x2.1
OP-LGHC271	6002113P06	96	27	2x2.1

Spare parts

Unit	Condenser	Receiver	Rotolock valve		Fan motor 230Volts	Weatherproof housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			Suction	Discharge						
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-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		DML/DCL 053	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LCHC068	118U8002	8168180	7968014	7968013	8176045		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC096	118U8003	8168180	7968017	7968014	8176045		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC108	118U8004	8168180	7968017	7968014	8176047		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LCHC136	118U8006	8168181	7968017	7968014	8176047		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 6
OP-LCHC215	118U8008	8168183	7968018	7968015	118U8023		DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LCHC271	118U8010	8168183	7968018	7968015	118U8023		DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LGHC048	8174036	8168179	7968014	7968012	8176018		DML/DCL 053	SGN 10	KP 1/KP 7/KP 17	EVR 3
OP-LGHC068	8174037	8168180	7968014	7968013	8176043		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC096	8174038	8168180	7968017	7968014	8176043		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC108	8174041	8168181	7968017	7968014	8176045		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC136	8174041	8168181	7968017	7968014	8176045		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 6
OP-LGHC215	8174044	8168183	7968018	7968015	8176070		DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LGHC271	8174044	8168183	7968018	7968015	8176070		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/50Hz

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	0.32
OP-MCZC038	6002113P02	41	15	0.73
OP-MCZC048	6002113P02	51	20	0.73
OP-MCZC054	6002113P02	70	20	0.73
OP-MCZC060	6002113P02	60	22	0.73

Electrical characteristics - 400V/3phase/50Hz

Unit	Wiring diagram	LRA compressor (A) 400 V/ 3phase	MCC compressor (A) 400 V/ 3phase	MCC Fan (A) 230 V/ 1 phase
OP-MCZC030	6002113P06	20	5	0.85
OP-MCZC038	6002113P06	16	6	1.2
OP-MCZC048	6002113P06	23	7.5	1.2
OP-MCZC054	6002113P06	25	8	1.2
OP-MCZC060	6002113P06	30	9	1.2
OP-MCZC068	6002113P06	38	10	1.3
OP-MCZC086	6002113P06	48.5	11.5	1.3
OP-MCZC096	6002113P06	64	12	1.3
OP-MCZC108	6002113P06	64	14	3.4
OP-MCZC121	6002113P06	80	17	3.4
OP-MCZC136	6002113P06	80	19	3.4
OP-MCZC171	6002113P06	90	22	3.4
OP-MGZC215	6002113P06	105	27	2 x 3.0
OP-MGZC242	6002113P06	130	36	2 x 3.0
OP-MGZC271	6002113P06	130	36	2 x 3.0
OP-MGZD030	6002113P16	20	5	2x0.32
OP-MGZD038	6002113P06	16	6	2x0.32
OP-MGZD048	6002113P06	23	7.5	2x0.32
OP-MGZD054	6002113P06	25	8	2x0.32
OP-MGZD060	6002113P06	30	9	2x0.73
OP-MGZD068	6002113P06	38	10	2x0.73
OP-MGZD086	6002113P06	48.5	11.5	2x0.73
OP-MGZD108	6002113P06	64	14	2x0.73
OP-MGZD121	6002113P06	80	17	2x0.73
OP-MGZD136	6002113P06	80	19	2x2.1
OP-MGZD171	6002113P06	90	22	2x2.1
OP-MGZD215	6002113P06	105	27	2x3.0
OP-MGZD242	6002113P06	130	36	2x3.0
OP-MGZD271	6002113P06	130	36	2x2.12

