MAKING MODERN LIVING POSSIBLE

Catalogue

Optyma™ condensing unit

Scroll and reciprocating compressors

For R404A/R507, R134a and R407C

www.danfoss.com

OPTYMA™

DANFOSS CONDENSING UNITS

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. 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

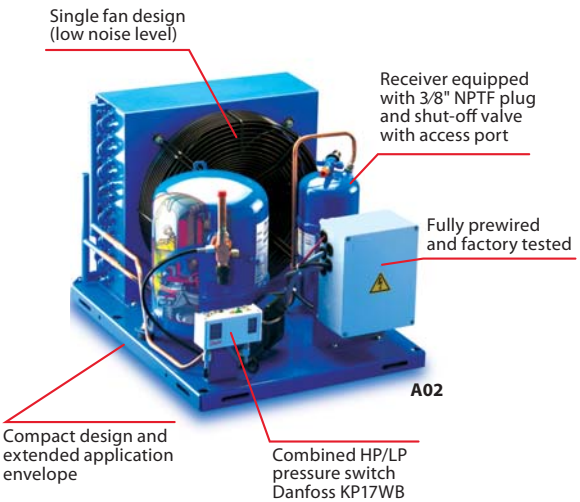
We at Danfoss do not accept any concessions regarding quality & reliability for our products. With Optyma™ we provide 100% factory tested units to our customers with a premium quality.

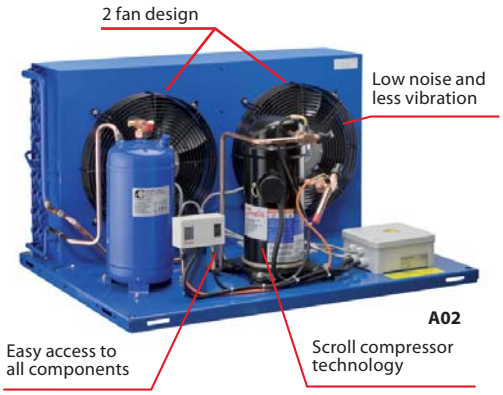
Increase business opportunity with complete range of condensing units

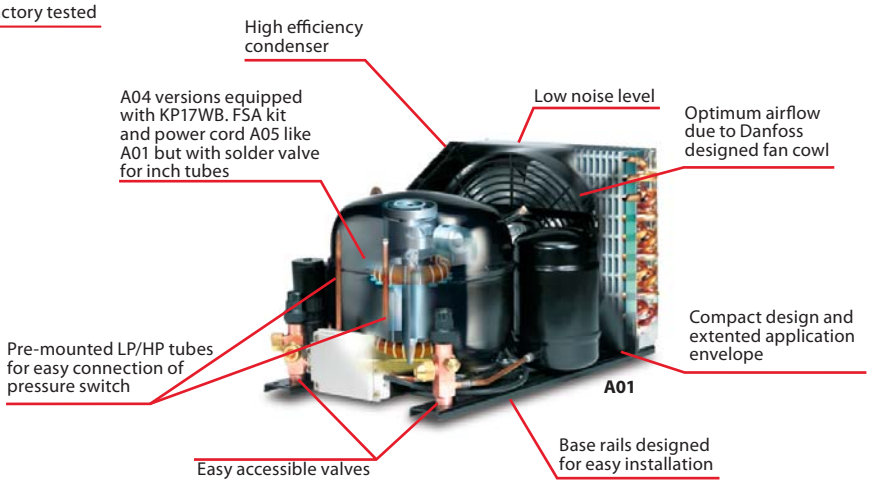
With Danfoss Optyma™ cooling capacity almost has no limits. Thanks to wide range of condensing units for LBP, MBP and HBP applications and thanks to a rial multi refrigerant solution, Danfoss Optyma™ condensing unit meets all your needs in refrigeration applications.

Environmental friendly

Danfoss Optyma™ condensing units meet Energy Related Product (ErP) directive.



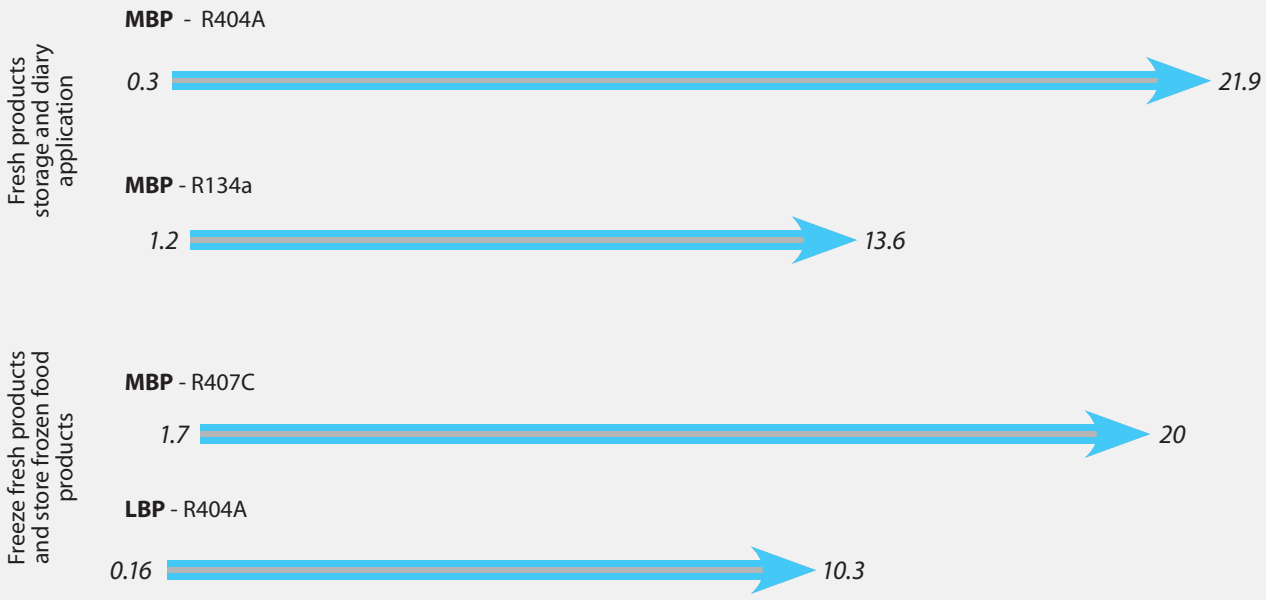




Main product features

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

Capacity range (kW)



Conditions:

	LBP	MBP
• Ambient temperature:	32°C	32°C
• Evaporating temperature:	-25°C	-10°C

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 R134a	-15°C to +15°C
MBP R407C	-15°C to +10°C

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

	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	
							43								
		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			
							43								
		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
			A01	114X1305			32	170	230	310	400	500	620	760	
			A04	114X1307			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	670	
		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	880	
		OP-LCHC012	A00	114X1444	G	SC12CLX.2	27	270	370	480	620	790	970	1190	530
			A01	114X1445			32	230	320	430	560	720	890	1100	
			A04	114X1447			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-LCHC015	A00	114X1552	G	SC15CLX.2	27	330	450	590	760	960	1190	1450	610
			A01	114X1553			32	280	390	530	690	870	1090	1340	
			A04	114X1555			38	230	330	450	600	770	970	1200	
							43		280	390	530	680	870	1080	
		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-LCHC018	A00	114X1560	G	SC18CLX.2	27	400	550	720	930	1170	1460	1780	730
			A01	114X1561			32	340	480	650	840	1070	1330	1640	
			A04	114X1563			38	280	400	560	740	940	1190	1460	
							43		340	480	640	840	1060	1320	
		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	
	RGT20	OP-LCHC026	A00	114X1672	G	GS26CLX	27	550	770	1030	1340	1700	2120	2600	980
			A01	114X1673			32	470	670	910	1200	1530	1920	2360	
			A04	114X1675			38	370	560	780	1030	1330	1680	2080	
							43	300	470	660	900	1170	1490	1850	
		OP-LCHC034	A00	114X1780	G	GS34CLX	27	800	1080	1430	1830	2310	2860	3490	1300
			A01	114X1781			32	700	970	1290	1670	2110	2630	3220	
			A04	114X1783			38	580	830	1120	1470	1870	2350	2890	
							43	480	710	980	1300	1670	2110	2610	

Test condition

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

Electrical code
G: compressor 220 V/1 phase/50 Hz, fan 220 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
Subcooling within the limits of the condensing unit

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-LCHC004	BG2	231	0.25	1x200	0.8	1	226	304	446	1/4"	1/4"	16	14
OP-LCHC006	BG2	231	0.25	1x200	0.8	2	226	304	446	3/8"	1/4"	22	17
OP-LCHC008	BG3	518	0.31	1x230	1.1	2	256	321	458	3/8"	1/4"	23	18
OP-LCHC007	BG3	518	0.31	1x230	1.1	3	256	321	458	3/8"	1/4"	23	18
OP-LCHC008	BG3	518	0.31	1x230	1.1	3	256	321	458	3/8"	1/4"	23	18
OP-LCHC010	BG3	518	0.31	1x230	1.1	4	256	321	458	3/8"	1/4"	23	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"	25	22
OP-LCHC015	BG5	583	0.53	1x254	1.1	4	296	331	465	3/8"	1/4"	26	23
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-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	BG6	990	0.64	1x300	2.4	7	340	430	480	1/2"	3/8"	48	42

	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
						32	650	900	1250	1600	2000	2400	2800	
			114X5037	E		38	500	750	1050	1350	1700	2050	2450	
						43	400	650	900	1150	1450			
		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	
						43	850	1200	1600	2050	2600			
		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	
						43	850	1250	1750	2350	3000			
		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	
						43	1050	1600	2200	2850	3600			
		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	
						43	1450	2100	2850	3650	4600			
		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	
						43	2000	3050	4200	5450	6850			
		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	
						43	3100	4400	5800	7400	9100			
		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	
						43	400	650	950	1250	1550			
		OP-LGHC068	114X5083	D	NTZ068	27	1350	1800	2350	2950	3650	4350	5100	2550
						32	1150	1600	2100	2650	3250	3900	4600	
			114X5090	E		38	950	1350	1800	2300	2850	3450	4050	
						43	800	1150	1550	2000	2500			
		OP-LGHC096	114X5084	D	NTZ096	27	1550	2150	2850	3650	4600	5650	6750	3050
						32	1350	1850	2500	3250	4100	5050	6100	
			114X5091	E		38	1050	1550	2100	2750	3500	4350	5300	
						43	850	1250	1750	2350	3050			
		OP-LGHC108	114X5085	D	NTZ108	27	1900	2650	3500	4500	5650	6850	8100	3700
						32	1650	2350	3100	4050	5050	6150	7300	
			114X5092	E		38	1350	1950	2650	3450	4350	5300	6350	
						43	1050	1600	2250	3000	3800			
		OP-LGHC136	114X5086	D	NTZ136	27	2550	3400	4500	5700	7100	8600	10250	4800
						32	2200	3000	4000	5100	6400	7800	9300	
			114X5093	E		38	1800	2550	3400	4400	5550	6800	8150	
						43	1500	2150	2950	3850	4850			
		OP-LGHC215	114X5087	D	NTZ215	27	3950	5400	7100	9050	11250	13700	16350	7450
						32	3400	4750	6350	8150	10150	12400	14850	
			114X5094	E		38	2750	3950	5400	7000	8800	10800	13000	
						43	2150	3250	4550	6000	7650			
		OP-LGHC271	114X5088	D	NTZ271	27	5250	7050	9150	11500	14100	16850	19800	9400
						32	4600	6250	8200	10350	12700	15250	17900	
			114X5095	E		38	3850	5350	7050	8950	11000	13250	15600	
						43	3200	4550	6050	7750	9600			

