ENGINEERING
TOMORROW

Catalogue

Optyma Plus™ New Generation

Plug and play solution

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

http://cc.danfoss.com

OPTYMA PLUS™
DANFOSS CONDENSING UNIT

Silent and outstanding performance

The Optyma Plus™ New Generation can be located even in residential areas. Smart compressor design, acoustic insulation and fan speed reduction during low capacity operation periods make the Optyma Plus™ the quitest solution today to respect your environment.

Effortless installation

Featuring a more compact design, reduced weight and simplified wiring, the Optyma Plus™ Plug & Play unit is among the fastest to install and easiest to service. All parameters are already set up, switch on the power, and the cooling process is up and running!

Increased efficiency and sustainable solutions

With the Optyma Plus™ New Generation substantial energy savings can be achieved thanks to the energy efficient components inside such as: optimized compressors, micro channel heat exchanger, high efficiency fan motors, fan speed and crank case heater control. You are going to reduce the energy consumption significantly and therefore, cut the energy bills.

The highest standard and quality

We provide 100% factory tested units to our customers with premium quality. We at Danfoss do not accept any compromise regarding reliability of our products. The Optyma Plus™ New Generation includes all the best of our condensing units.

Stock and logistics optimization

Multirefrigerant condensing units with optimized packaging cover a wide variety of applications and reduce your stock. Most of the Danfoss condensing units can be used with R404A/R507, R134a, pick what best fits your application.

Increase business opportunity with complete range of condensing units

Danfoss Optyma Plus™ extend your possibilities with new models for low and medium temperatures. Your cooling capacity has almost no limits.

Environmental friendly

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

Main product features

Electronic controller

Micro channel heat exchanger

3 access doors

Parameter monitoring and control

Electrical box IP54

On site stack mounting

Fully weather resistant

Plug and play

Compact design

Cooling capacity range (kW)

Conditions: +32˚C ambient temp., superheat 10K, subcooling 0K
MBP: -10 ˚C evaporating temp
LBP: -25 ˚C evaporating temp

* preliminary data, ongoing qualifications

Optyma Plus™ 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/F	-20°C to +10°C
MBP R134a	-15°C to +15°C

For further detailed information, please contact Danfoss.

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Sound power level dB(A)	Sound pressure level full sphere 10m dB(A)
							-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C		
	SH 10K	OP-LPHM018	114X3109	G	SC18CLX.2	27	370	500	650	830	1030	1270	1540	60	29
						32	320	440	580	750	940	1160	1410		
						38	270	370	500	650	820	1030	1260		
						43	220	310	430	570	730	910	1120		
		OP-LPHM026	114X3216	G	CAJ2446Z	27	500	700	1000	1250	1600	2000	2450	67	36
						32	450	650	850	1150	1450	1800	2200		
						38		550	750	1000	1250	1600	1950		
						43		450	650	850	1100	1400	1750		
		OP-LPHM048	114X3225	G	NTZ048	27	750	1150	1550	2050	2650	3300	4000	69	38
						32	650	1000	1400	1850	2350	2950	3600		
			114X3233	E		38	550	850	1200	1600	2050	2550	3150		
						43	450	700	1000	1350	1750				
		OP-LPHM074	114X3252	G	FH2511Z	27	1200	1650	2250	2950	3700	4550	5450	69	38
						32	1000	1450	1950	2600	3300	4050	4950		
			114X3253	E	TFH2511Z	38		1150	1650	2200	2800	3550	4300		
						43		950	1400	1900	2450	3100	3800		
		OP-LPHM068	114X3241	G	NTZ068	27	1350	1850	2450	3100	3850	4650	5550	70	39
						32	1150	1650	2150	2750	3450	4200	5050		
			114X3249	E		38	950	1350	1850	2400	3000	3650	4400		
						43	800	1200	1600	2100	2600				
		OP-LPHM096	114X3357	E	NTZ096	27	1650	2350	3150	4200	5400	6850	8500	72	41
						32	1450	2050	2800	3750	4900	6200	7750		
						38	1150	1700	2350	3200	4250	5450	6850		
						43	900	1400	2000	2750	3650				
		OP-LPHM136	114X3365	E	NTZ136	27	2550	3500	4650	5950	7500	9250	11200	73	42
						32	2250	3100	4100	5350	6750	8400	10200		
						38	1850	2600	3550	4600	5900	7350	8950		
						43	1500	2200	3050	4000	5150				
		OP-LPHM215	114X3476	E	LLZ024	27	4000	5100	6450	8000	9850	11950	14300	78	47
						32	3700	4700	5950	7400	9100	11000	13200		
						38	3300	4250	5350	6600	8150	9850	11850		
						43	2950	3800	4800	5950	7300	8850	10650		
		OP-LPHM271	114X3482	E	LLZ034	27	5500	6900	8550	10550	12800	15350	18200	78	47
						32	5000	6300	7850	9650	11700	14050	16650		
						38	4400	5600	6950	8550	10350	12450	14750		
						43	3850	4900	6150	7600	9200	11050	13100		

Test condition
Superheat 10K
Subcooling 0K

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

LLZ type compressor models are scroll compressors

Units can operate down to -45 evaporating temperature. Refer to dedicated Software or contact Danfoss for more details

Cooling capacity is given for units with 3-phase compressor. Capacity of single-phase versions is within +/- 1% of this value

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Power consumption (W) at evap. temp. -25°C	Dimensions (mm)				Suction line (in)	Liquid line (in)	Weight (kg)	
	Type	Airflow (m^3/h)	Int. volume (dm^3)	Fan blade Ø (mm)			Fig.	Height H (mm)	Width W (mm)	Depth D (mm)			Gross	Net
OP-LPHM018	A7	2200	0.4	1x365	1.3	720	1	650	906	356	3/8"	3/8"	63	51
OP-LPHM026	D7	3300	0.6	1x450	3.4	900	2	813	1055	430	1/2"	3/8"	84	75
OP-LPHM048	D7	3300	0.6	1x450	3.4	1450	2	813	1055	430	5/8"	3/8"	95	81
OP-LPHM074	D7	3300	0.6	1x450	3.4	2100	2	813	1055	430	5/8"	3/8"	98 94	89 85
OP-LPHM068	D7	3300	0.6	1x450	3.4	2150	2	813	1055	430	5/8"	3/8"	97	83
OP-LPHM096	G7	5200	1.8	1x500	6.2	2700	3	965	1406	481	7/8"	1/2"	150	124
OP-LPHM136	G7	5200	1.8	1x500	6.2	4200	3	965	1406	481	1-1/8"	1/2"	150	124
OP-LPHM215	J7	9500	2.5	2x500	10.0	4950	4	966	1800	600	1-1/8"	3/4"	220	177
OP-LPHM271	J7	9500	2.5	2x500	10.0	6700	4	966	1800	600	1-1/8"	3/4"	224	181

Power consumption referred at 32°C ambient temp.