Spare parts

Unit	Condenser	Receiver	Rotolock valve		Fan motor 230Volts	Watherproof housing	Filter drier type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			Suction	Discharge						
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	118U4621	DML/DCL 052	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC030	118U8000	8168179	7968013	7968012	8176043		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC038	118U8001	8168179	7968013	7968012	8176045		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MCZC048	118U8002	8168180	7968013	7968013	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC054	118U8002	8168180	7968014	7968013	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC060	118U8003	8168180	7968014	7968013	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC068	118U8004	8168180	7968014	7968013	8176047		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC086	118U8005	8168181	7968017	7968014	8176047		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC096	118U8006	8168181	7968017	7968014	8176047		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC108	118U8007	8168181	7968017	7968014	118U8023		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC121	118U8008	8168182	7968018	7968015	118U8023		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC136	118U8010	8168182	7968018	7968015	118U8023		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MCZC171	118U8010	8168183	7968018	7968015	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC215	118U8012	8168183	7968018	7968016	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC242	118U8012	8168183	7968018	7968016	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC271	118U8012	8168183	7968018	7968016	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD030	8174036	8168179	7968013	7968012	8176018		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD038	8174037	8168180	7968013	7968013	8176043		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD048	8174038	8168180	7968013	7968013	8176043		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD054	8174038	8168180	7968014	7968013	8176043		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD060	8174041	8168181	7968014	7968013	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD068	8174041	8168181	7968014	7968013	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD086	8174041	8168181	7968017	7968014	8176045		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD108	8174042	8168182	7968017	7968014	8176047		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD121	8174042	8168182	7968017	7968014	8176047		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD136	8174044	8168182	7968018	7968015	8176070		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD171	8174045	8168183	7968018	7968015	8176070		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD215	118U8012	8168183	7968018	7968016	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD242	118U8012	8168183	7968018	7968016	118U8023		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD271	118U0375*	8168183	7968018	7968016	118U0373*		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6

Note

LRA (Locked Rotor Amps)

MCC (Maximum Continuous Current)

*For units with serial number up to 2915092004 produced before the 10th week of 2015 please use:

Fan motor - 8176098 (Ø600mm)

Condenser - 8174048 (for fans Ø600mm)

Electrical characteristics - 230V/1phase/50Hz

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-MCGC006	9.2	0.19
OP-UCGC007	8.1	0.19
OP-UCGC008	8.2	0.19
OP-MCGC007	11.3	0.19
OP-UCGC010 (FR)	10	0.19
OP-MCGC008	11.7	0.19
OP-UCGC010 (SC)	11.1	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
O P-MCGC021	23.6	0.39
OP-UCGC026	20.2	0.75
OP-UCGC034	25.7	0.75