Test condition
EN13215 **SH 10K**
Ambient temperature 32°C
Subcooling within the limits of the condensing unit

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

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-LCHC048	A4	1.200	1.2	1×300	3	5	402	500	600	5⁄8″	3⁄8″	54	45
OP-LCHC068	C4	2.150	2.3	1×350	6	5	555	630	650	5⁄8″	1⁄2″	64	57
OP-LCHC096	D4	2.000	3.1	1×350	6	5	555	630	650	7⁄8″	1⁄2″	78	71
OP-LCHC108	E4	3.150	2.5	1×400	6	5	605	630	650	7⁄8″	1⁄2″	92	80
OP-LCHC136	G4	3.150	4.1	1×400	8	5	656	755	700	7⁄8″	1⁄2″	95	83
OP-LCHC215	J4	6.000	4.4	1×500	14	5	708	900	900	1-1⁄8″	5⁄8″	151	136
OP-LCHC271	L4	5.850	6.3	1×500	14	5	759	900	900	1-1⁄8″	5⁄8″	166	151
OP-LGHC048	C3	1.450	1.6	2×254	3	6	392	700	500	5⁄8″	3⁄8″	55	45
OP-LGHC068	D3	2.800	1.5	2×300	6	6	442	800	600	5⁄8″	1⁄2″	62	55
OP-LGHC096	E3	2.100	2.2	2×300	6	6	442	800	600	7⁄8″	1⁄2″	78	71
OP-LGHC108	G3	4.600	2.3	2×355	8	6	555	1000	700	7⁄8″	1⁄2″	102	89
OP-LGHC136	H3	3.600	4.7	2×355	8	6	555	1000	700	7⁄8″	1⁄2″	107	94
OP-LGHC215	L3	9.000	5.1	2×450	14	6	671	1200	800	1-1⁄8″	5⁄8″	152	138
OP-LGHC271	L3	8600	5.1	2×450	14	6	671	1200	800	1-1⁄8″	5⁄8″	158	144

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	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			
							43									
		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			
							43		430	540	670	810	970			
		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			
							43		700	870	1080	1310	1570			
		OP-MCHC015	A00	114X2648	G	SC15MLX	27	980	1220	1510	1840	2220	2650		840	1030
			A01	114X2649			32	890	1120	1380	1690	2040	2450			
			A04	114X2651			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			
							43		1030	1280	1570	1910	2300			
		OP-MCHC021	A00	114X2764	G	GS21MLX	27	1370	1730	2160	2670	3260	3950		1030	1260
			A01	114X2765			32	1230	1560	1960	2420	2960	3590			
			A04	114X2767			38	1080	1370	1720	2130	2610	3170			
							43	950	1220	1530	1900	2330	2820			
		OP-MCHC026	A00	114X2772	G	GS26MLX	27	1760	2220	2750	3360	4060	4870		1270	1570
			A01	114X2773			32	1600	2020	2510	3080	3730	4470			
			A04	114X2775			38	1400	1790	2230	2740	3320	3990			
							43	1240	1600	2000	2460	2990	3590			
		OP-MCHC034	A00	114X2880	G	GS34MLX	27	2360	2920	3560	4300	5140	6090		1830	2320
			A01	114X2881			32	2160	2680	3280	3970	4750	5640			
			A04	114X2883			38	1900	2380	2930	3550	4250	5060			
							43	1690	2130	2620	3180	3820	4550			
	SH =10K	OP-MCZC030	A02	114X5024	G	MTZ018	27	1300	1700	2200	2700	3250	3850	4450	1350	1750
				114X5012	E		32	1150	1550	2000	2450	2950	3500	4050		
							38	1000	1350	1700	2150	2600	3050	3550		
							43	850	1150	1500	1900	2300				
		OP-MCZC038		114X5025	G	MTZ022	27	1850	2400	3000	3700	4400	5150	5950	1700	2250
				114X5013	E		32	1650	2150	2700	3300	4000	4650	5400		
							38	1400	1850	2350	2900	3450	4100	4750		
							43	1200	1600	2050	2550	3050				
		OP-MCZC048		114X5026	G	MTZ028	27	2500	3250	4050	4900	5850	6850	7900	2150	2850
				114X5014	E		32	2250	2900	3650	4450	5300	6250	7200		
							38	1900	2500	3150	3900	4700	5500	6400		
							43	1650	2150	2800	3450	4150				
		OP-MCZC054		114X5027	G	MTZ032	27	2900	3650	4500	5400	6350	7400	8450	2350	3200
				114X5015	E		32	2600	3300	4050	4900	5800	6700	7700		
							38	2200	2850	3550	4300	5100	5900	6800		
							43	1900	2500	3100	3800	4500				
		OP-MCZC060		114X5028	G	MTZ036	27	3350	4200	5150	6150	7200	8300	9400	2800	3800
				114X5016	E		32	3050	3800	4650	5600	6550	7550	8550		
							38	2650	3350	4100	4900	5750	6600	7500		
							43	2300	2950	3600	4350	5100				
		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		
							43	2750	3450	4200	5000	5850				
		OP-MCZC086		114X5029	G	MTZ050	27	4450	5650	6950	8350	9850	11450	13100	3500	4600
				114X5018	E		32	4000	5050	6250	7550	8950	10400	11900		
							38	3450	4400	5450	6600	7850	9150	10550		
							43	3000	3850	4800	5850	6950				
		OP-MCZC096		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		
							43	3250	4200	5300	6500	7800				
		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		
							43	3900	5050	6300	7750	9300				
		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		
							43	4500	5800	7250	8850	10600				
		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		
							43	5350	6750	8250	9950	11700				
		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		
							43	5900	7600	9450	11400	13500				

Test condition

EN13215	**CECOMAF**	**SH 10K**
Ambient temperature	32°C	32°C
Suction temperature	32°C	

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

Electrical code
G: Compressor 220 V/1 phase/50 Hz, fan 220 V/1 phase/50 Hz
E: Compressor 400 V/3 phase/50 Hz, fan 230 V/1 phase/50 Hz
A: Compressor 220 V/1 phase/50+60 Hz, fan 220 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
A02: With receiver, stop valve, universal pressure switch, (KP17WB), flexible hoses and electrical box
A04: A01 + KP17WB + FSA-kit + power cord (except LCHC034)

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-MCHC004	BG2	231	0.25	1X200	0.8	1	226	304	446	3/8"	1/4"	16	14
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"	24	22
OP-MCHC010	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	25	23
OP-MCHC012	BG5	583	0.53	1X254	1.1	4	296	331	478	3/8"	1/4"	25	23
OP-MCHC015	BG6	1132	1.1	1X300	1.1	4	350	442	610	1/2"	1/4"	35	28
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"	39	33
OP-MCHC026	BG7	990	0.84	1X300	1.6	7	340	430	480	5/8"	3/8"	50	44
OP-MCHC034	BG8	2300	1.36	1X350	2.4	8	450	500	600	5/8"	3/8"	51	43
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

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
		OP-MGZC215	114X5058	D	MTZ125	27	11750	14750	18100	21800	25800	30050	34500	11450	14400
						32	10550	13300	16400	19800	23500	27400	31550		
			114X5073	E		38	9150	11600	14350	17450	20750	24300	28100		
						43	8000	10250	12750	15500	18500				
		OP-MGZC242	114X5059	D	MTZ144	27	13550	16750	20350	24200	28250	32550	36950	12950	16450
						32	12200	15150	18450	21950	25700	29650	33700		
			114X5074	E		38	10600	13250	16200	19300	22650	26200	29850		
						43	9300	11700	14300	17150	20150				
		OP- MGZC271	114X5060	D	MTZ160	27	15050	18700	22750	27150	31800	36750	41800	14200	18300
						32	13600	16950	20700	24700	29050	33550	38250		
			114X5075	E		38	11850	14900	18200	21800	25700	29750	34000		
						43	10450	13150	16150	19400	22900				
		OP-MGZD030	114X5076	G	MTZ018	32	1200	1600	2100	2600	3150	3750	4350	1500	1850
			114X5046	D		38	1050	1400	1800	2250	2750	3300	3850		
			114X5061	E		43	900	1200	1600	2000	2450				
						46	800	1100	1450	1850	2250				
		OP-MGZD038	114X5077	G	MTZ022	32	1750	2300	2900	3600	4350	5150	6050	1950	2450
			114X5047	D		38	1500	1950	2500	3150	3800	4550	5350		
			114X5062	E		43	1300	1700	2200	2750	3350				
						46	1150	1550	2000	2550	3100				
		OP-MGZD048	114X5078	G	MTZ028	32	2300	2950	3750	4600	5550	6550	7600	2450	3100
			114X5048	D		38	1950	2550	3250	4050	4900	5800	6750		
			114X5063	E		43	1650	2250	2900	3600	4350				
						46	1500	2050	2650	3300	4050				
		OP-MGZD054	114X5079	G	MTZ032	32	2650	3400	4200	5100	6050	7100	8150	2650	3450
			114X5049	D		38	2300	2950	3650	4450	5350	6250	7200		
			114X5064	E		43	2000	2550	3250	3950	4750				
						46	1800	2350	2950	3650	4400				
		OP-MGZD060	114X5080	G	MTZ036	32	3200	4100	5050	6100	7250	8450	9700	3300	4200
			114X5050	D		38	2800	3600	4450	5400	6400	7500	8600		
			114X5065	E		43	2450	3150	3950	4800	5700				
						46	2250	2900	3650	4450	5300				
		OP-MGZD068	114X5051	D	MTZ040	32	3800	4800	5950	7150	8500	9900	11450	3650	4550
						38	3350	4250	5250	6350	7550	8850	10200		
			114X5066	E		43	2950	3800	4700	5650	6750				
						46	2700	3500	4350	5250	6250				
	SH= 10K	OP-MGZD086	114X5081	G	MTZ050	32	4250	5450	6800	8300	9900	11700	13550	3950	4950
			114X5052	D		38	3650	4700	5950	7300	8750	10350	12050		
			114X5067	E		43	3200	4150	5250	6450	7800				
						46	2900	3800	4850	5950	7200				
		OP-MGZD096	114X5053	D	MTZ056	27	4400	5700	7150	8750	10450	12350	14300	4250	5500
						38	3800	4950	6250	7700	9250	10950	12750		
			114X5068	E		43	3350	4400	5550	6850	8300				
						46	3050	4050	5150	6350	7700				
		OP-MGZD108	114X5054	D	MTZ064	32	5450	6950	8700	10650	12800	15100	17600	5100	6550
						38	4700	6050	7650	9400	11300	13400	15700		
			114X5069	E		43	4100	5350	6750	8350	10100				
						46	3750	4900	6200	7700	9350				
		OP-MGZD121	114X5055	D	MTZ072	32	6000	7600	9450	11500	13700	16050	18550	5600	7250
						38	5200	6650	8300	10150	12100	14300	16600		
			114X5070	E		43	4550	5850	7350	9000	10850				
						46	4200	5400	6800	8350	10100				
		OP-MGZD136	114X5056	D	MTZ080	32	7300	9200	11300	13650	16200	18900	21800	7150	9000
						38	6400	8100	10000	12100	14400	16850	19500		
			114X5071	E		43	5650	7200	8900	10850	12900				
						46	5200	6650	8250	10050	12050				
		OP-MGZD171	114X5057	D	MTZ100	32	8250	10600	13200	16050	19150	22450	25850	8300	10250
						38	7200	9300	11650	14200	16950	19850	22950		
			114X5072	E		43	6300	8200	10300	12600	15100				
						46	5750	7550	9500	11650	13950				
		OP-MGZD215	114X5115	D	MTZ125	32	10900	13800	17150	20800	24850	29200	33850	11350	14100
						38	9450	12050	15050	18350	22000	25950	30200		
			114X5118	E		43	8300	10650	13350	16350	19700				
						46	7650	9850	12350	15200	18300				
		OP-MGZD242	114X5116	D	MTZ144	32	12650	15850	19400	23250	27400	31850	36500	12800	16100
						38	11050	13900	17050	20500	24250	28250	32450		
			114X5119	E		43	9700	12250	15100	18250	21650				
						46	8900	11300	13950	16900	20050				
		OP-MGZD271	114X5117	D	MTZ160	32	14200	17850	21900	26400	31250	36500	42000	13800	17600
						38	12400	15700	19350	23400	27750	32500	37500		
			114X5120	E		43	10950	13900	17200	20900	24850				
						46	10100	12850	15950	19400	23150				