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp °C	Cooling capacity range in (W) at evaporating temperature (°C)							Sound power level dB(A)	Sound pressure level full sphere 10m dB(A)
							-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C		
		OP-MPHM007	114X4101	G	NF 7MLX	27		540	680	840	1020	1240		60	29
						32		480	610	760	930	1130			
						38		420	530	660	820	1000			
						43		360	460	580	730	890			
		OP-MPHM010	114X4102	G	SC10MLX	27	570	730	920	1140	1410	1710		60	29
						32	510	650	820	1030	1270	1550			
						38	430	560	710	890	1110	1360			
						43		480	610	780	970				
		OP-MPHM012	114X4104	G	SC12MLX	27	700	890	1110	1380	1690	2060		60	29
						32	620	790	1000	1240	1530	1870			
						38	530	680	860	1080	1340	1640			
						43		590	750	940	1170				
		OP-MPHM015	114X4105	G	SC15MLX	27	870	1100	1370	1690	2070	2510		60	29
						32	770	980	1230	1540	1890	2300			
						38	660	850	1070	1340	1660	2040			
						43		730	940	1180	1470				
		OP-MPHM018	114X4109	G	SC18MLX	27	1010	1280	1590	1970	2410	2920		60	29
						32	900	1140	1440	1790	2200	2670			
						38	770	990	1250	1560	1930	2370			
						43		860	1090	1370	1710				
		OP-MPHM024	114X4200	G	CAJ9513Z	27	1400	1800	2300	2800	3400	4100	4800	67	36
						32	1250	1650	2050	2550	3100	3700	4400		
						38	1100	1400	1800	2250	2750	3300	3900		
						43		1250	1600	2000	2450	2950	3500		
		OP-MPHM026	114X4212	G	CAJ4517Z	27	1600	2050	2500	3100	3700	4400	5150	67	36
						32	1400	1800	2300	2800	3400	4000	4700		
			114X4213	E	TAJ4517Z	38	1200	1550	2000	2450	3000	3550	4200		
						43		1350	1750	2200	2650	3200	3750		
		OP-MPHM034	114X4226	G	CAJ4519Z	27	2000	2550	3100	3750	4450	5250	6100	67	36
						32	1800	2300	2800	3400	4100	4800	5600		
			114X4227	E	TAJ4519Z	38	1550	2000	2500	3000	3600	4250	4950		
						43		1750	2200	2700	3250	3800	4450		
	SH 10K	OP-MPUM034	114X4261	G	MLZ015	27	2500	3100	3750	4450	5250	6150	7100	68	37
						32	2250	2800	3400	4050	4800	5650	6550		
			114X4264	E		38	1950	2400	2950	3600	4250	5000	5800		
						43	1650	2100	2600	3150	3750	4450	5200		
		OP-MPUM046	114X4281	G	MLZ021	27	3400	4100	4950	5850	6800	7900	9100	68	37
						32	3100	3750	4500	5350	6250	7250	8400		
			114X4284*	E		38	2750	3350	4000	4750	5550	6500	7500		
						43	2400	2950	3550	4200	4950	5800			
		OP-MPUM057	114X4290	G	MLZ026	27	4100	4900	5850	6900	8000	9200	10500	68	37
						32	3700	4500	5350	6250	7300	8400	9600		
			114X4293	E		38	3200	3900	4650	5500	6450	7450	8550		
						43	2800	3400	4100	4850	5700	6600			
		OP-MPUM068	114X4308	G	MLZ030	27	5400	6600	7950	9500	11200	13100	15200	69	38
						32	4950	6050	7300	8750	10350	12150	14100		
			114X4311	E		38	4400	5400	6550	7850	9300	10950	12800		
						43	3900	4800	5850	7050	8400	9900	11600		
		OP-MPUM080	114X4321	G	MLZ038	27	6300	7700	9250	11000	12950	15100	17500	69	38
						32	5800	7050	8500	10150	11950	13950	16200		
			114X4324	E		38	5100	6250	7550	9050	10700	12550	14600		
						43	4550	5600	6750	8100	9600	11300	13200		
		OP-MPUM108	114X4344	E	MLZ048	27	8000	9700	11600	13700	16000	18550	21350	69	38
						32	7300	8850	10600	12550	14700	17050	19700		
						38	6400	7800	9350	11100	13050	15200	17650		
						43	5600	6900	8300	9850	11650	13650			
		OP-MPUM125	114X4414	E	MLZ058	27	9750	11850	14400	17250	20400	23700	27150	75	44
						32	8750	10700	13050	15750	18650	21750	25000		
						38	7450	9250	11400	13800	16500	19350	22350		
						43	6250	7900	9900	12150	14600	17250	20050		
		OP-MPUM162	114X4434	E	MLZ076	27	12750	15350	18200	21300	24750	28550	32650	75	44
						32	11650	13950	16500	19300	22400	25850	29650		
						38	10250	12200	14400	16800	19450	22500	25850		
						43	9100	10750	12550	14600	16900	19550	22600		

Test condition
Superheat 10K
Subcooling 0K

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

MLZ type compressor models are scroll compressors

Cooling capacity is given for units with 3-phase compressor. Capacity of single-phase versions is within +/- 1% of this value.
*Certified performance - Asercom

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Power consumption (W) at evap. temp.		Dimensions (mm)				Suction line (in)	Liquid line(in)	Weight (kg)	
	Type	Air flow (m^3/h)	Int. volume (dm^3)	Fan blade Ø (mm)		-10°C	+5°C	Fig.	Height H (mm)	Width W (mm)	Depth D (mm)			Gross	Net
OP-MPHM007	A7	2200	0.4	1x365	1.3	460	530	1	650	906	356	3/8"	1/4"	60	48
OP-MPHM010	A7	2200	0.4	1x365	1.3	570	680	1	650	906	356	3/8"	1/4"	63	51
OP-MPHM012	A7	2200	0.4	1x365	1.3	660	800	1	650	906	356	3/8"	3/8"	63	51
OP-MPHM015	A7	2200	0.4	1x365	1.3	830	1020	1	650	906	356	3/8"	3/8"	63	51
OP-MPHM018	A7	2200	0.4	1x365	1.3	910	1120	1	650	906	356	3/8"	3/8"	63	51
OP-MPHM024	D7	3300	0.6	1x450	3.4	1050	1300	2	813	1055	430	5/8"	3/8"	84	75
OP-MPHM026	D7	3300	0.6	1x450	3.4	1250	1550	2	813	1055	430	5/8"	3/8"	84	75
OP-MPHM034	D7	3300	0.6	1x450	3.4	1550	2000	2	813	1055	430	5/8"	3/8"	85	76
OP-MPUM034	D7	3300	0.6	1x450	3.4	1700	1750	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM046	D7	3300	0.6	1x450	3.4	2300	2550	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM057	D7	3300	0.6	1x450	3.4	3050	3450	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM068	G7	5200	1.8	1x500	6.2	3200	3450	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM080	G7	5200	1.8	1x500	6.2	3850	4250	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM108	G7	5200	1.8	1x500	6.2	5250	5850	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM125	J7	9500	2.5	2x500	10.0	6150	6800	4	966	1800	600	1-1/8"	3/4"	220	177
OP-MPUM162	J7	9500	2.5	2x500	10.0	8200	9350	4	966	1800	600	1-1/8"	3/4"	220	177