Spare parts

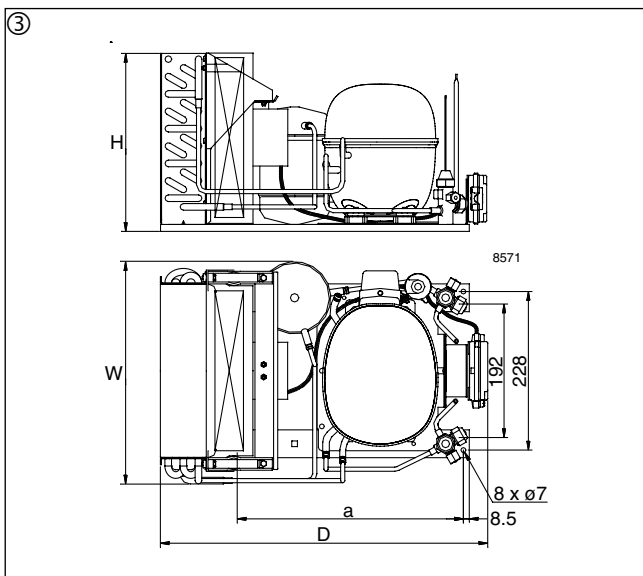
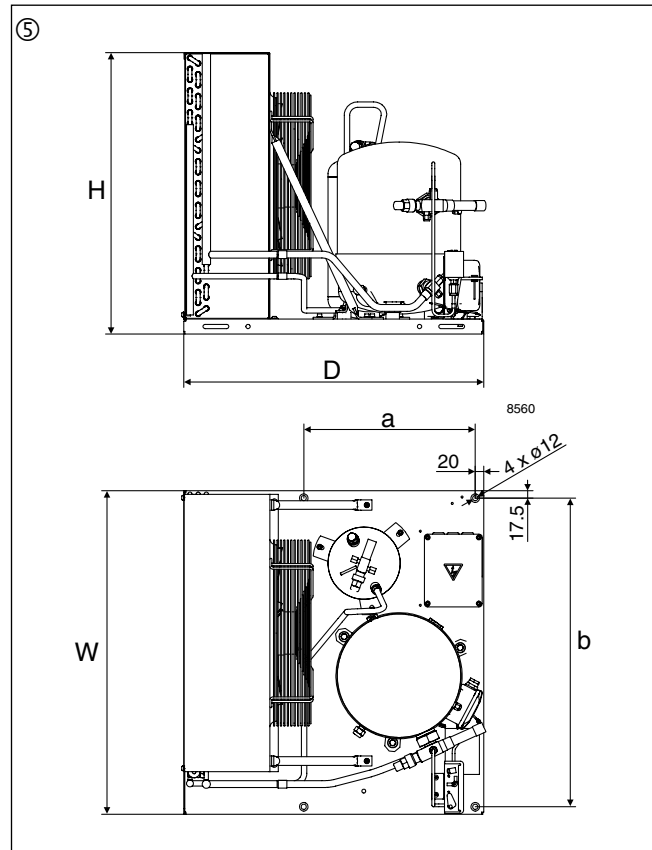
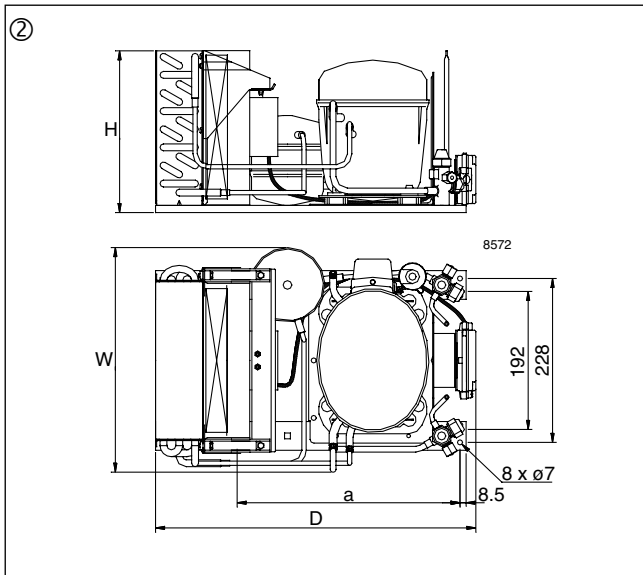
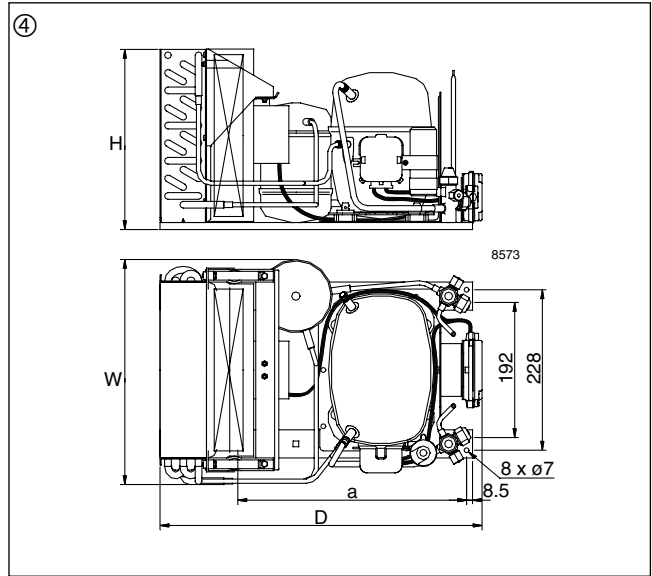
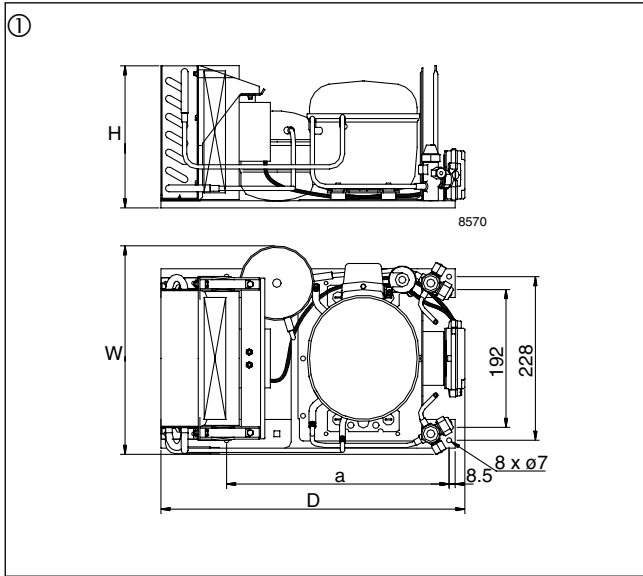
Unit	Condenser	Receiver	Fan motor	Weatherproof housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			230Volts					
OP-UCGC003	118U0028	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC004	118U0028	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC005	118U0028	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC006	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-MCGC006	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC007	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC008	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-MCGC007	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC010 (FR)	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-MCGC008	118U0030	118U0523	118U0033	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC010 (SC)	118U0029	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC011	118U0030	118U0523	118U0033	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC012	118U0030	118U0523	118U0033	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC015	118U0031	118U0523	118U0033	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC018	118U0031	118U0523	118U0033	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
O P-UCGC021	118U0031	118U0523	118U0033	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-MCGC021	118U0031	118U0523	118U0033	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC026	118U0069	118U0078	118U0058	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3
OP-UCGC034	118U0069	118U0078	118U0058	118U4620	DML/DCL052	SGN6	KP1/KP5/KP17	EVR3