Test condition
EN13215
Ambient temperature

SH 10K
32°C

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

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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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-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

Nbr of fans	Test cond.	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
		OP-MCUC034	114X5564	G	MLZ015	27	2500	3050	3700	4400	5150	5950	6850	1850	2000
						32	2250	2750	3350	4000	4700	5450	6300		
			114X5576	D		38	1900	2400	2900	3500	4150	4850	5600		
			114X5568	E		43		2050	2550	3100	3650	4300	5000		
		OP-MCUC043	114X5565	G	MLZ019	27	3 200	3 900	4 600	5 400	6 300	7 250	8 300	2450	2700
						32	2 950	3 550	4 200	4 950	5 750	6 650	7 650		
			114X5577	D		38	2 600	3 100	3 750	4 400	5 100	5 950	6 850		
			114X5569	E		43		2 750	3 300	3 900	4 550	5 300			
		OP-MCUC057	114X5566	G	MLZ026	27	4250	5150	6100	7150	8300	9550	10900	3200	3600
						32	3900	4700	5550	6550	7650	8800	10050		
			114X5578	D		38	3400	4100	4900	5800	6750	7850	9000		
			114X5570	E		43		3600	4350	5150	6050	7000			
		OP-MCUC068	114X5567	G	MLZ030	27	5050	6050	7200	8450	9800	11250	12800	3800	4300
						32	4600	5500	6550	7700	8950	10300	11750		
			114X5579	D		38	4000	4850	5750	6800	7900	9150	10500		
			114X5571	E		43		4250	5100	6000	7050	8200			
		OP-MCUC080	114X5580	D	MLZ038	27	6200	7500	8950	10500	12250	14150	16200	4750	5350
						32	5650	6850	8200	9650	11250	13000	14950		
			114X5572	E		38	5000	6050	7250	8550	10050	11650	13450		
						43		5350	6450	7650	9000	10450	12150		
		OP-MCUC107	114X5581	D	MLZ048	27	8050	9700	11550	13550	15750	18150	20800	6100	6900
						32	7350	8900	10550	12400	14450	16700	19200		
			114X5573	E		38	6450	7800	9350	11000	12850	14900	17200		
						43		6900	8250	9750	11450	13350			
		OP-MGUC149	114X5582	D	MLZ066	27	10900	13150	15600	18300	21200	24350	27700	8850	9950
						32	9950	12050	14300	16800	19500	22450	25550		
			114X5574	E		38	8750	10600	12700	14950	17400	20050	22950		
						43		9400	11250	13300	15550	18000			
		OP-MGUC162	114X5583	D	MLZ076	27	13100	15700	18550	21700	25100	28850	32900	10950	12150
						32	12000	14350	16850	19650	22750	26150	29900		
			114X5575	E		38	10650	12600	14750	17150	19800	22800	26150		
						43		11100	12900	14950	17250	19900	22900		
	SH =10K	OP-MGUD034	114X5523	E	MLZ015	32	2200	2700	3250	3900	4550	5300	6050	2250	2400
						38	1850	2300	2850	3400	4000	4650	5350		
						43		2000	2450	2950	3500	4100	4750		
						46		1750	2200	2700	3200				
		OP-MGUD043	114X5508	G	MLZ019	32	3000	3650	4350	5150	6000	6950	8000	2650	2900
						38	2650	3250	3850	4550	5350	6250	7200		
			114X5524	E		43		2850	3450	4100	4800	5600	6500		
						46		2650	3150	3750	4450				
		OP-MGUD057	114X5510	G	MLZ026	32	4000	4800	5750	6800	7950	9200	10550	3600	4000
						38	3500	4250	5100	6050	7050	8200	9450		
			114X5526	E		43		3750	4500	5400	6350	7400	8550		
						46		3450	4150	4950	5850				
		OP-MGUD068	114X5511	G	MLZ030	32	4850	5900	7050	8350	9800	11400	13100	4050	4450
						38	4300	5250	6300	7450	8750	10200	11800		
			114X5527	E		43		4650	5600	6650	7850	9200	10700		
						46		4300	5200	6200	7300				
		OP-MGUD080	114X5517	D	MLZ038	32	5900	7150	8600	10200	12000	13950	16100	4750	5200
						38	5250	6350	7650	9100	10750	12550	14500		
			114X5528	E		43		5700	6850	8200	9700	11350	13200		
						46		5250	6350	7600	9000				
		OP-MGUD107	114X5519	D	MLZ048	32	7700	9400	11250	13300	15600	18200	21050	6550	7150
						38	6850	8350	10000	11900	14000	16350	19000		
			114X5530	E		43		7450	8950	10650	12600	14800	17300		
						46		6850	8300	9900	11750				
		OP-MGUD148	114X5521	D	MLZ066	32	10250	12450	14850	17550	20450	23600	27050	8550	9550
						38	9050	11050	13250	15650	18300	21200	24400		
			114X5532	E		43		9800	11850	14050	16500	19150	22150		
						46		9050	10950	13050	15350				
		OP-MGUD162	114X5522	D	MLZ076	32	12350	14850	17600	20650	24050	27850	32000	10650	11750
						38	11000	13100	15500	18100	21100	24400	28200		
			114X5533	E		43		11650	13650	15900	18500	21450	24900		
						46		10750	12500	14550	16900				

Test condition

EN13215	**SH 10K**
Ambient temperature	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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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-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

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	+10°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	
							43	30	40	60	110	180	220	270	
		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		
							43	40	60	80	150	240			
		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	
							43	60	80	110	190	290	360	430	
		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	
							43	50	90	130	240	380	470	570	
		OP-MCGC006	A00	114X0228	A	NL6.1MF	27			200	330	520	640	770	200
			A01	114X0229			32			180	310	490	600	720	
			A04	114X0231			38			170	280	440	550	660	
							43			150	260	410	500	610	
		OP-MCGC007	A00	114X0244	A	NL7.3MF	27			250	410	640	780	940	240
			A01	114X0245			32			230	380	590	730	880	
			A04	114X0247			38			210	350	540	670	810	
							43			190	320	500	620	750	
		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	114X0219			38	80	120	170	290	460	560	690	
							43	70	110	150	270	430	530	640	
		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	
							43	90	130	180	310	500	620	750	
		OP-MCGC008	A00	114X0352	A	NL8.4MF	27			290	470	730	890	1080	270
			A01	114X0353			32			270	440	680	830	1010	
			A04	114X0355			38			240	400	620	760	930	
							43			220	370	580	710	860	
		OP-MCGC010	A00	114X0360	A	NL10MF	27			360	580	880	1080	1300	340
			A01	114X0361			32			330	540	830	1020	1230	
			A04	114X0363			38			300	500	770	940	1140	
							43			280	460	720	880	1060	
		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	
			A04	114X0235			38	110	160	220	370	580	710	860	
							43	100	140	200	340	540	660		
		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		
							43	120	180	250	410	650	810		
		OP-MCGC011	A00	114X0376	G	NL11MF	27			390	630	970	1180	1430	370
			A01	114X0377			32			370	600	920	1120	1350	
			A04	114X0379			38			330	550	850	1030	1250	
							43			310	510	790	970	1170	
		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	
							43	120	190	270	490	800	1000	1230	
		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	
							43		190	310	600	950	1160	1400	
		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	
							43		290	410	710	1120	1380	1670	
		OP-MCGC021	A00	114X0568	G	SC21MF	27			680	1090	1670	2030	2440	630
			A01	114X0569			32			640	1030	1570	1910	2310	
			A04	114X0571			38			580	940	1450	1780	2150	
							43			540	880	1360	1660	2010	
		OP-UCGC021	A00	114X0564	G	SC21GX	27		490	660	1100	1670	2010	2390	600
			A01	114X0565			32		450	610	1020	1570	1900	2270	
			A04	114X0567			38		400	540	930	1450	1760	2110	
							43		360	480	840	1330	1630	1970	
	RGT20	OP-UCGC026	A00	114X0772	G	GS26MFX	27			860	1440	2240	2750		770
			A01	114X0773			32			800	1340	2080	2550		
			A04	114X0775			38			730	1220	1900	2320		
							43			660	1120	1750	2140		
		OP-UCGC034	A00	114X0780	G	GS34MFX	27			1150	1870	2860	3480		980
			A01	114X0781			32			1060	1740	2680	3270		
			A04	114X0783			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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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

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)

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)	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-MCGC007	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-MCGC008	BG2	231	0.25	1x200	0.8	2	226	304	432	3/8"	1/4"	20	18
OP-MCGC010	BG2	231	0.25	1x200	0.8	4	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"	19	17
OP-UCGC011	BG3	518	0.31	1x230	1.1	4	256	321	444	3/8"	1/4"	20	18
OP-MCGC011	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"	24	22
OP-UCGC018	BG5	583	0.53	1x254	1.1	4	296	331	473	3/8"	1/4"	25	23
OP-MCGC021	BG5	583	0.53	1x254	1.1	4	296	331	513	3/8"	1/4"	25	23
OP-UCGC021	BG5	583	0.53	1x254	1.1	4	296	331	513	3/8"	1/4"	25	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"	39	34