Power consumption referred at 32°C ambient temp

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C)							Sound power level dB(A)	Sound pressure level full sphere 10m dB(A)
							-15°C	-10°C	-5°C	0°C	+5°C	+10°C	+15°C		
	SH 10K	OP-MPGM033	114X4220	G	CAJ4511Y	27	1470	1870	2330	2850	3440	4100		67	36
						32	1350	1730	2170	2660	3220	3850			
						38	1200	1560	1970	2430	2960	3540			
						43	1080	1420	1800	2240	2730	3280			
		OP-MPUM034	114X4261	G	MLZ015	27	1800	2300	2850	3500	4200	5050	5950	68	37
						32	1700	2150	2700	3300	4000	4800	5650		
			114X4264	E		38	1600	2000	2500	3100	3750	4500	5350		
						43		1900	2350	2900	3500	4250	5050		
		OP-MPUM046	114X4281	G	MLZ021	27	2450	3100	3800	4650	5600	6650	7800	68	37
						32	2350	2900	3600	4400	5300	6300	7450		
			114X4284	E		38	2150	2700	3350	4100	4950	5900	6950		
						43		2500	3150	3850	4650	5550	6550		
		OP-MPUM057	114X4290	G	MLZ026	27	2950	3750	4600	5600	6700	7950	9300	68	37
						32	2800	3500	4350	5300	6350	7550	8850		
			114X4293	E		38	2600	3250	4050	4900	5900	7050	8250		
						43	2400	3050	3750	4600	5550	6600	7750		
		OP-MPUM068	114X4308	G	MLZ030	27	3750	4700	5850	7150	8650	10400	12300	69	38
						32	3550	4450	5550	6800	8250	9900	11750		
			114X4311	E		38	3300	4150	5150	6350	7750	9300	11050		
						43	3100	3900	4850	6000	7300	8750	10450		
		OP-MPUM080	114X4321	G	MLZ038	27	4350	5500	6800	8350	10050	12000	14200	69	38
						32	4100	5200	6450	7900	9550	11450	13500		
			114X4324	E		38	3800	4800	6000	7400	8950	10700	12700		
						43	3550	4500	5650	6950	8400	10100	12000		
		OP-MPUM108	114X4344	E	MLZ048	27	5700	7100	8800	10750	12900	15300	17900	69	38
						32	5350	6700	8300	10150	12250	14550	17050		
						38	4950	6200	7700	9450	11400	13600	15950		
						43	4600	5800	7200	8850	10700	12750	15050		
		OP-MPUM125	114X4414	E	MLZ058	27	6900	8650	10700	13000	15600	18500	21750	75	44
						32	6500	8150	10100	12300	14800	17600	20700		
						38	5950	7550	9400	11500	13850	16500	19450		
						43	5500	7050	8800	10750	13000	15550	18350		
		OP-MPUM162	114X4434	E	MLZ076	27	8750	11000	13550	16450	19700	23300	27300	75	44
						32	8250	10350	12800	15550	18650	22150	25950		
						38	7600	9600	11850	14450	17400	20700	24350		
						43	7100	8950	11050	13550	16300	19450	22900		

Test condition
Superheat 10K
Subcooling 0K

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

MLZ type compressor models are scroll compressors

Cooling capacity is given for units with 3-phase compressor. Capacity of single-phase versions is within +/- 1% of this value

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Power consumption (W) at evap. temp.		Dimensions (mm)				Suction line (in)	Liquid line (in)	Weight (kg)	
	Type	Air flow (m^3/h)	Int. volume (dm^3)	Fan blade Ø (mm)		-10°C	+5°C	Fig.	Height H (mm)	Width W (mm)	Depth D (mm)			Gross	Net
OP-MPGM033	D7	3300	0.6	1x450	3.4	840	1100	2	813	1055	430	5/8"	3/8"	85	76
OP-MPUM034	D7	3300	0.6	1x450	3.4	1000	1050	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM046	D7	3300	0.6	1x450	3.4	1300	1450	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM057	D7	3300	0.6	1x450	3.4	1600	1850	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM068	G7	5200	1.8	1x500	6.2	1850	2000	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM080	G7	5200	1.8	1x500	6.2	2250	2450	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM108	G7	5200	1.8	1x500	6.2	2800	3150	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM125	J7	9500	2.5	2x500	10.0	3550	3950	4	966	1800	600	1-1/8"	3/4"	220	177
OP-MPUM162	J7	9500	2.5	2x500	10.0	4600	5200	4	966	1800	600	1-1/8"	3/4"	220	177

Power consumption referred at 32°C ambient temp

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C) -20°C	-15°C	-10°C	-5°C	+0°C	+5°C	+10°C	Sound power level dB(A)	Sound pressure level full sphere 10m dB(A)
	SH 10K	OP-MPUM034	114X4261	G	MLZ015	27	2300	2850	3550	4300	5200	6200	7350	68	37
						32	2100	2650	3300	4000	4850	5800	6900		
			114X4264	E		38	1850	2350	2950	3650	4450	5300	6350		
						43		2150	2700	3300	4050	4900	5850		
		OP-MPUM046	114X4281	G	MLZ021	27	2950	3700	4550	5550	6600	7850	9150	68	37
						32	2700	3400	4250	5150	6200	7300	8550		
			114X4284	E		38	2400	3100	3850	4700	5650	6700	7850		
						43		2750	3450	4250	5150	6150			
		OP-MPUM057	114X4290	G	MLZ026	27	3600	4500	5500	6650	7900	9300	10800	68	37
						32	3300	4150	5100	6150	7350	8650	10050		
			114X4293	E		38	2900	3700	4600	5550	6650	7850	9150		
						43		3300	4150	5050	6050	7150			
		OP-MPUM068	114X4308	G	MLZ030	27	4800	5950	7350	8950	10800	12850	15200	69	38
						32	4500	5550	6850	8350	10100	12050	14300		
			114X4311	E		38	4150	5100	6300	7650	9250	11100	13200		
						43		4750	5850	7100	8600	10300	12250		
		OP-MPUM080	114X4321	G	MLZ038	27	5500	6800	8350	10150	12250	14550	17150	69	38
						32	5150	6350	7800	9500	11450	13650	16100		
			114X4324	E		38	4750	5850	7150	8700	10500	12550	14850		
						43		5450	6650	8050	9700	11600	13800		
		OP-MPUM108	114X4344	E	MLZ048	27	7050	8900	11000	13350	16000	18900	22100	69	38
						32	6400	8100	10100	12350	14850	17600	20650		
						38	5600	7200	9000	11100	13450	16000	18900		
						43		6350	8100	10050	12200	14650			
		OP-MPUM125	114X4414	E	MLZ058	27	8400	10500	12950	15750	18900	22350	26200	75	44
						32	7750	9750	12050	14650	17650	20950	24550		
						38	6900	8800	10900	13350	16100	19150	22550		
						43		7950	9950	12200	14750	17650	20800		
		OP-MPUM162	114X4434	E	MLZ076	27	10350	13050	16200	19750	23650	28000	32750	75	44
						32	9350	11950	14900	18250	21950	26100	30600		
						38	8150	10550	13300	16400	19850	23700	27900		
						43		9350	11900	14800	18050	21650			

Test condition
Superheat 10K
Subcooling 0K

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

MLZ type compressor models are scroll compressors

Cooling capacity is given for units with 3-phase compressor. Capacity of single-phase versions is within +/- 1% of this value
* preliminary data

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Power consumption (W) at evap. temp.		Dimensions (mm)				Suction line (in)	Liquid line (in)	Weight (kg)	
	Type	Air flow (m^3/h)	Int. volume (dm^3)	Fan blade Ø (mm)		-10°C	+5°C	Fig.	Height H (mm)	Width W (mm)	Depth D (mm)			Gross	Net
OP-MPUM034	D7	3300	0.6	1x450	3.4	1500	1700	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM046	D7	3300	0.6	1x450	3.4	2200	2650	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM057	D7	3300	0.6	1x450	3.4	2850	3550	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM068	G7	5200	1.8	1x500	6.2	2850	3150	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM080	G7	5200	1.8	1x500	6.2	3350	3750	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM108	G7	5200	1.8	1x500	6.2	5050	5800	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM125	J7	9500	2.5	2x500	10.0	5550	6350	4	966	1800	600	1-1/8"	3/4"	220	177
OP-MPUM162	J7	9500	2.5	2x500	10.0	7600	8850	4	966	1800	600	1-1/8"	3/4"	220	177