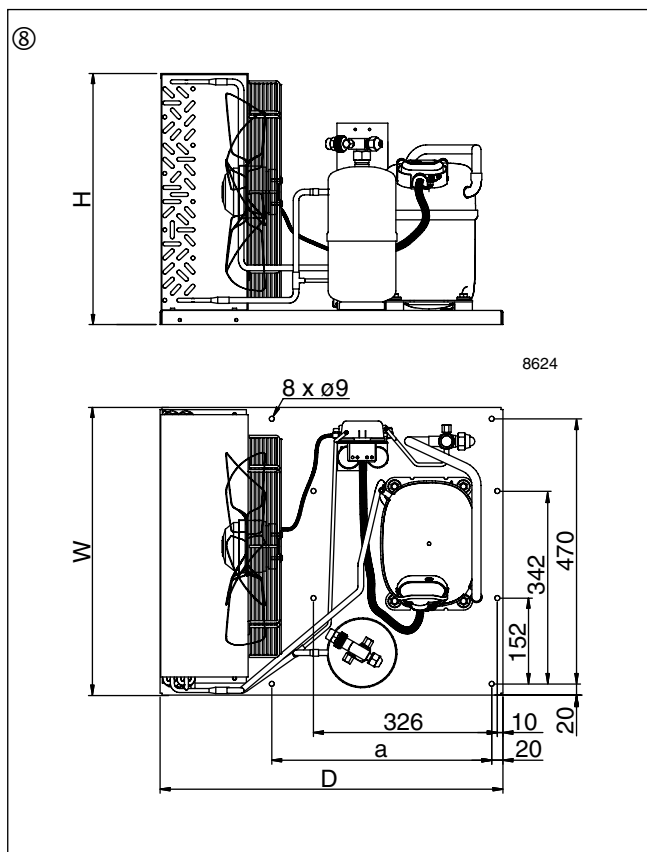
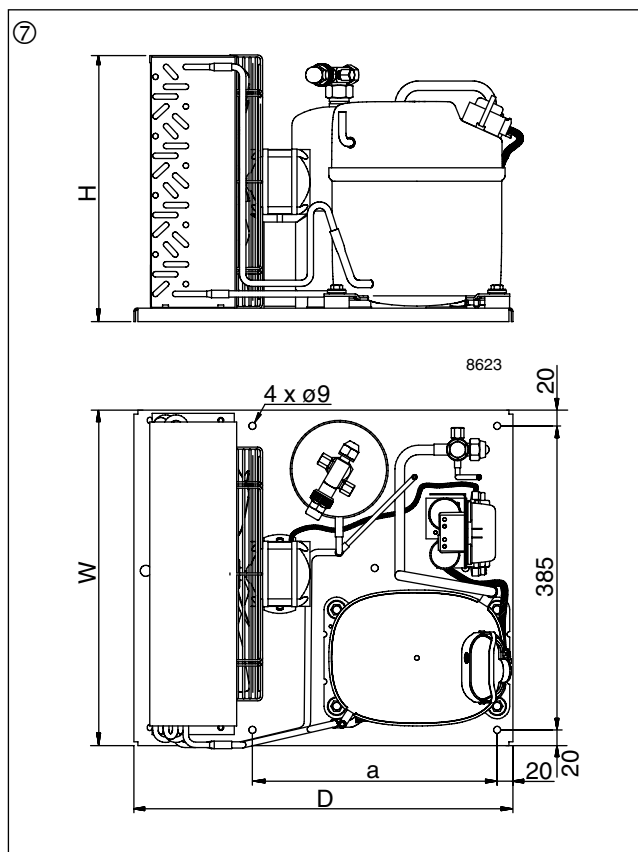
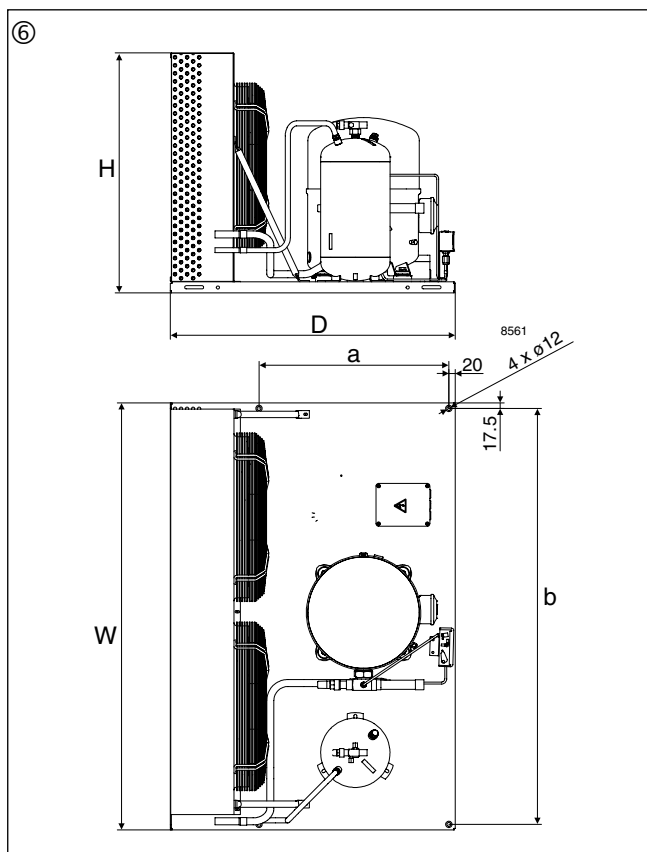
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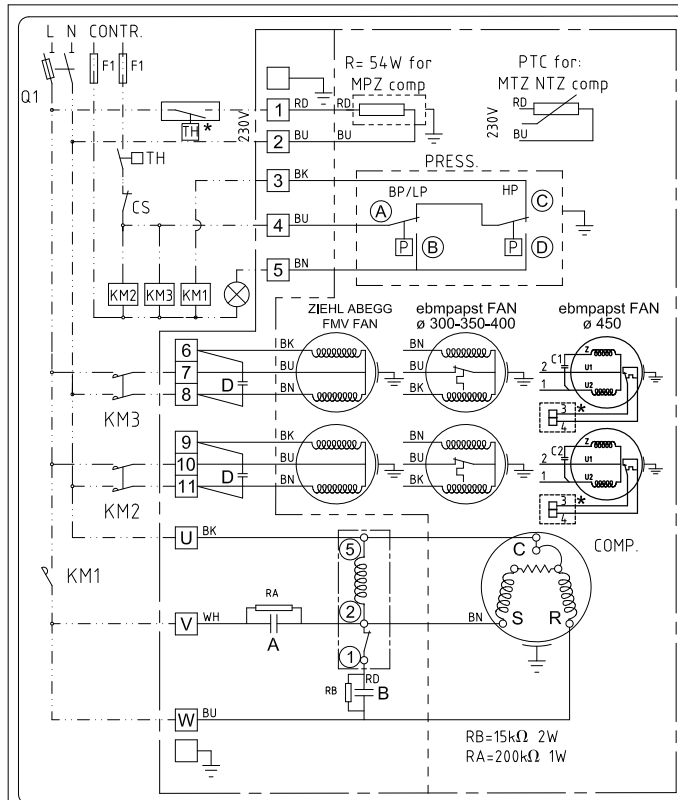
LRA (Locked Rotor Amps)