	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		
			114X5012	E		38	750	1050	1450	1850	2300	2800	3300		
						43	650	950	1300	1650	2050	2500			
		OP-MCZC038	114X5025	G	MTZ022	27	1300	1750	2300	2900	3600	4400	5200	1000	1250
						32	1150	1600	2100	2700	3350	4050	4850		
			114X5013	E		38	1000	1400	1900	2400	3000	3650	4400		
						43	900	1250	1700	2200	2750	3350			
		OP-MCZC048	114X5026	G	MTZ028	27	1600	2200	2850	3650	4550	5600	6750	1150	1500
						32	1500	2000	2650	3400	4250	5200	6300		
			114X5014	E		38	1350	1800	2400	3050	3850	4750	5750		
						43	1200	1650	2150	2800	3550	4350			
		OP-MCZC054	114X5027	G	MTZ032	27	1900	2550	3300	4150	5200	6300	7550	1400	1900
						32	1700	2300	3050	3850	4800	5900	7050		
			114X5015	E		38	1500	2050	2700	3500	4350	5350	6400		
						43	1350	1850	2500	3200	4000	4900			
		OP-MCZC060	114X5028	G	MTZ036	27	2600	3250	4100	5050	6100	7300	8550	1600	2100
						32	2350	3000	3800	4700	5700	6850	8000		
			114X5016	E		38	2100	2750	3500	4300	5250	6250	7350		
						43	1950	2550	3200	4000	4850	5800			
		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		
						43	2350	2950	3700	4450	5350	6300			
		OP-MCZC086	114X5029	G	MTZ050	27	3200	4200	5400	6750	8300	10000	11850	2000	2600
						32	2850	3800	4950	6200	7700	9300	11050		
			114X5018	E		38	2500	3350	4400	5600	6950	8450	10100		
						43	2200	3050	4000	5150	6400	7800			
		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		
						43	2150	3100	4200	5550	7000	8650			
		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		
						43	2550	3750	5100	6600	8300	10200			
		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		
						43	3050	4350	5900	7650	9600	11800			
		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		
						43	3900	5250	6850	8700	10800	13100			
		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		
						43	4400	6000	7900	10050	12450	15100			
		OP-MGZC215	114X5058	D	MTZ125	27	8000	10750	13400	16750	20500	24750	29400	7050	8600
						32	7250	9600	12350	15550	19100	23100	27500		
			114X5073	E		38	6350	8550	11100	14100	17400	21150	25200		
						43	5600	7700	10100	12850	16000	19450			
		OP-MGZC242	114X5059	D	MTZ144	27	10250	12850	16150	19900	24100	28700	33700	8250	10100
						32	9150	11850	15000	18550	22550	26900	31600		
			114X5074	E		38	8150	10700	13650	16950	20650	24650	29000		
						43	7350	9750	12500	15600	19000	22750			
		OP- MGZC271	114X5060	D	MTZ160	27	11300	14250	17950	22200	26950	32200	37850	8650	10750
						32	10200	13200	16700	20700	25200	30100	35450		
			114X5075	E		38	9150	11950	15200	18900	23050	27550	32450		
						43	8350	10950	13950	17400	21200	25400			

Test condition
EN13215 SH 10K
Ambient temperature 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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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″	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

	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
		OP-MGZD030	114X5076	G	MTZ018	32	900	1250	1700	2150	2700	3250	3900	950	1150
			114X5046	D		38	750	1100	1500	1900	2400	2900	3500		
						43	650	1000	1350	1750	2150	2650	3150		
			114X5061	E		46	600	900	1250	1600	2050	2500			
		OP-MGZD038	114X5077	G	MTZ022	32	1200	1650	2200	2800	3500	4300	5200	1300	1550
			114X5047	D		38	1050	1450	1950	2550	3200	3900	4700		
						43	900	1300	1750	2300	2900	3550	4300		
			114X5062	E		46	850	1200	1650	2150	2750	3350			
		OP-MGZD048	114X5078	G	MTZ028	32	1500	2050	2650	3450	4350	5350	6500	1450	1800
			114X5048	D		38	1350	1850	2400	3100	3950	4900	5950		
						43	1200	1650	2200	2850	3650	4500	5450		
			114X5063	E		46	1150	1600	2100	2700	3450	4250			
		OP-MGZD054	114X5079	G	MTZ032	32	1750	2350	3100	3950	4950	6050	7300	1700	2150
			114X5049	D		38	1550	2100	2800	3600	4500	5500	6650		
						43	1400	1900	2550	3250	4100	5050	6150		
			114X5064	E		46	1300	1800	2400	3100	3900	4800			
		OP-MGZD060	114X5080	G	MTZ036	32	2400	3100	3950	4950	6050	7250	8600	2150	2600
			114X5050	D		38	2200	2850	3650	4550	5550	6700	7950		
						43	2000	2600	3350	4200	5150	6200	7400		
			114X5065	E		46	1900	2500	3200	4000	4900	5900			
		OP-MGZD068	114X5051	D	MTZ040	32	2850	3600	4450	5450	6550	7750	9100	2250	2700
						38	2600	3350	4150	5050	6100	7250	8500		
			114X5066	E		43	2400	3100	3850	4750	5700	6800	7950		
						46	2300	2950	3700	4500	5450	6500			
		OP-MGZD086	114X5081	G	MTZ050	32	2950	3950	5150	6550	8200	9950	11950	2500	3050
			114X5052	D		38	2550	3500	4650	5900	7400	9100	10900		
						43	2300	3150	4200	5400	6800	8350	10100		
			114X5067	E		46	2100	2950	3950	5100	6450	7950			
	SH= 10K	OP-MGZD096	114X5053	D	MTZ056	32	2900	4000	5350	6900	8650	10650	12850	2600	3250
						38	2500	3550	4800	6200	7900	9750	11800		
			114X5068	E		43	2200	3200	4350	5700	7250	9000	10950		
						46	2050	2950	4100	5400	6900	8600			
		OP-MGZD108	114X5054	D	MTZ064	32	3400	4750	6350	8200	10300	12600	15150	3050	3750
						38	3000	4250	5750	7450	9400	11600	13950		
			114X5069	E		43	2650	3850	5250	6850	8700	10700	12950		
						46	2450	3600	4950	6500	8250	10200			
		OP-MGZD121	114X5055	D	MTZ072	32	3900	5400	7100	9150	11400	13950	16750	3350	4250
						38	3450	4850	6500	8350	10500	12850	15450		
			114X5070	E		43	3100	4400	5950	7700	9700	11950	14400		
						46	2850	4150	5600	7300	9250	11400			
		OP-MGZD136	114X5056	D	MTZ080	32	5000	6600	8550	10750	13350	16250	19500	4400	5350
						38	4450	6000	7800	9850	12300	15000	18000		
			114X5071	E		43	4000	5450	7150	9100	11400	13950	16750		
						46	3750	5150	6750	8650	10850	13300			
		OP-MGZD171	114X5057	D	MTZ100	32	5750	7650	9950	12650	15750	19200	23000	5100	6200
						38	5050	6850	9000	11500	14350	17550	21100		
			114X5072	E		43	4550	6250	8250	10550	13200	16200	19500		
						46	4250	5900	7800	10000	12550	15400			
		OP-MGZD215	114X5115	D	MTZ125	32	7400	9800	12650	15950	19700	23950	28600	7050	8450
						38	6450	8750	11400	14500	18000	21950	26300		
			114X5118	E		43	5750	7850	10350	13250	16550	20250	24300		
						46	5300	7350	9750	12500	15650	19200			
		OP-MGZD242	114X5116	D	MTZ144	32	9350	12150	15400	19150	23350	28000	33100	8200	9950
						38	8350	10950	14000	17500	21400	25750	30450		
			114X5119	E		43	7550	10000	12850	16100	19750	23800	28200		
						46	7050	9450	12150	15300	18800	22650			
		OP-MGZD271	114X5117	D	MTZ160	32	10450	13550	17200	21450	26250	31600	37450	8400	10400
						38	9400	12300	15700	19650	24050	29000	34450		
			114X5120	E		43	8550	11250	14450	18100	22200	26800	31850		
						46	8050	10650	13700	17150	21100	25450			

Test condition
EN13215 SH 10K
Ambient temperature 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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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 × 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

	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-MCUC034	114X5564	G	MLZ015	27	1850	2300	2850	3500	4200	5000	5900	1100	1200
						32	1750	2200	2700	3300	4000	4750	5600		
			114X5576	D		38	1650	2050	2550	3100	3750	4450	5300		
			114X5568	E		43	1550	1900	2400	2900	3500	4200	5000		
		OP-MCUC043	114X5565	G	MLZ019	27	2350	2900	3600	4350	5250	6200	7300	1400	1550
						32	2200	2750	3400	4150	5000	5900	6900		
			114X5577	D		38	2050	2550	3150	3850	4650	5500	6450		
			114X5569	E		43	1900	2400	2950	3600	4350	5200	6100		
		OP-MCUC057	114X5566	G	MLZ026	27	3050	3850	4750	5750	6900	8150	9550	1750	1950
						32	2900	3650	4500	5450	6550	7750	9100		
			114X5578	D		38	2650	3350	4150	5100	6100	7250	8500		
			114X5570	E		43	2500	3150	3900	4750	5750	6800	8000		
		OP-MCUC068	114X5567	G	MLZ030	27	3650	4600	5650	6850	8200	9700	11350	2050	2350
						32	3450	4350	5350	6500	7800	9250	10800		
			114X5579	D		38	3250	4050	4950	6050	7250	8600	10100		
			114X5571	E		43		3750	4650	5650	6800	8100	9500		
		OP-MCUC080	114X5580	D	MLZ038	27	4350	5500	6750	8250	9900	11750	13750	2900	3200
						32	4100	5200	6400	7800	9400	11150	13100		
			114X5572	E		38	3800	4800	5950	7300	8800	10450	12250		
						43		4500	5600	6850	8250	9800	11550		
		OP-MCUC107	114X5581	D	MLZ048	27	5750	7200	8850	10800	12950	15300	17800	3400	3850
						32	5400	6800	8400	10200	12250	14500	16950		
			114X5573	E		38	5000	6300	7800	9500	11450	13550	15900		
						43		5850	7250	8900	10750	12750	14950		
		OP-MGUC149	114X5582	D	MLZ066	27	8000	9900	12150	14700	17550	20700	24100	5400	6050
						32	7500	9350	11500	13950	16650	19650	22900		
			114X5574	E		38	6900	8650	10700	12950	15500	18350	21400		
						43		8050	9950	12150	14550	17250	20150		
		OP-MGUC162	114X5583	D	MLZ076	27	8950	11200	13800	16750	20050	23650	27700	7200	7900
						32	8450	10600	13050	15850	19000	22500	26400		
			114X5575	E		38	7800	9800	12150	14800	17750	21100	24750		
						43		9150	11350	13850	16650	19850	23350		
		OP-MGUD034	114X5523	E	MLZ015	32	1750	2150	2700	3300	3950	4700	5550	1400	1550
						38	1600	2000	2500	3050	3700	4400	5200		
						43	1500	1900	2350	2850	3450	4150	4900		
						46		1800	2250	2750	3350	4000	4700		
		OP-MGUD043	114X5508	G	MLZ019	32	2250	2800	3450	4200	5050	6050	7100	1650	1850
						38	2100	2600	3200	3950	4750	5650	6650		
			114X5524	E		43	1950	2450	3000	3700	4450	5300	6250		
						46		2350	2900	3550	4300	5100	6050		
		OP-MGUD057	114X5510	G	MLZ026	32	2900	3650	4550	5550	6650	7900	9300	2200	2450
						38	2700	3400	4250	5150	6250	7400	8700		
			114X5526	E		43	2500	3200	3950	4850	5850	7000	8200		
						46		3050	3800	4650	5600	6700	7900		
		OP-MGUD068	114X5511	G	MLZ030	32	3550	4450	5500	6750	8100	9650	11400	2500	2700
						38	3300	4150	5150	6300	7600	9050	10700		
			114X5527	E		43	3100	3900	4850	5900	7150	8550	10100		
						46		3750	4650	5650	6850	8200	9700		
		OP-MGUD080	114X5517	D	MLZ038	32	4200	5300	6550	8000	9650	11500	13600	3000	3250
						38	3850	4900	6100	7500	9050	10800	12750		
			114X5528	E		43	3600	4600	5750	7050	8500	10200	12050		
						46		4400	5500	6750	8200	9800	11600		
		OP-MGUD107	114X5519	D	MLZ048	32	5550	6950	8600	10550	12700	15100	17750	4150	4500
						38	5150	6450	8000	9850	11900	14150	16650		
			114X5530	E		43	4800	6000	7500	9250	11200	13350	15750		
						46		5750	7200	8850	10750	12850	15150		
		OP-MGUD148	114X5521	D	MLZ066	32	7600	9500	11700	14200	17000	20150	23550	5300	5900
						38	7000	8800	10900	13250	15900	18850	22050		
			114X5532	E		43		8200	10150	12400	14950	17750	20800		
						46		7850	9750	11900	14350	17050	20050		
		OP-MGUD162	114X5522	D	MLZ076	32	8550	10750	13300	16150	19450	23050	27100	7100	7700
						38	7900	9950	12350	15100	18200	21650	25450		
			114X5533	E		43		9350	11550	14150	17100	20400	24050		
						46		8950	11100	13600	16450	19650	23200		