Power consumption referred at 32°C ambient temp

Fan	Test conditions	Unit	Code	Electrical code	Compressor	Amb. temp. °C	Cooling capacity range in (W) at evaporating temperature (°C) -20°C	-15°C	-10°C	-5°C	+0°C	+5°C	+10°C	Sound power level dB(A)	Sound pressure level full sphere 10m dB(A)
	SH 10K	OP-MPUM034	114X4261	G	MLZ015	27	2450	3050	3750	4600	5500	6600	7750	68	37
						32	2250	2850	3500	4300	5150	6200	7300		
			114X4264	E		38		2550	3200	3900	4750	5650	6700		
						43									
		OP-MPUM046	114X4281	G	MLZ021	27	3150	3950	4850	5900	7050	8300	9650	68	37
						32	2900	3650	4550	5500	6550	7750	9050		
			114X4284	E		38		3300	4100	5000	6000				
						43									
		OP-MPUM057	114X4290	G	MLZ026	27	3850	4800	5850	7050	8400	9800	11350	68	37
						32	3550	4450	5450	6550	7800	9150	10600		
			114X4293	E		38			4900	5950	7050				
						43									
		OP-MPUM068	114X4308	G	MLZ030	27	5150	6400	7850	9500	11400	13600	16000	69	38
						32	4850	6000	7350	8900	10750	12800	15100		
			114X4311	E		38		5550	6800	8250	9900	11800	14000		
						43									
		OP-MPUM080	114X4321	G	MLZ038	27	5900	7300	8900	10800	12950	15350	18050	69	38
						32	5550	6850	8350	10150	12150	14450	17000		
			114X4324	E		38		6350	7700	9350	11200	13350	15750		
						43									
		OP-MPUM108	114X4344	E	MLZ048	27	7550	9500	11700	14150	16900	19950	23250	69	38
						32	6900	8700	10800	13100	15750	18600	21750		
						38		7750	9650	11850	14300				
						43									
		OP-MPUM125	114X4414	E	MLZ058	27	9000	11250	13800	16750	20000	23600	27600	75	44
						32	8350	10450	12900	15650	18700	22150	25900		
						38		9500	11750	14300	17150	20350	23850		
						43									
		OP-MPUM162	114X4434	E	MLZ076	27	11050	13950	17250	20900	25000	29500	34400	75	44
						32	10050	12800	15900	19400	23300	27550	32200		
						38		11350	14250	17500	21100				
						43									

Test condition
Superheat 10K
Subcooling 0K

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

MLZ type compressor models are scroll compressors

Cooling capacity is given for units with 3-phase compressor. Capacity of single-phase versions is within +/- 1% of this value
*preliminary data

Unit	Condenser coil			Condenser fan	Receiver volume (L)	Power consumption (W) at evap. temp.		Dimensions (mm)				Suction line (in)	Liquid line (in)	Weight (kg)	
	Type	Air flow (m^3/h)	Int. volume (dm^3)	Fan blade Ø (mm)		-10°C	+5°C	Fig.	Height H (mm)	Width W (mm)	Depth D (mm)			Gross	Net
OP-MPUM034	D7	3300	0.6	1x450	3.4	1600	1850	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM046	D7	3300	0.6	1x450	3.4	2400	2900	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM057	D7	3300	0.6	1x450	3.4	3150	3900	2	813	1055	430	3/4"	1/2"	104	90
OP-MPUM068	G7	5200	1.8	1x500	6.2	3050	3400	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM080	G7	5200	1.8	1x500	6.2	3600	4050	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM108	G7	5200	1.8	1x500	6.2	5500	6400	3	965	1406	481	7/8"	5/8"	156	130
OP-MPUM125	J7	9500	2.5	2x500	10.0	6000	6900	4	966	1800	600	1-1/8"	3/4"	220	177
OP-MPUM162	J7	9500	2.5	2x500	10.0	8250	9600	4	966	1800	600	1-1/8"	3/4"	220	177

Power consumption referred at 32°C ambient temp

Electrical characteristics - 230V/1phase/50Hz

Unit	Wiring diagram	LRA compressor (A) 230 V/ 1 phase	MCC compressor (A) 230 V/ 1 phase	Max cont. power consumption (kW)	MCC Fan (A) 230 V/ 1 phase	Fan Power (W)
OP-LPHM018	WD1	23.5	5.3	1.07	0.32	1x25
OP-LPHM026	WD3	29	7.9	1.31	0.47	1x68
OP-LPHM048		37	11	2.19		
OP-LPHM074		81	24	3.45		
OP-LPHM068		53	17	3.62		

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

Electrical characteristics - 400V/3phase/50Hz

Unit	Wiring diagram	LRA compressor (A) 400 V/ 3phase	MCC compressor (A) 400 V/ 3phase	Max cont. power consumption (kW)	MCC Fan (A) 230 V/ 1 phase	Fan Power (W)
OP-LPHM048	WD5	16	4.8	2.28	0.47	1x68
OP-LPHM074		28	7.2	3.34		
OP-LPHM068		25	8.4	3.57		
OP-LPHM096		32	10.1	4.53	0.97	1x130
OP-LPHM136		51	14.3	6.87		
OP-LPHM215	WD6	95	21	7.96	2 x 0.97	2 x 130
OP-LPHM271		150	26	11.10		

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

Spare parts

Unit	Filter drier		Sight glass		Suction valve		Liquid valve		High Pressure switch		Low Pressure switch	
OP-LPHM018	DML083 DCL083	023Z5040 023Z5005	SGP 10s N	014L0182	GBC 10s	009G7051	GBC10s	009G7051	ACB-2UB463W	118U3718	ACB-2UA418W	118U3720
OP-LPHM026	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC 12s	009G7052	GBC10s	009G7051				
OP-LPHM048	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC 16s	009G7053	GBC10s	009G7051				
OP-LPHM074	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC 16s	009G7053	GBC10s	009G7051				
OP-LPHM068	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC 16s	009G7053	GBC10s	009G7051				
OP-LPHM096	DML164 DCL164	023Z5044 023Z5009	SGP 12 N	014L0173	GBC 22s	009G7055	GBC 12s	009G7052				
OP-LPHM136	DML164 DCL164	023Z5044 023Z5009	SGP 12 N	014L0173	GBC 28s	009G7056	GBC 12s	009G7052				
OP-LPHM215	DML166 DCL166	023Z5046 023Z5011	SGP 19 N	014L0175	GBC 28s	009G7056	GBC 18s	009G7054				
OP-LPHM271	DML166 DCL166	023Z5046 023Z5011	SGP 19 N	014L0175	GBC 28s	009G7056	GBC 18s	009G7054				