MCC (Maximum Continuous Current)

R134a







BK: NOIR-BLACK BU: BLEU-BLUE
 BN: MARRON-BROWN WH: BLANC-WHITE
 RD: ROUGE-RED GY: GRIS-GREY
 One or two fans for Danfoss condensing units

* OPTION
 PROTECTEUR THERMIQUE SI DISPONIBLE
 OVERLOAD PROTECTOR IF AVAILABLE

COMPRESSOR MODEL	DISPLACEMENT cm ³	50 Hz	
		A μF/450VAC	B μF/450VAC
MPZ038	038	40	100
MPZ048	048	40	100
MPZ054	054	40	100
MPZ061	061	45	100
MPZ068	086	45	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	40	100
MPZ048	048	40	100
MPZ054	054	40	100
MPZ061	061	45	100
MPZ068	086	45	100
NTZ048	048	25	100
NTZ068	068	50	135

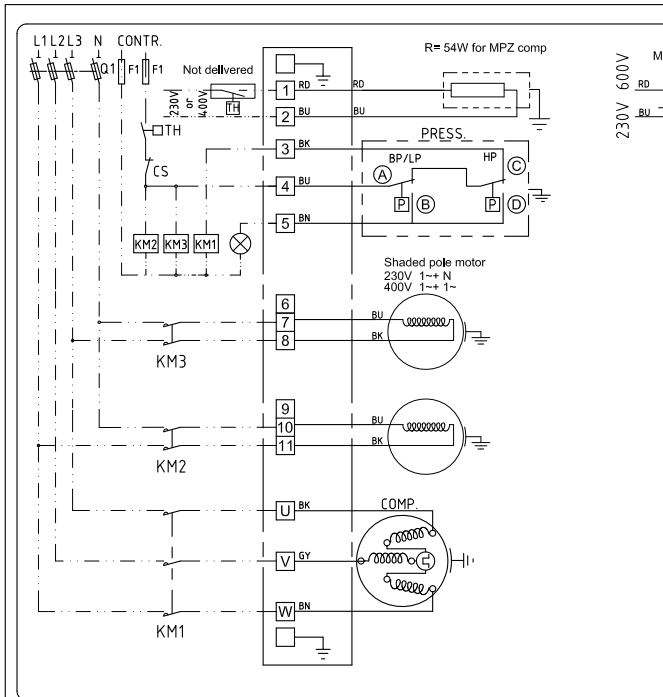
MT-MTZ18	030	25	100
MT-MTZ22	038	45	100
MT-MTZ28	048	50	135
MT-MTZ32	054	45	100
MT-MTZ36	061	45	100
MT-MTZ40	086	55	100
MT-MTZ50	086	45	135
MT-MTZ56	096	55	200
MT-MTZ64	108	55	235

FAN DIAMETER	D (Capacitor Fan)			
	ZIEHL 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	4
400	5	5	6	6
450	12	12	X	X