Test condition
EN13215 SH 10K
Ambient temperature 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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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)	(without valve)	Fig.	Height H (mm)	Width W (mm)	Depth 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-MGUC149	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

	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		
			114X5012	E		38		1500	2000	2500	3100	3650		
						43			1800	2300				
		OP-MCZC038	114X5025	G	MTZ022	27	2050	2650	3350	4100	4900	5700	1450	1950
						32	1850	2400	3050	3750	4500	5250		
			114X5013	E		38		2150	2700	3350	4050	4750		
						43			2450	3050				
		OP-MCZC048	114X5026	G	MTZ028	27	2550	3400	4350	5400	6500	7650	1700	2350
						32	2300	3100	4000	4950	6000	7100		
			114X5014	E		38		2750	3550	4450	5400	6400		
						43			3200	4050				
		OP-MCZC054	114X5027	G	MTZ032	27	3050	3950	4900	5950	7050	8200	1950	2700
						32	2800	3600	4500	5500	6500	7600		
			114X5015	E		38		3200	4050	4950	5850	6850		
						43			3650	4450				
		OP-MCZC060	114X5028	G	MTZ036	27	3600	4550	5550	6700	7850	9100	2300	3250
						32	3250	4150	5150	6200	7300	8400		
			114X5016	E		38		3750	4650	5600	6600	7600		
						43			4200	5100				
		OP-MCZC068	114X5017	E	MTZ040	27	4200	5300	6450	7750	9150	10550	2700	3750
						32	3850	4900	6000	7200	8500	9800		
						38		4400	5450	6550	7700	8900		
						43			4950	6000				
		OP-MCZC086	114X5029	G	MTZ050	27	4700	6000	7500	9100	10850	12650	2950	4100
						32	4250	5500	6900	8400	10000	11700		
			114X5018	E		38		4850	6150	7500	9000	10550		
						43			5550	6800				
		OP-MCZC096	114X5019	E	MTZ056	27	5100	6650	8350	10200	12250	14400	3100	4400
						32	4650	6050	7650	9450	11300	13300		
						38		5400	6850	8500	10200	12050		
						43			6200	7700				
		OP-MCZC108	114X5020	E	MTZ064	27	6200	7900	9850	12000	14300	16850	4100	5500
						32	5650	7250	9050	11050	13250	15600		
						38		6500	8150	10000	12000	14150		
						43			7400	9100				
		OP-MCZC121	114X5021	E	MTZ072	27	7050	9050	11300	13800	16500	19400	4700	6300
						32	6450	8300	10400	12750	15300	18050		
						38		7450	9400	11550	13850	16350		
						43			8500	10500				
		OP-MCZC136	114X5022	E	MTZ080	27	7950	10150	12600	15300	18200	21250	5400	7300
						32	7300	9350	11700	14200	16900	19750		
						38		8450	10550	12850	15350	17950		
						43			9600	11750				
		OP-MCZC171	114X5023	E	MTZ100	27	8900	11550	14550	17800	21250	24950	6200	8450
						32	8000	10500	13300	16350	19600	23000		
						38		9300	11850	14650	17600	20700		
						43			10650	13200				
		OP-MGZC215	114X5058	D	MTZ125	27	12900	16350	20200	24450	29050	33950	9900	12650
						32	11750	15000	18650	22650	26950	31550		
			114X5073	E		38		13450	16800	20450	24450	28650		
						43			15250	18650				
		OP-MGZC242	114X5059	D	MTZ144	27	13850	17550	21700	26250	31150	36300	10900	14100
						32	12650	16150	20050	24300	28900	33700		
			114X5074	E		38		14450	18050	22000	26200	30600		
						43			16400	20050				
		OP- MGZC271	114X5060	D	MTZ160	27	16600	20750	25400	30500	36000	41900	12200	15800
						32	15250	19150	23550	28350	33500	38950		
			114X5075	E		38		17300	21300	25700	30450	35450		
						43			19450	23550				

Test condition
EN13215 SH 10K
Ambient temperature 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

Power consumption referred at 32°C ambient temperature

Subcooling within the limits of the condensing unit

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″	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

	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
		OP-MGZD030	114X5076	G	MTZ018	32	1300	1800	2350	2950	3650	4350	1200	1550
			114X5046	D		38	1100	1550	2100	2650	3250	3900		
						43	950	1400	1900	2400				
			114X5061	E		46	850	1300	1750	2250				
		OP-MGZD038	114X5077	G	MTZ022	32	1950	2550	3250	4000	4850	5750	1700	2150
			114X5047	D		38	1650	2250	2900	3600	4350	5200		
						43	1450	2000	2600	3250				
			114X5062	E		46	1350	1850	2450	3050				
		OP-MGZD048	114X5078	G	MTZ028	32	2350	3200	4100	5100	6200	7400	2000	2650
			114X5048	D		38	2050	2800	3650	4600	5600	6700		
						43	1800	2500	3300	4200				
			114X5063	E		46	1650	2350	3100	3950				
		OP-MGZD054	114X5079	G	MTZ032	32	2850	3700	4650	5700	6800	7950	2250	2950
			114X5049	D		38	2500	3300	4150	5100	6150	7200		
						43	2200	2950	3750	4650				
			114X5064	E		46	2000	2750	3550	4350				
		OP-MGZD060	114X5080	G	MTZ036	32	3450	4400	5500	6650	7950	9300	2800	3650
			114X5050	D		38	3050	3950	4950	6050	7200	8450		
						43	2700	3600	4500	5500				
			114X5065	E		46	2500	3350	4250	5200				
		OP-MGZD068	114X5051	D	MTZ040	32	4100	5200	6500	7900	9400	11050	3150	4000
						38	3700	4750	5900	7200	8600	10100		
			114X5066	E		43	3300	4300	5400	6600				
						46	3100	4050	5100	6250				
		OP-MGZD086	114X5081	G	MTZ050	32	4500	5850	7350	9100	10950	12950	3400	4400
			114X5052	D		38	3950	5200	6600	8150	9900	11750		
						43	3500	4650	5950	7400				
			114X5067	E		46	3200	4350	5600	6950				
	SH= 10K	OP-MGZD096	114X5053	D	MTZ056	32	4750	6250	7950	9850	11900	14100	3600	4800
						38	4200	5600	7150	8850	10750	12800		
			114X5068	E		43	3700	5000	6450	8050				
						46	3450	4650	6050	7600				
		OP-MGZD108	114X5054	D	MTZ064	32	5850	7550	9500	11700	14150	16800	4200	5500
						38	5200	6750	8550	10600	12800	15250		
			114X5069	E		43	4700	6100	7800	9650				
						46	4400	5750	7300	9100				
		OP-MGZD121	114X5055	D	MTZ072	32	6500	8400	10550	12950	15600	18400	4850	6400
						38	5800	7550	9500	11700	14150	16700		
			114X5070	E		43	5200	6800	8650	10700				
						46	4850	6400	8150	10050				
		OP-MGZD136	114X5056	D	MTZ080	32	7600	9850	12400	15200	18250	21550	6150	7800
						38	6800	8900	11200	13800	16650	19650		
			114X5071	E		43	6100	8050	10250	12650				
						46	5700	7600	9650	11950				
		OP-MGZD171	114X5057	D	MTZ100	32	8450	11150	14250	17700	21450	25500	6950	8900
						38	7350	9900	12750	15900	19350	23050		
			114X5072	E		43	6500	8850	11500	14400				
						46	6000	8250	10750	13500				
		OP-MGZD215	114X5115	D	MTZ125	32	12100	15500	19350	23650	28300	33350	9800	12350
						38	10700	13900	17450	21400	25700	30350		
			114X5118	E		43	9550	12550	15850	19550				
						46	8850	11700	14900	18400				
		OP-MGZD242	114X5116	D	MTZ144	32	13050	16750	20900	25450	30450	35800	10800	13750
						38	11550	15000	18850	23100	27700	32600		
			114X5119	E		43	10350	13600	17150	21100				
						46	9650	12750	16150	19900				
		OP-MGZD271	114X5117	D	MTZ160	32	15850	20000	24700	29950	35650	41850	11800	15100
						38	14200	18050	22400	27250	32500	38200		
			114X5120	E		43	12800	16450	20500	25000				
						46	12000	15450	19350	23650				

Test condition
EN13215 SH 10K
Ambient temperature 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

Power consumption referred at 32°C ambient temperature
Subcooling within the limits of the condensing unit

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 × 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/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 (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

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	MCC Fan (A) 400 V/3 phase
OP-LCHC048	6002113P06	16	4.8	0.85	
OP-LCHC068	6002113P06	25	8.4	1.2	
OP-LCHC096	6002113P06	32	10.1	1.2	
OP-LCHC108	6002113P06	45	12.1	1.3	
OP-LCHC136	6002113P06	51	14.3	1.3	
OP-LCHC215	6002113P06	74	22.3	3.4	
OP-LCHC271	6002113P06	96	27	3.4	
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			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	8176044		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC096	8174038	8168180	7968017	7968014	8176043	8176044		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC108	8174041	8168181	7968017	7968014	8176045	8176046		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 3
OP-LGHC136	8174041	8168181	7968017	7968014	8176045	8176046		DML/DCL 084	SGN 12	KP 1/KP 7/KP 17	EVR 6
OP-LGHC215	8174044	8168183	7968018	7968015	8176070	8176069		DML/DCL 165	SGN 16	KP 1/KP 7/KP 17	EVR 6
OP-LGHC271	8174044	8168183	7968018	7968015	8176070	8176069		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	0.85
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/50Hz