Spare parts

Unit	Receiver (L)		Fan capacitor (µF)		Fan motor (W) (capacitor not included)		Fan blade (mm)		Fan grill		Condenser	Optyma Plus™ Controller
OP-LPHM018	1.3	118U3474	1.8	118U3296	25	118U3477	365	118U3480	H1	118U3483	118U3492	
OP-LPHM026	3.4	118U3475	3.5	118U3297	68	118U3823 *	450	118U3481	H2	118U3484	118U3493	
OP-LPHM048												
OP-LPHM074												
OP-LPHM068												118U3465
OP-LPHM096	6.2	118U3476	5	included	130	Full fan assembly** 118U3829 (500 mm)			H3	118U3485	118U3494	
OP-LPHM136												
OP-LPHM215	10	118U3716									118U3717	
OP-LPHM271												

*Fan motor should be replaced with the old one 118U3478 (75 W) for the unit with serial number up to xxxxxxCG5212 produced before December 2012
**For H3 and H4 models produced before the 26th week of 2014 fan parts are the following:
Fan capacitor - 118U3298 (6 µF)
Fan motor - 118U3479 (130 W)
Fan blade - 118U3833 (f24")

Spare parts

Unit	Crankcase heater		Temperature sensor (suction & ambient)		Discharge temperature sensor		Discharge pressure transmitter		Suction pressure transmitter	
OP-LPHM018	Belt 50 W	120Z0057	AKS11	084N0003	AKS21A	084N2007	AKS 32R 0...32 bar	118U3722	AKS 32R -1...12 bar	118U3721
OP-LPHM026										
OP-LPHM048	PTC 35 W	120Z0459								
OP-LPHM074										
OP-LPHM068										
OP-LPHM096										
OP-LPHM136										
OP-LPHM215	Belt 70W	120Z5040								
OP-LPHM271										

Adap-Kool accessories

External Display & Setting	EKA164B	084B8575
Cable for EKA Displays 6m	EKA Accessory	084B7299
Mounting Kit for EKA Display	EKA Accessory	084B8584
MODBUS Communication Module	EKA178B	084B8571
LON-Bus Communication Module	EKA175	084B8579
Programming Key	EKA183A	084B8582

Electrical characteristics - 230V/1phase/50Hz

Unit	Wiring diagram	LRA compressor (A) 230 V/ 1 phase	MCC compressor (A) 230 V/ 1 phase	Max cont. power consumption (kW)	MCC Fan (A) 230 V/ 1 phase	Fan Power (W)
OP-MPHM007	WD1	20	3.6	0.60	0.32	1x25
OP-MPHM010		18.4	4.8	0.78		
OP-MPHM012		23.4	5.7	0.93		
OP-MPHM015		23.5	6.2	1.17		
OP-MPHM018	WD3	23.6	6.1	1.28		
OP-MPHM024		33.5	10.2	1.75	0.47	1x68
OP-MPHM026		38.5	12.7	1.96		
OP-MPHM034		45	15.2	2.70		
OP-MPGM033		30	8.9	1.50		
OP-MPUM034	WD4	60	19	2.53		
OP-MPUM046		97	25	3.38		
OP-MPUM057		97	26	4.42		
OP-MPUM068		127	32	4.89	0.97	1x130
OP-MPUM080		130	38	5.77		

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

Electrical characteristics - 400V/3phase/50Hz

Unit	Wiring diagram	LRA compressor (A) 400 V/ 3phase	MCC compressor (A) 400 V/ 3phase	Max cont. power consumption (kW)	MCC Fan (A) 230 V/ 1 phase	Fan Power (W)
OP-MPHM026	WD2	18	4	2.05	0.47	1x68
OP-MPHM034		22	4.8	2.66		
OP-MPUM034	WD5	30	7	2.73		
OP-MPUM046		45	9.5	3.33		
OP-MPUM057		45	10	4.14		
OP-MPUM068		60	13	4.88	0.97	1x130
OP-MPUM080		70	15	5.78		
OP-MPUM108		87	16	7.55		
OP-MPUM125	WD6	95	20	9.39	2x0.97	2x130
OP-MPUM162		140	25	11.41		

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

Spare parts

Unit	Filter drier		Sight glass		Suction valve		Liquid valve		High Pressure switch		Low Pressure switch	
OP-MPHM007	DML082 DCL082	023Z5039 023Z5004	SGP 6s N	014L0181	GBC10s	009G7051	GBC6s	009G7050	ACB-2UB463W	118U3718	ACB-2UA418W	118U3720
OP-MPHM010	DML082 DCL082	023Z5039 023Z5004	SGP 6s N	014L0181	GBC10s	009G7051	GBC6s	009G7050				
OP-MPHM012	DML083 DCL083	023Z5040 023Z5005	SGP 10s N	014L0182	GBC10s	009G7051	GBC10s	009G7051				
OP-MPHM015	DML083 DCL083	023Z5040 023Z5005	SGP 10s N	014L0182	GBC10s	009G7051	GBC10s	009G7051				
OP-MPHM018	DML083 DCL083	023Z5040 023Z5005	SGP 10s N	014L0182	GBC10s	009G7051	GBC10s	009G7051				
OP-MPHM024	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC12s	009G7052	GBC10s	009G7051				
OP-MPHM026	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC12s	009G7052	GBC10s	009G7051				
OP-MPHM034	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC12s	009G7052	GBC10s	009G7051				
OP-MPGM033	DML083 DCL083	023Z5040 023Z5005	SGP 10 N	014L0172	GBC12s	009G7052	GBC10s	009G7051				
OP-MPUM034	DML084 DCL084	023Z5041 023Z5006	SGP 12 N	014L0173	GBC18s	009G7054	GBC12s	009G7052				
OP-MPUM046	DML084 DCL084	023Z5041 023Z5006	SGP 12 N	014L0173	GBC18s	009G7054	GBC12s	009G7052				
OP-MPUM057	DML084 DCL084	023Z5041 023Z5006	SGP 12 N	014L0173	GBC 18s	009G7054	GBC 12s	009G7052				
OP-MPUM068	DML165 DCL165	023Z5045 023Z5010	SGP 16 N	014L0174	GBC22s	009G7055	GBC16s	009G7053				
OP-MPUM080	DML165 DCL165	023Z5045 023Z5010	SGP 16 N	014L0174	GBC22s	009G7055	GBC16s	009G7053				
OP-MPUM108	DML165 DCL165	023Z5045 023Z5010	SGP 16 N	014L0174	GBC22s	009G7055	GBC16s	009G7053				
OP-MPUM125	DML166 DCL166	023Z5046 023Z5011	SGP 19 N	014L0175	GBC 28s	009G7056	GBC 18s	009G7054				
OP-MPUM162	DML166 DCL166	023Z5046 023Z5011	SGP 19 N	014L0175	GBC 28s	009G7056	GBC 18s	009G7054				

Spare parts

Unit	Receiver (L)		Fan capacitor (µF)		Fan motor (W) (capacitor not included)		Fan blade (mm)		Fan grill		Condenser	Optyma Plus™ controller
OP-MPHM007												
OP-MPHM010												
OP-MPHM012	1.3	118U3474	1.8	118U3296	25	118U3477	365	118U3480	H1	118U3483	118U3492	
OP-MPHM015												
OP-MPHM018												
OP-MPHM024												
OP-MPHM026												
OP-MPHM034												
OP-MPGM033	3.4	118U3475	3.5	118U3297	68	118U3823 *	450	118U3481	H2	118U3484	118U3493	118U3465
OP-MPUM034												
OP-MPUM046												
OP-MPUM057												
OP-MPUM068												
OP-MPUM080	6.2	118U3476									118U3494	
OP-MPUM108			5	included	130	Full fan assembly** 118U3829 (500 mm)			H3	118U3485		
OP-MPUM125	10	118U3716									118U3717	
OP-MPUM162												