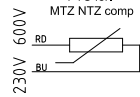
C1/C2 (Capacitor fan)	
450	x x 10 10

One or two fans for Danfoss condensing units

6002113P02-Y

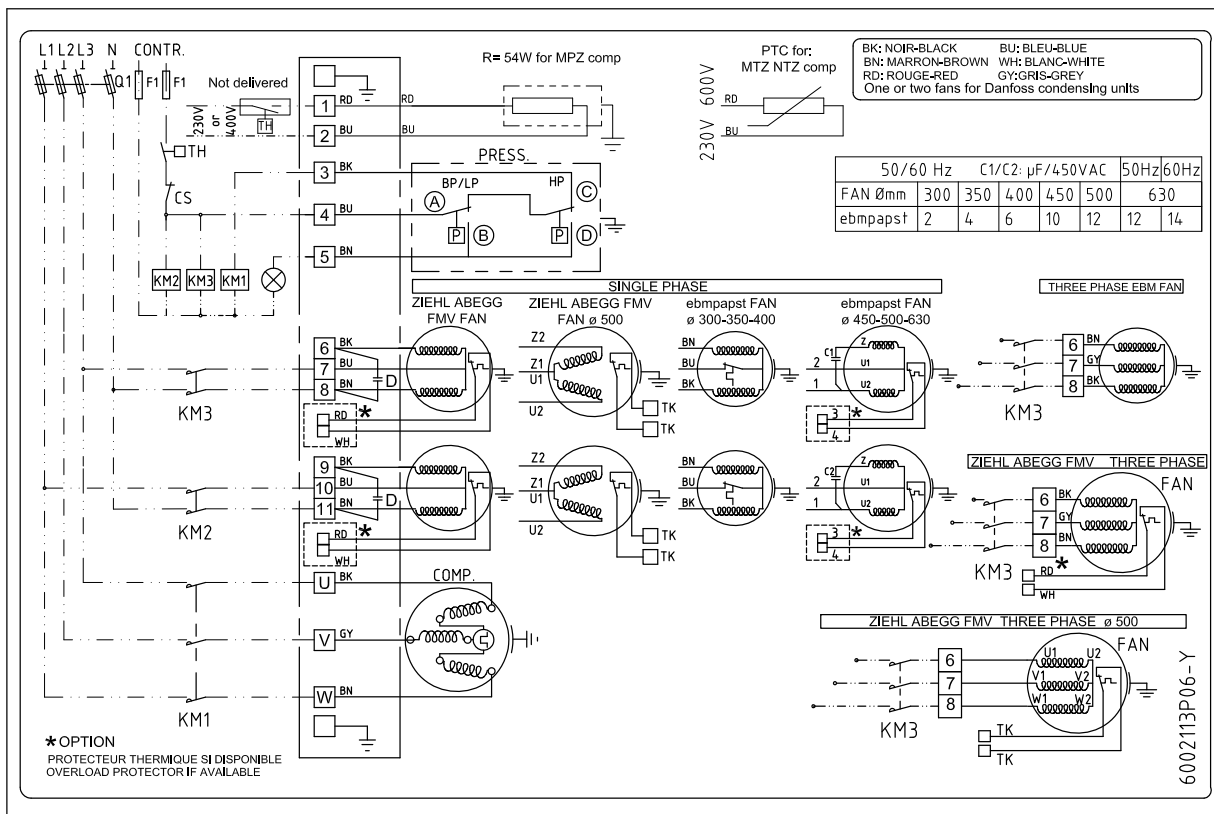


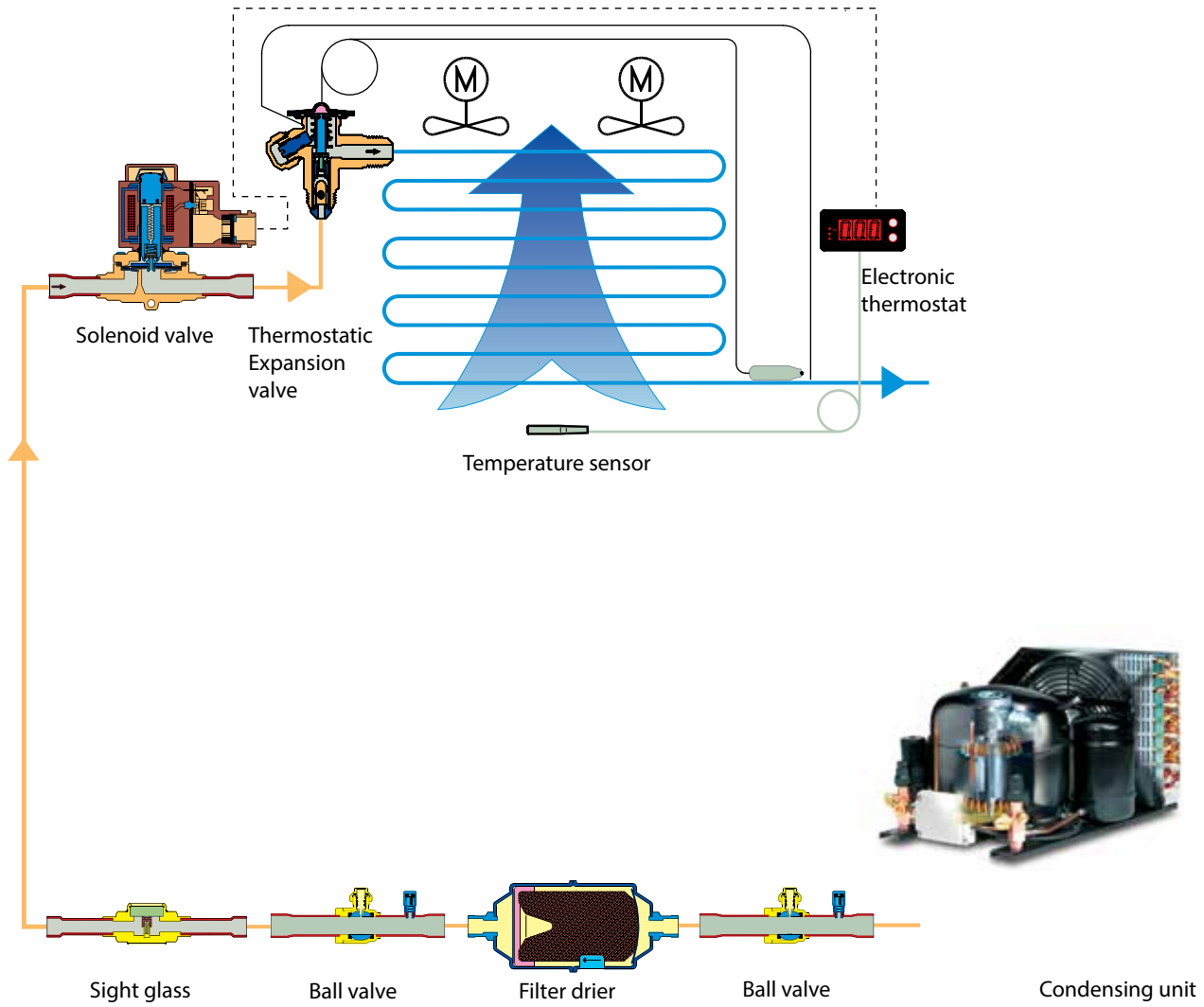
BK: NOIR-BLACK BU: BLEU-BLUE
 BN: MARRON-BROWN WH: BLANC-WHITE
 RD: ROUGE-RED GY: GRIS-GREY
 One or two fans for Danfoss condensing units



One or two fans for Danfoss condensing units

6002113P16-A

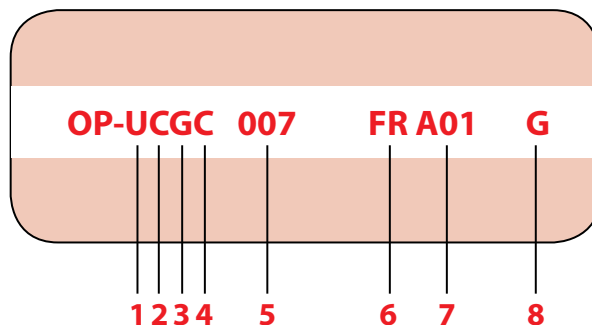




Designation system for the Optyma™ standard programme

(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= TL FR= FR NL= NL SC= SC GS= GS NT= NTZ MT= MTZ
3	G = R134a H = R404A/R507 Z = R404A/R134a/R507/R407C/R407A/R407F	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 (KP-17WB), flexible hoses and electrical box A04 = A01 + KP17WB + FSA-kit + power cord
4	C = Standard D = With oversized condenser (for higher ambient temperature and / or higher efficiency)	8	A: Compressor 230 V/1~/50+60 Hz, fan 230 V/1~/50+60 Hz G: Compressor 230 V/1~/50 Hz, fan 230 V/1~/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 hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spread across three continents.



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.

<http://cc.danfoss.com>

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