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	
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 3.4	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		Watherproof 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		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	118U8017		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZC242	118U8012	8168183	7968018	7968016	118U8023	118U8017		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP- MGZC271	118U8012	8168183	7968018	7968016	118U8023	118U8017		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD030	8174036	8168179	7968013	7968012	8176018	8176039		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD038	8174037	8168180	7968013	7968013	8176043	8176044		DML/DCL053	SGN10	KP1/KP7/KP17	EVR 3
OP-MGZD048	8174038	8168180	7968013	7968013	8176043	8176044		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD054	8174038	8168180	7968014	7968013	8176043	8176044		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD060	8174041	8168181	7968014	7968013	8176045	8176046		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD068	8174041	8168181	7968014	7968013	8176045	8176046		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD086	8174041	8168181	7968017	7968014	8176045	8176046		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD096	8174041	8168181	7968017	7968014	8176045	8176046		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD108	8174042	8168182	7968017	7968014	8176047	8176048		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD121	8174042	8168182	7968017	7968014	8176047	8176048		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD136	8174044	8168182	7968018	7968015	8176070	8176069		DML/DCL084	SGN12	KP1/KP7/KP17	EVR 3
OP-MGZD171	8174045	8168183	7968018	7968015	8176070	8176069		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD215	118U8012	8168183	7968018	7968016	118U8023	118U8017		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD242	118U8012	8168183	7968018	7968016	118U8023	118U8017		DML/DCL165	SGN16	KP1/KP7/KP17	EVR 6
OP-MGZD271	8174048	8168183	7968018	7968016	8176098	8176099		DML/DCL165	SGN16	KP1/KP7/KP17	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-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/50Hz

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

Unit	Condenser	Receiver	Rotalock valve		Fan motor		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	DML/DCL084	SGN12	KP1/KP5/KP17	EVR3
OP-MCUC043	118U8002	8168180	7968015	7968013	8176045	8176046	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC057	118U8004	8168180	7968015	7968013	8176047	8176048	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC068	118U8005	8168181	7968016	7968013	8176047	8176048	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC080	118U8007	8168181	7968016	7968013	118U8023	118U8017	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MCUC107	118U8010	8168182	7968016	7968015	118U8023	118U8017	DML/DCL164	SGN12	KP1/KP5/KP17	EVR6
OP-MGUC149	8174044	8168182	7968018	7968016	8176070	8176069	DML/DCL164	SGN12	KP1/KP5/KP17	EVR10
OP-MGUC162	118U8012	8168183	7968018	7968016	118U8023	118U8017	DML/DCL165	SGN16	KP1/KP5/KP17	EVR15
OP-MGUD034	8174037	8168180	7968015	7968013	8176043	8176044	DML/DCL084	SGN12	KP1/KP5/KP17	EVR3
OP-MGUD043	8174038	8168180	7968015	7968013	8176043	8176044	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD057	8174041	8168181	7968015	7968013	8176045	8176046	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD068	8174041	8168181	7968016	7968013	8176045	8176046	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD080	8174042	8168181	7968016	7968013	8176047	8176048	DML/DCL084	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD107	8174044	8168182	7968016	7968015	8176070	8176069	DML/DCL164	SGN12	KP1/KP5/KP17	EVR6
OP-MGUD148	8174045	8168182	7968018	7968016	8176070	8176069	DML/DCL164	SGN12	KP1/KP5/KP17	EVR10
OP-MGUD162	118U8012	8168183	7968018	7968016	118U8023	118U8017	DML/DCL165	SGN16	KP1/KP5/KP17	EVR15

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

Electrical characteristics - 230V/1phase/50Hz

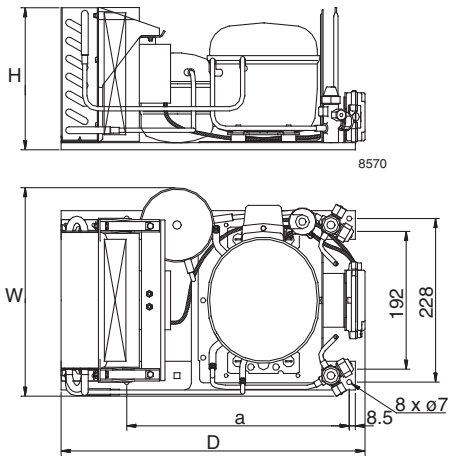
Unit	LRA compressor (A) 230 V/ 1 phase	MCC Fan (A) 230 V/ 1 phase
OP-UCGC003	4.9	0.19
OP-UCGC004	5.1	0.19
OP-UCGC005	5.7	0.19
OP-UCGC006	7.5	0.19
OP-UCGC007	8.1	0.19
OP-UCGC008	8.2	0.19
OP-UCGC010	10	0.19
OP-UCGC011	10	0.25
OP-UCGC012	12.6	0.25
OP-UCGC015	14.8	0.39
OP-UCGC018	18.6	0.39
O P-UCGC021	21.8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

Spare parts

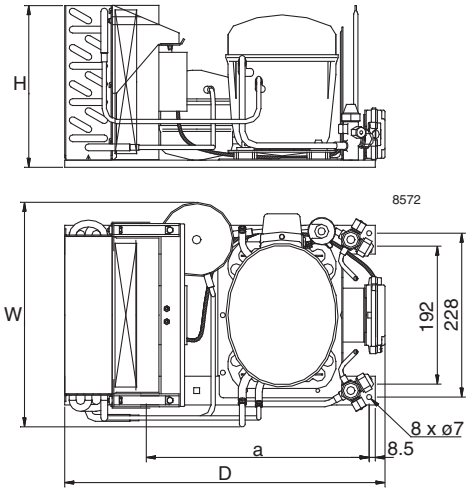
Unit	Condenser	Receiver	Fan motor	Weatherproof housing	Filter drier Type	Sight glass type	Pressure control type	Solenoid valve type (excl coil)
			230Volts					
OP-UCGC003	118U0028	118U0517	118U0032	118U4620	DML/DCL032	SGN6	KP1/KP5/KP17	EVR2
OP-UCGC004	118U0028	118U0517	118U0032	118U4620	DML/DCL032	SGN6	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-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-UCGC010	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-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

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

①


H
8570
W
192
228
8 x ø7
8.5
a
D

②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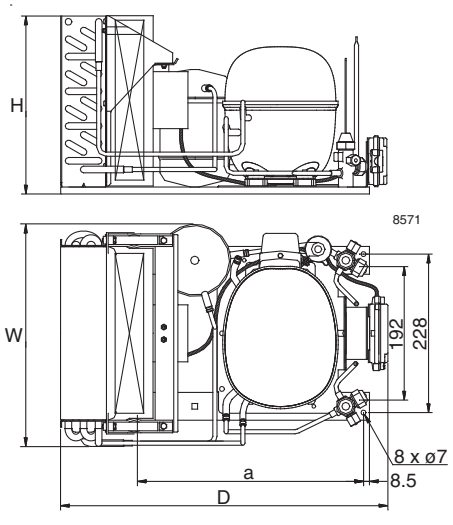
8 x ø7
8.5
a
D

③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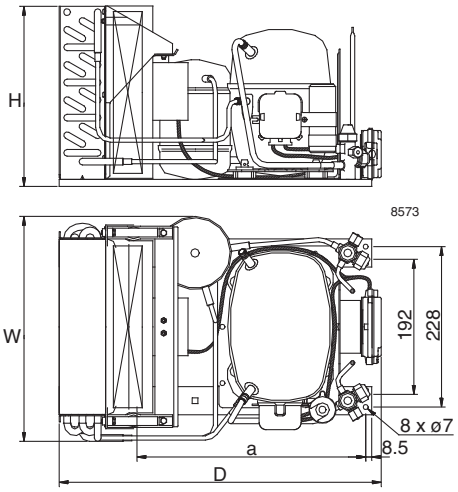
a
D

④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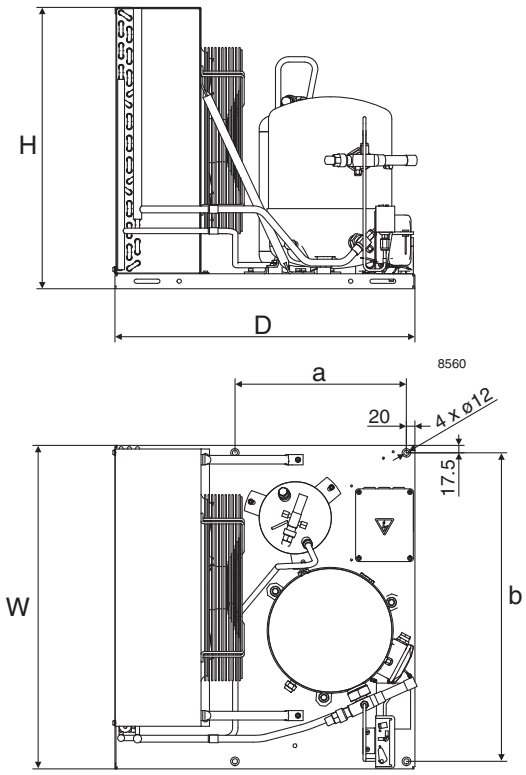
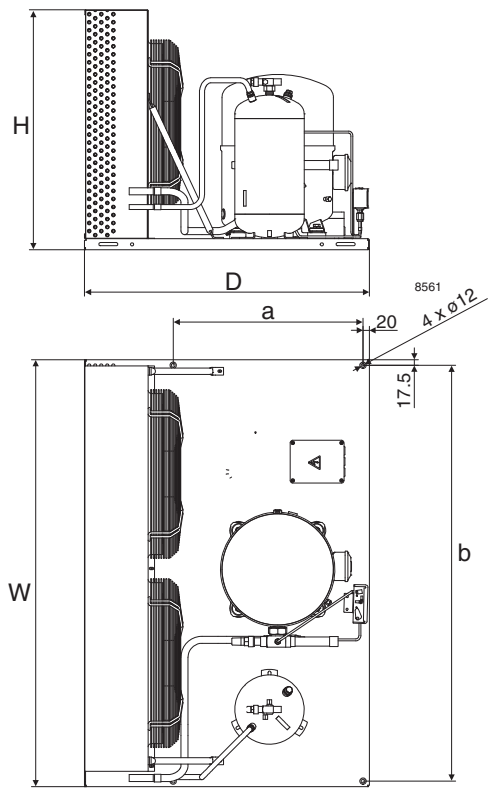
228
8 x ø7
8.5
a
D