*Fan motor should be replaced with the old one 118U3478 (75 W) for the unit with serial number up to xxxxxxCG5212 produced before December 2012
**For H3 and H4 models produced before the 26th week of 2014 fan parts are the following:
Fan capacitor - 118U3298 (6 µF)
Fan motor - 118U3479 (130 W)
Fan blade - 118U3833 (f24")

Spare parts

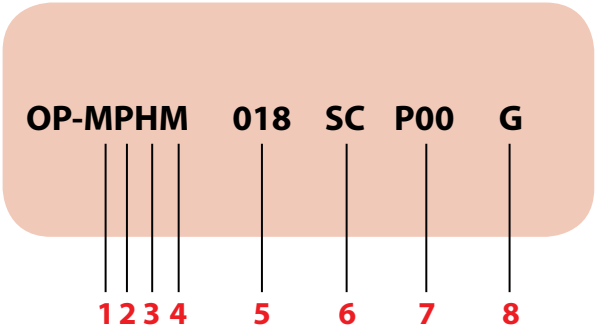
Unit	Crankase heater		Temperature sensor (suction & ambient)		Discharge temperature sensor		Discharge pressure transmitter		Suction pressure transmitter	
OP-MPHM007										
OP-MPHM010										
OP-MPHM012										
OP-MPHM015										
OP-MPHM018	Belt 50 W	120Z0057								
OP-MPHM024										
OP-MPHM026										
OP-MPHM034										
OP-MPGM033			AKS11	084N0003	AKS21A	084N2007	AKS 32R 0...32 bar	118U3722	AKS 32R -1...12 bar	118U3721
OP-MPUM034										
OP-MPUM046										
OP-MPUM057										
OP-MPUM068	Belt 70 W	120Z5040								
OP-MPUM080										
OP-MPUM108										
OP-MPUM125										
OP-MPUM162										

Adap-Kool accessories

External Display & Setting	EKA164B	084B8575
Cable for EKA Displays 6m	EKA Accessory	084B7299
Mounting Kit for EKA Display	EKA Accessory	084B8584
MODBUS Communication Module	EKA178B	084B8571
LON-Bus Communication Module	EKA175	084B8579
Programming Key	EKA183A	084B8582

Designation system for the Optyma Plus™ program

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



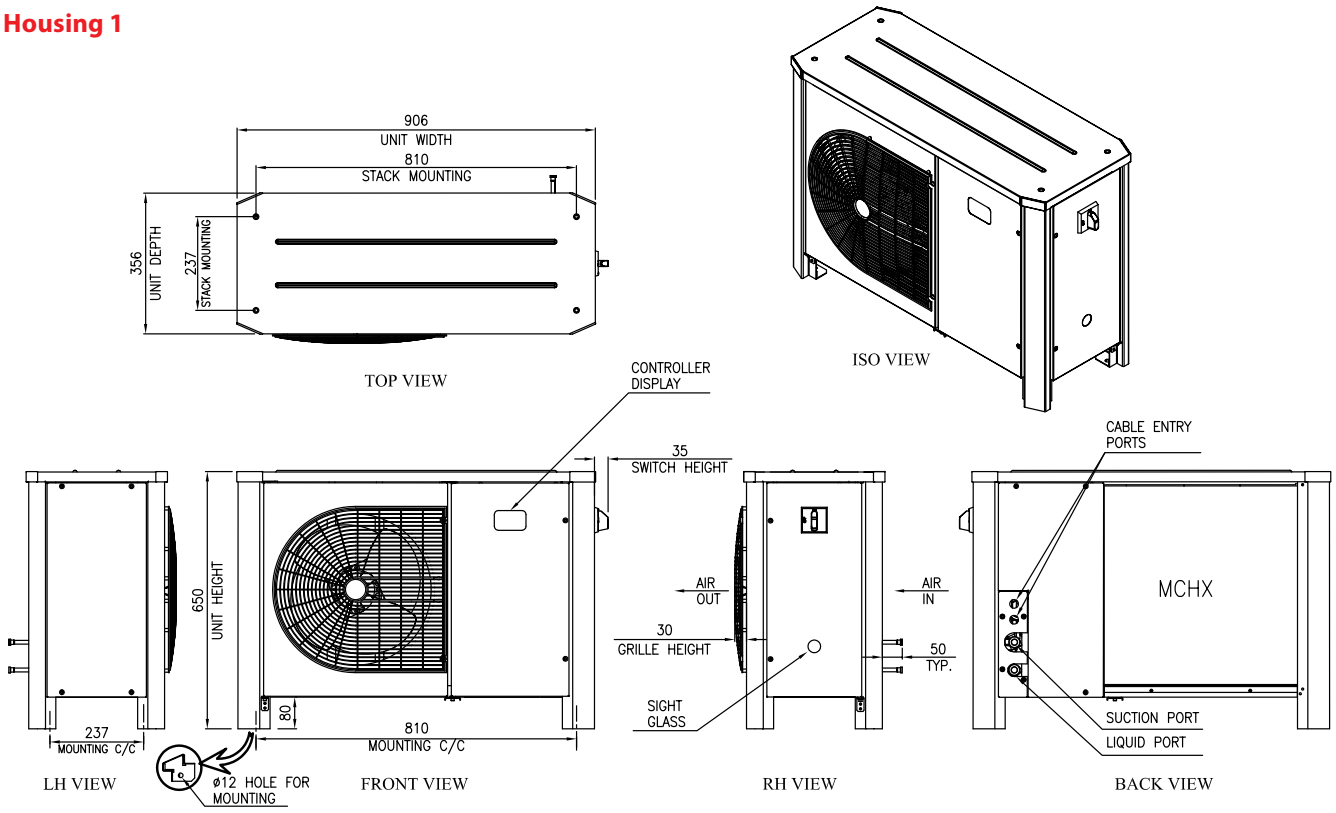
1 Application	L = LBP M = MBP
2 Family	P = Optyma Plus
3 Refrigerant	H = R404A/R507 G = R134a U = R404A, R134a, R507,R22,R407A/F
4 Condenser option	M = Standard with micro channel heat exchanger
5 Displacement	026 = 26 cm^3 171 = 171 cm^3
6 Compressor platform	AJ = CAJ, TAJ (reciprocating) FH = FH, TFH (reciprocating) NF = NF (reciprocating) NT = NTZ (reciprocating) SC = SC (reciprocating) ML = MLZ (scroll) LL = LLZ (scroll)
7 Version	P00
8 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