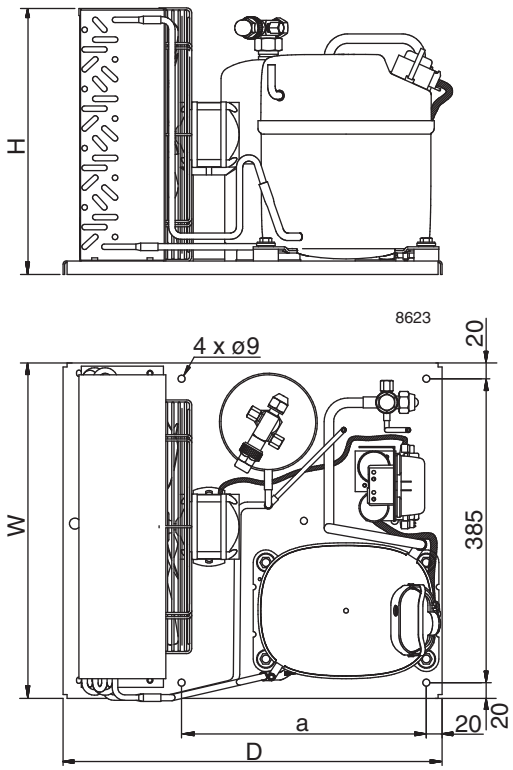
⑤


H
D
a
8560
20
4 x ø12
17.5
W
b

⑥


H
D
8561
a
20
4 x ø12
17.5
W
b

⑦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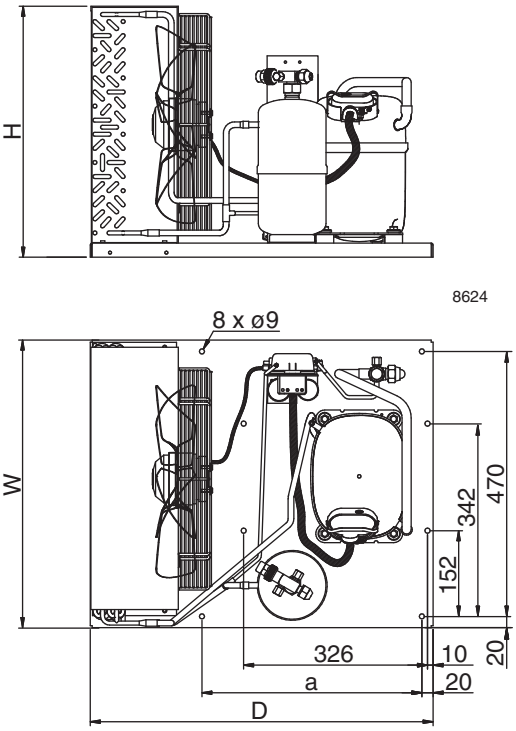
4 x ø9
20
W
385
a
20
20
D

⑧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W
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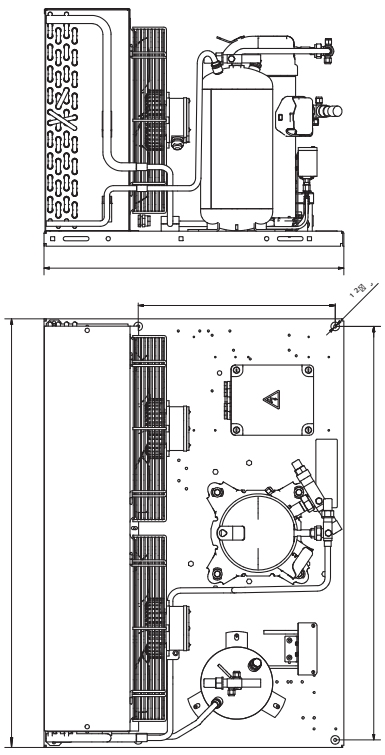
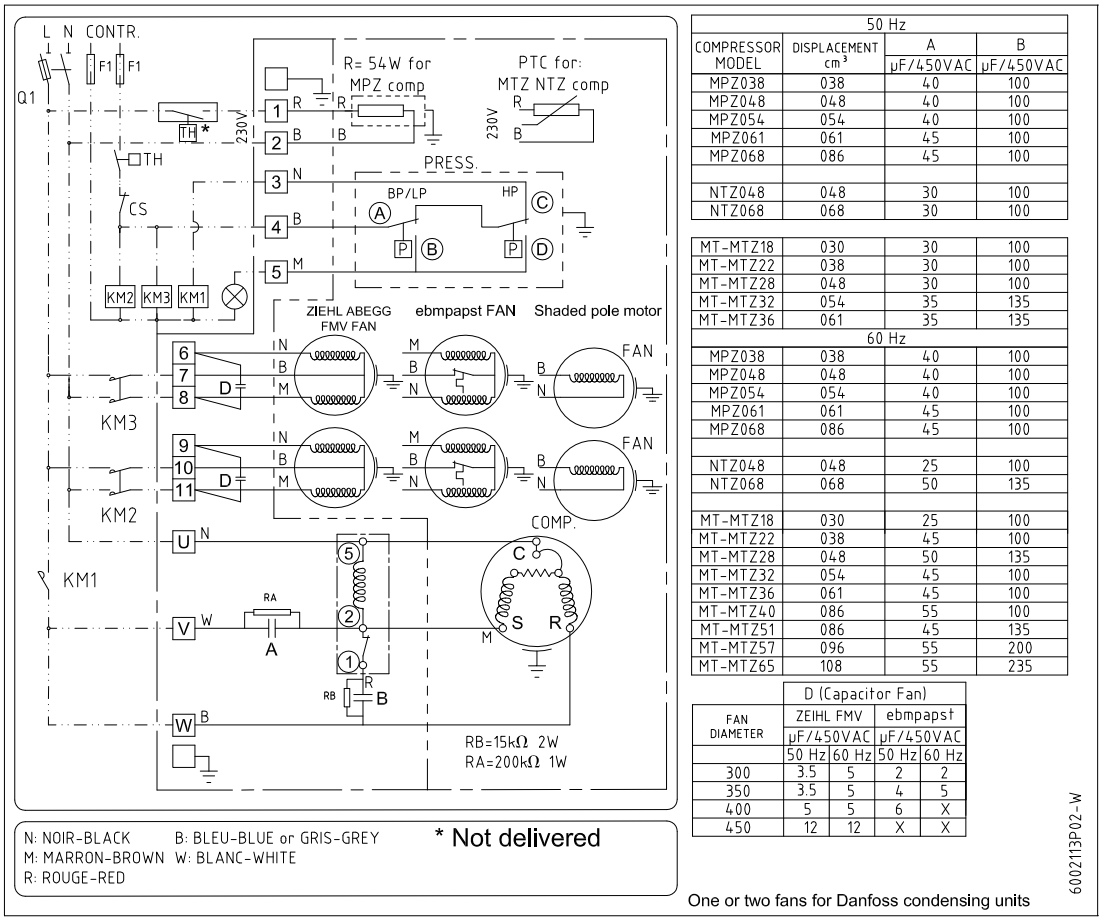
20
a
20
D

⑨



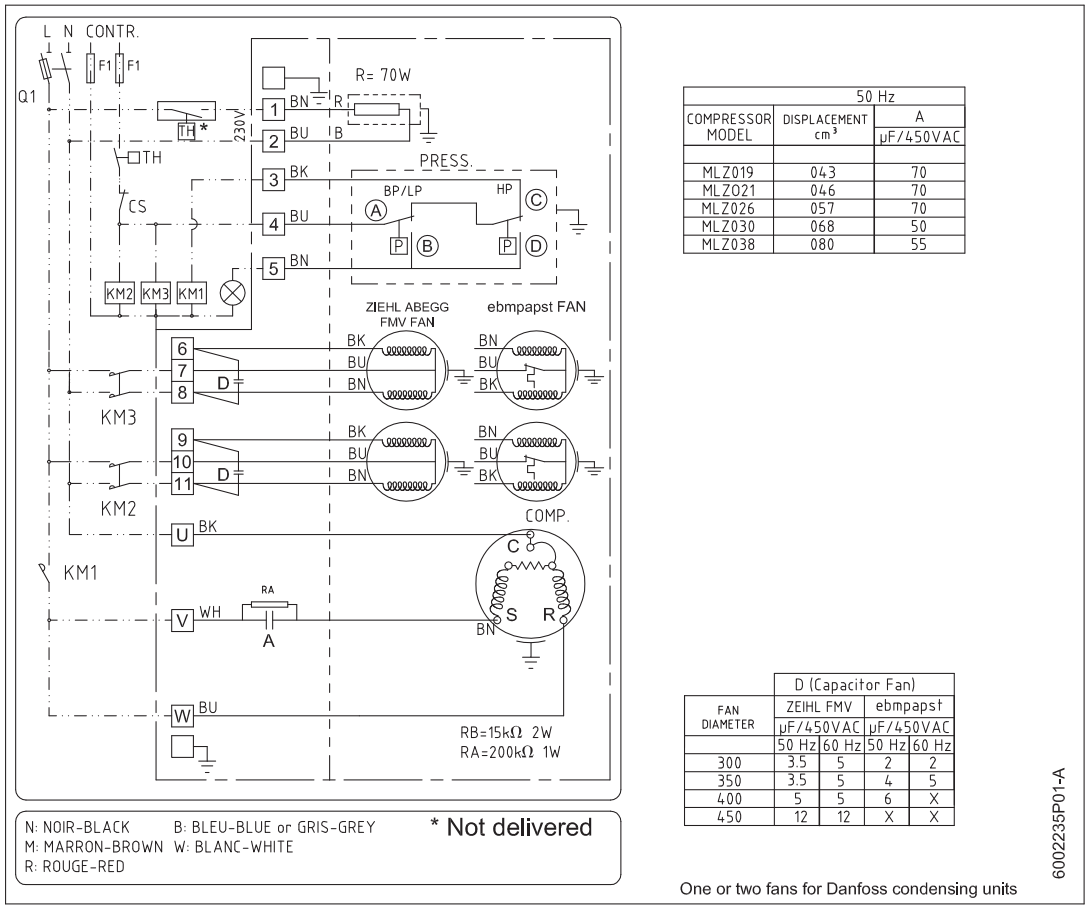


50 Hz			
COMPRESSOR MODEL	DISPLACEMENT cm³	A	B
		µF/450VAC	µF/450VAC
MPZ038	038	40	100
MPZ048	048	40	100
MPZ054	054	40	100
MPZ061	061	45	100
MPZ068	086	45	100
NTZ048	048	30	100
NTZ068	068	30	100
MT-MTZ18	030	30	100
MT-MTZ22	038	30	100
MT-MTZ28	048	30	100
MT-MTZ32	054	35	135
MT-MTZ36	061	35	135
60 Hz			
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-MTZ51	086	45	135
MT-MTZ57	096	55	200
MT-MTZ65	108	55	235

FAN DIAMETER	D (Capacitor Fan)			
	ZEIHL FMV		ebmpapst	
	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