Select the right Danfoss Optyma Plus™ condensing unit according to your needs

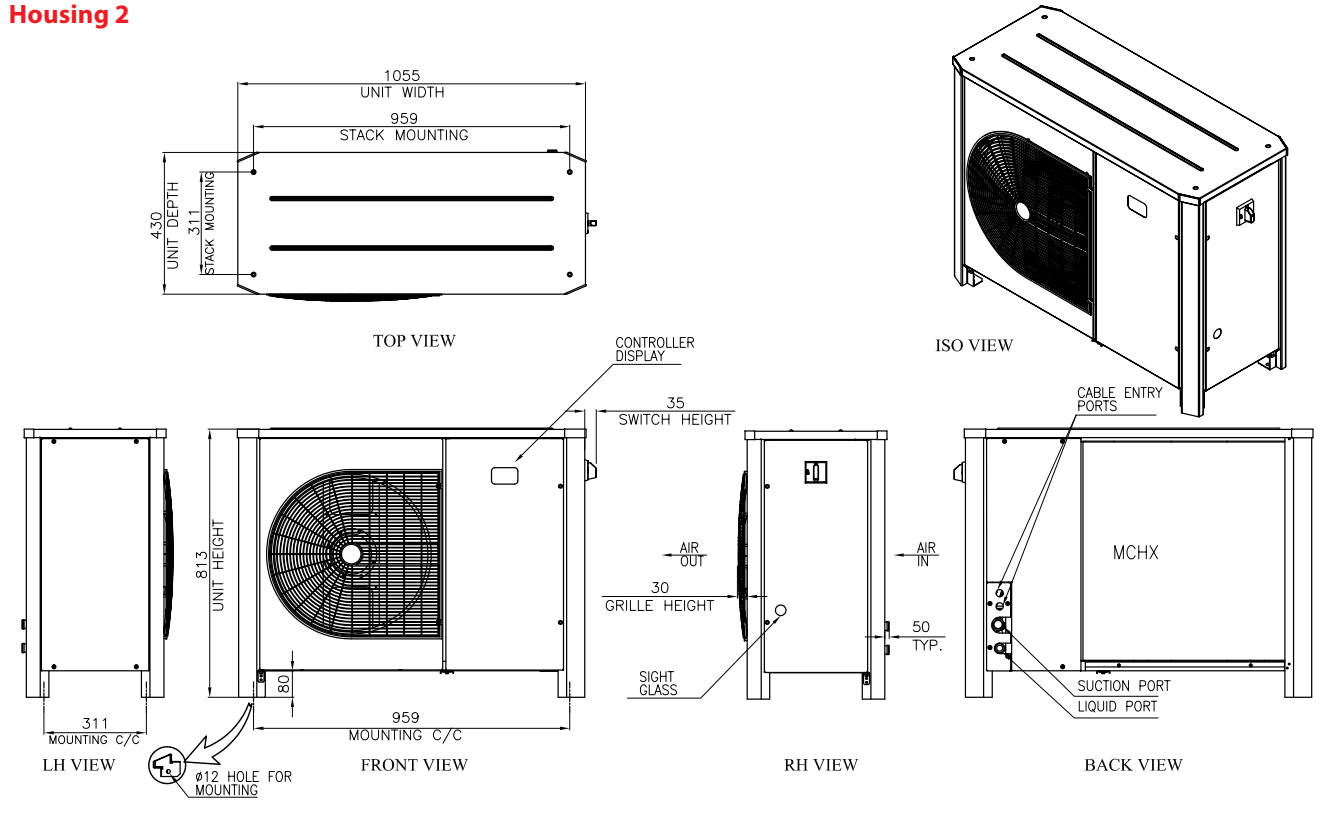
	Meat +1°C - 18h		Fish +1°C - 18h		Laboratory +12°C - 18h		Fruit & vegetables +8°C - 18h		Fruit & vegetables 0°C - 18h		Butter, eggs & cheese +5°C - 18h		Freezer -18°C - 16h	
	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]	Cap.* (W)	CR ** [m³]
MPHM007	680	4	680	4	930	6	930	11	680	4	760	5		
MPHM010	900	6	900	6	1 270	8	1 270	17	900	7	1 030	9		
MPHM012	1 090	8	1 090	8	1 530	10	1 530	25	1 090	8	1 240	12		
MPHM015	1 350	11	1 350	11	1 890	13	1 890	30	1 350	12	1 530	16		
MPHM018	1 570	14	1 570	14	2 200	15	2 200	40	1 570	14	1 790	20		
MPHM024	2 200	18	2 200	18	3 100	18	3 100	55	2 200	18	2 550	30		
MPHM026	2 500	20	2 500	20	3 400	20	3 400	65	2 500	20	2 800	35		
MPHM034	3 000	28	3 000	28	4 100	28	4 100	90	3 000	28	3 400	45		
MPUM034	3 700	45	3 700	45	4 800	40	4 800	120	3 700	45	4 050	65		
MPUM046	4 850	60	4 850	60	6 250	60	6 250	180	4 850	65	5 350	85		
MPUM057	5 500	75	5 500	75	7 300	75	7 300	210	5 500	75	6 250	110		
MPUM068	7 850	110	7 850	110	10 350	150	10 350	280	7 850	120	8 750	160		
MPUM080	9 100	140	9 100	140	11 950	180	11 950	350	9 100	140	10 150	200		
MPUM108	11 350	180	11 350	180	14 700	220	14 700	450	11 350	180	12 550	260		
MPUM125	14 200	240	14 200	240	18 650	280	18 650	580	14 200	230	15 750	340		
MPUM162	17 800	340	17 800	340	22 400	360	22 400	750	17 800	300	19 300	450		
LPHM018													750	3
LPHM026													1 150	6
LPHM048													1 850	16
LPHM074													2 600	22
LPHM068													2 750	30
LPHM096													3 750	45
LPHM136													5 350	70
LPHM215													7 400	85
LPHM271													9 550	100

Data refers to +32°C ambient temperature
Refer to Danfoss for different working conditions
Application - Cold Room Temperature - Daily working hours
* Cooling capacity at 32°C amb temp.
** Volume of cold room