6002113P02-W

One or two fans for Danfoss condensing units

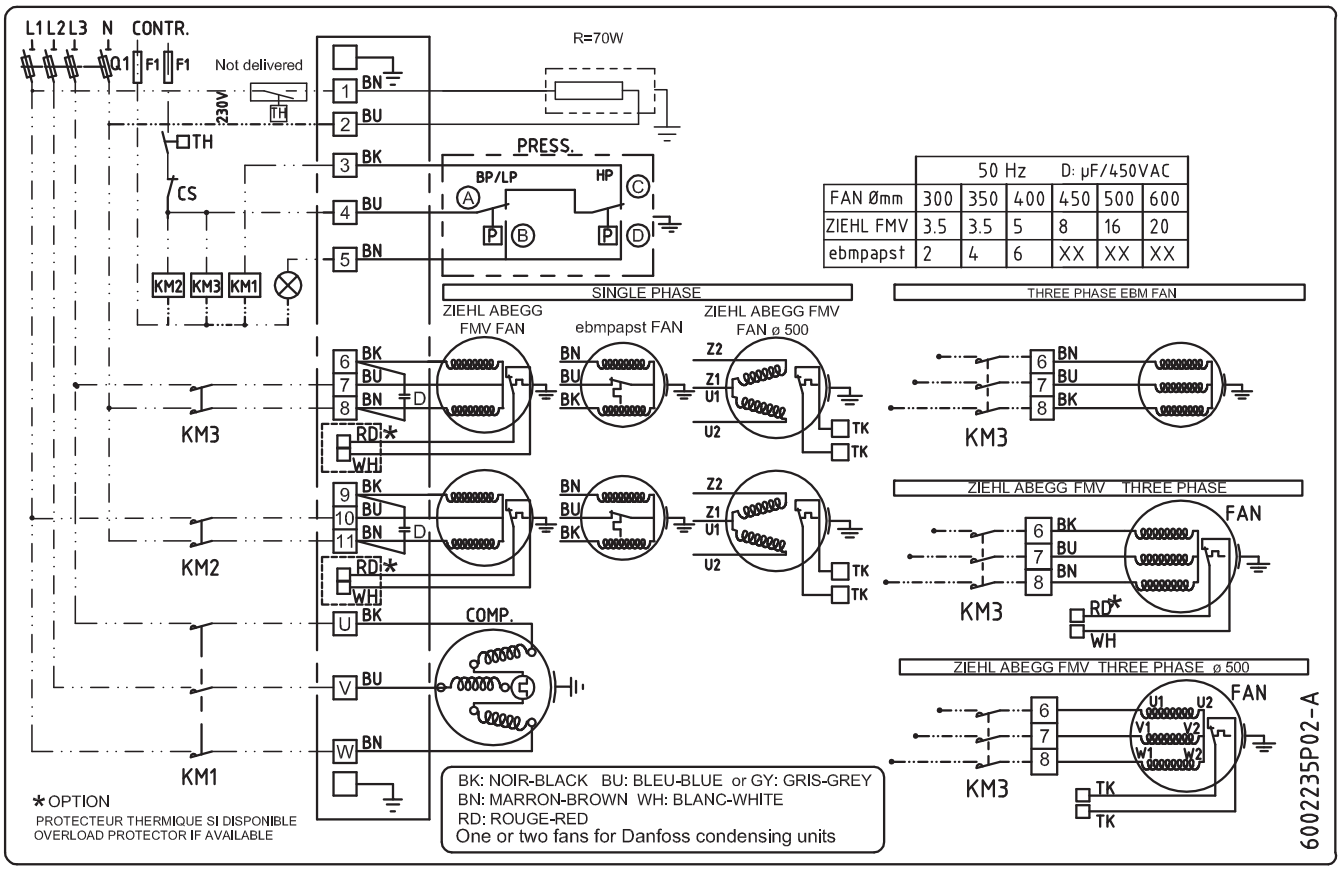


50 Hz		
COMPRESSOR MODEL	DISPLACEMENT cm³	A
		µF/450VAC
MLZ019	043	70
MLZ021	046	70
MLZ026	057	70
MLZ030	068	50
MLZ038	080	55

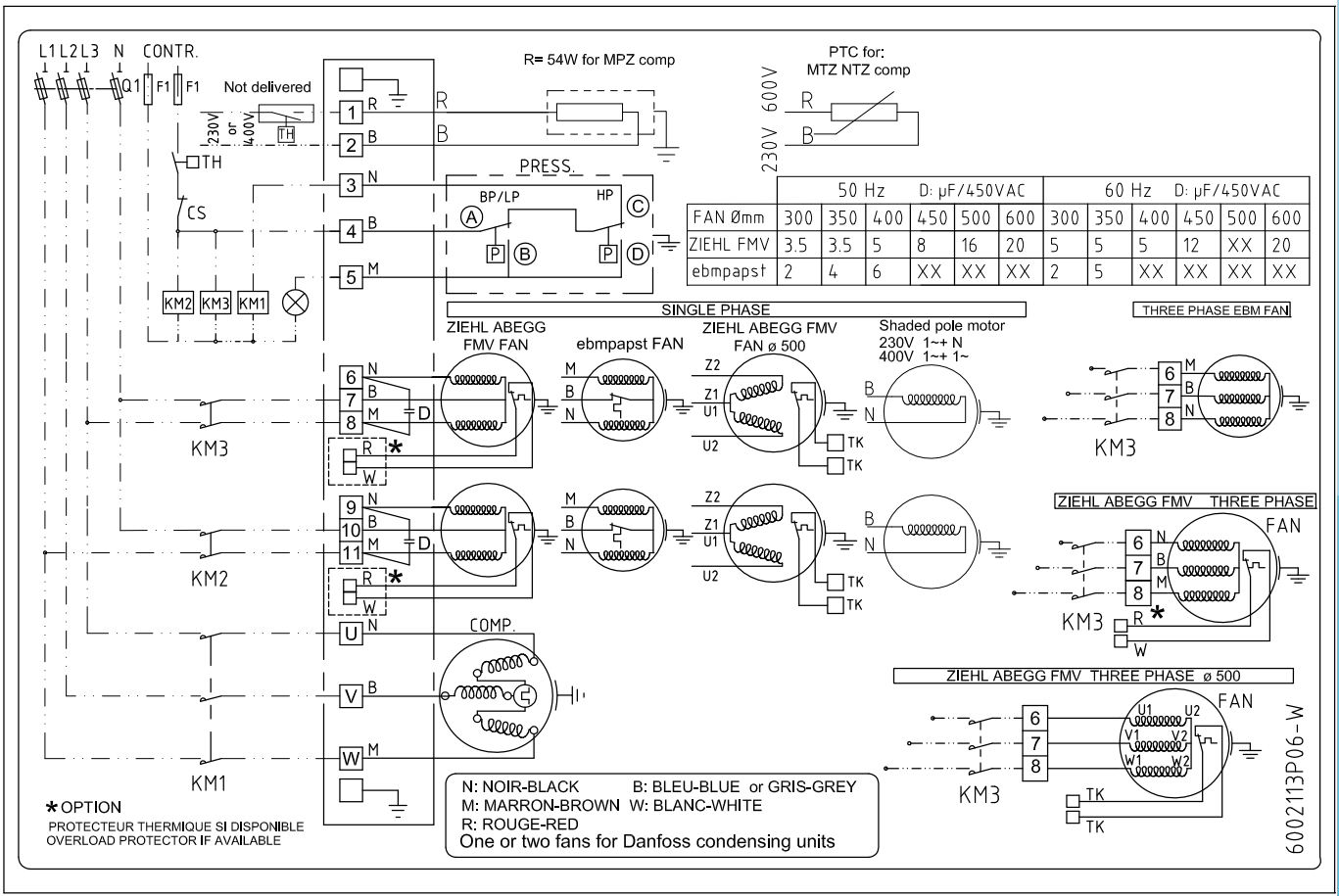
FAN DIAMETER	D (Capacitor Fan)			
	ZEIHL FMV		ebmpapst	
	µF/450VAC		µF/450VAC	
	50 Hz	60 Hz	50 Hz	60 Hz
300	3.5	5	2	2
350	3.5	5	4	5
400	5	5	6	X
450	12	12	X	X

6002235P01-A

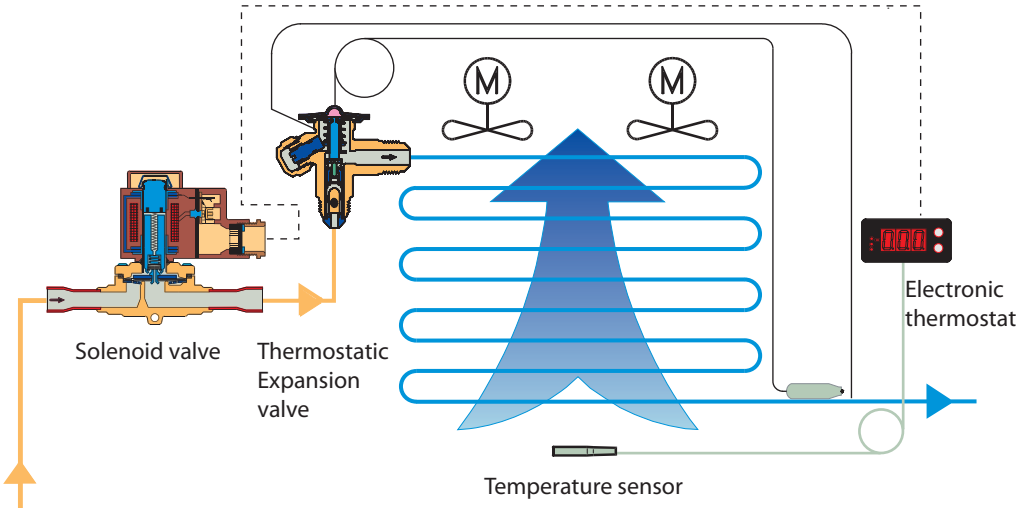
One or two fans for Danfoss condensing units

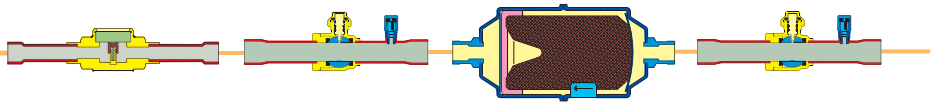


	50 Hz D: µF/450VAC					
FAN Ømm	300	350	400	450	500	600
ZIEHL FMV	3.5	3.5	5	8	16	20
ebmpapst	2	4	6	XX	XX	XX



	50 Hz D: µF/450VAC						60 Hz D: µF/450VAC					
FAN Ømm	300	350	400	450	500	600	300	350	400	450	500	600
ZIEHL FMV	3.5	3.5	5	8	16	20	5	5	5	12	XX	20
ebmpapst	2	4	6	XX	XX	XX	2	5	XX	XX	XX	XX

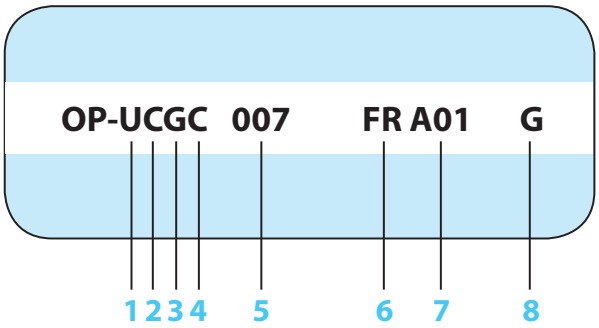

Solenoid valve
Thermostatic Expansion valve
Electronic thermostat
Temperature sensor


Sight glass
Ball valve
Filter drier
Ball valve
Condensing unit

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 cm³** **007 = 7.5 cm³**
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** **NL= NL** **GS= GS** **MT= MTZ** **FR= FR** **SC= SC** **NT= NTZ** **ML= MLZ**
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**
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 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.

Danfoss Variable Speed scroll compressors

Danfoss Air Conditioning scroll compressors

Danfoss Heat Pump scroll compressors

Maneurop® Variable Speed reciprocating compressors

Danfoss Refrigeration scroll compressors

Maneurop® Reciprocating Compressors

Optyma™ & Optyma Plus™ Condensing Units

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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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