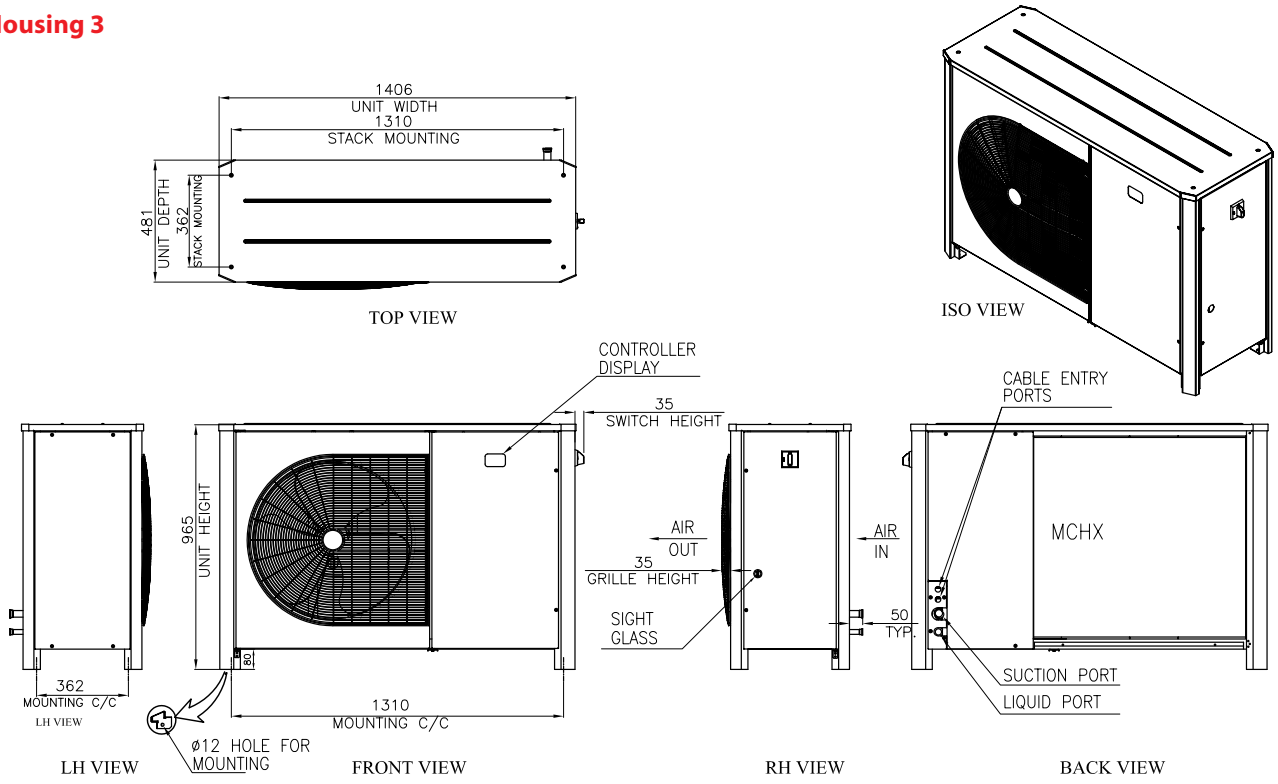
Housing 1



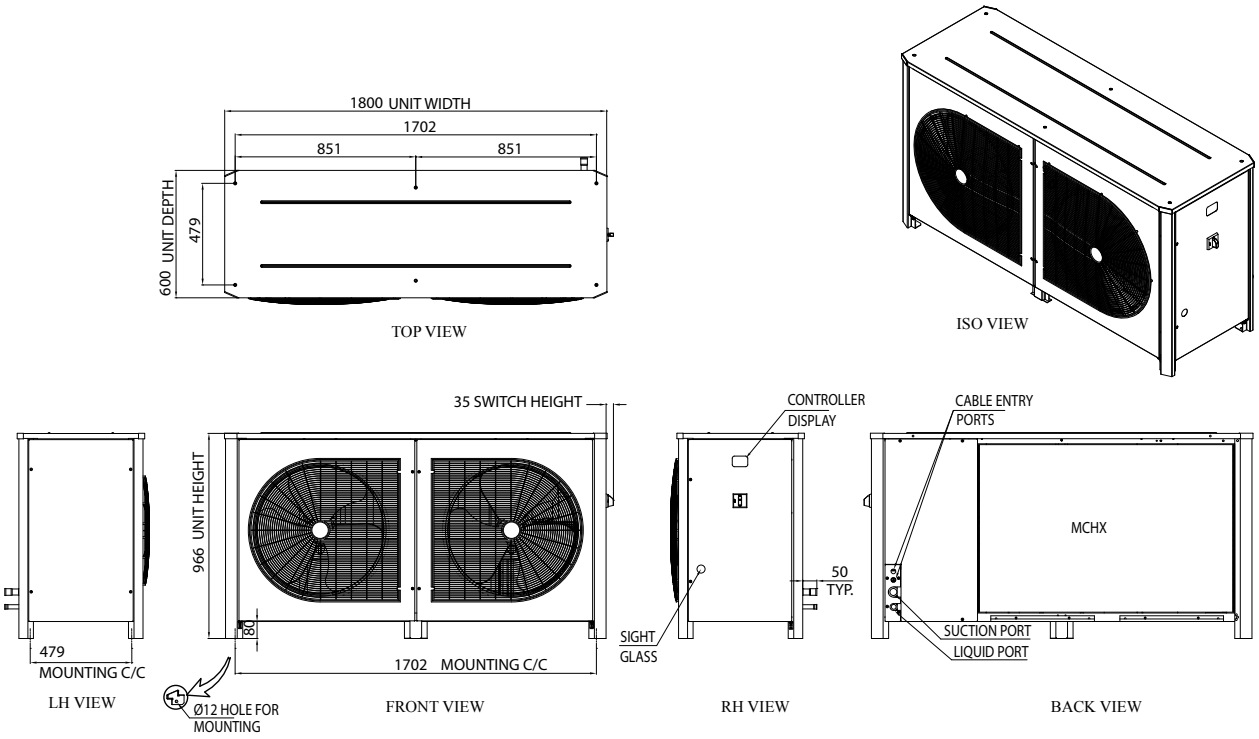
Housing 2



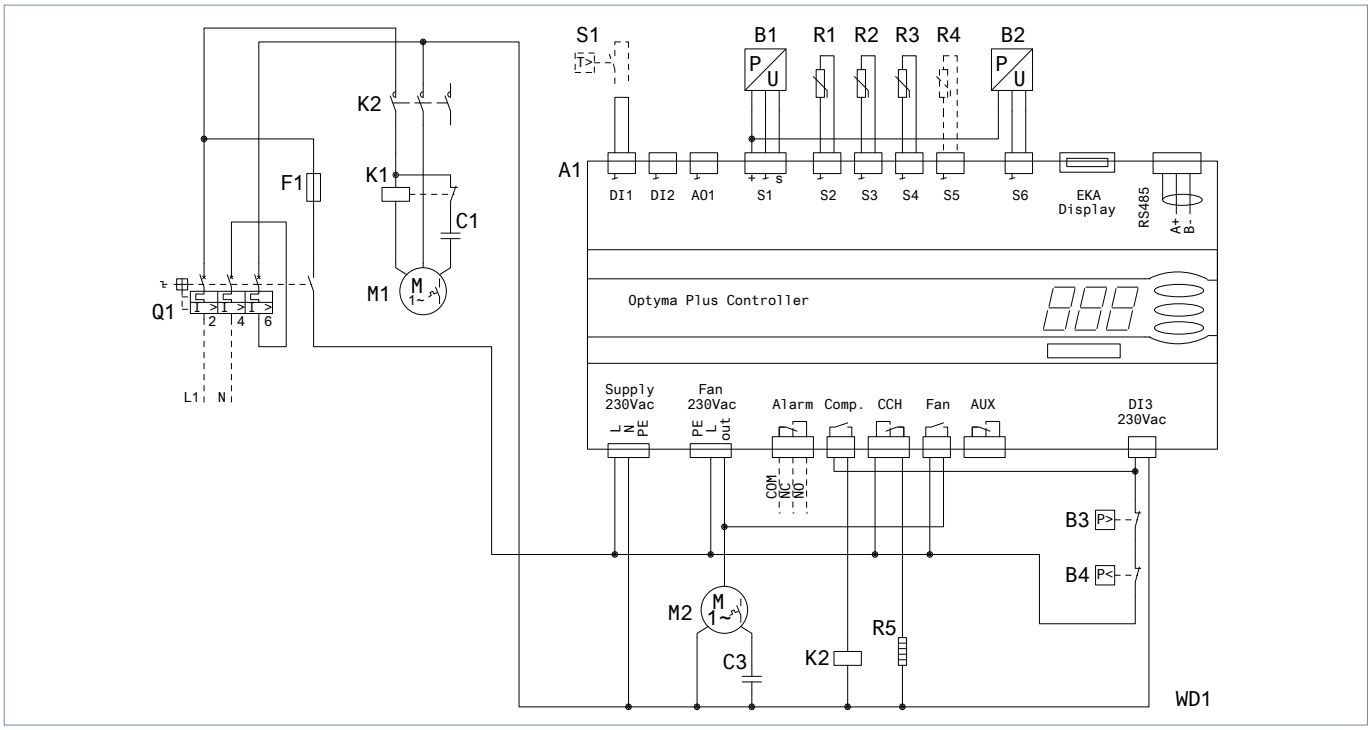
Housing 3



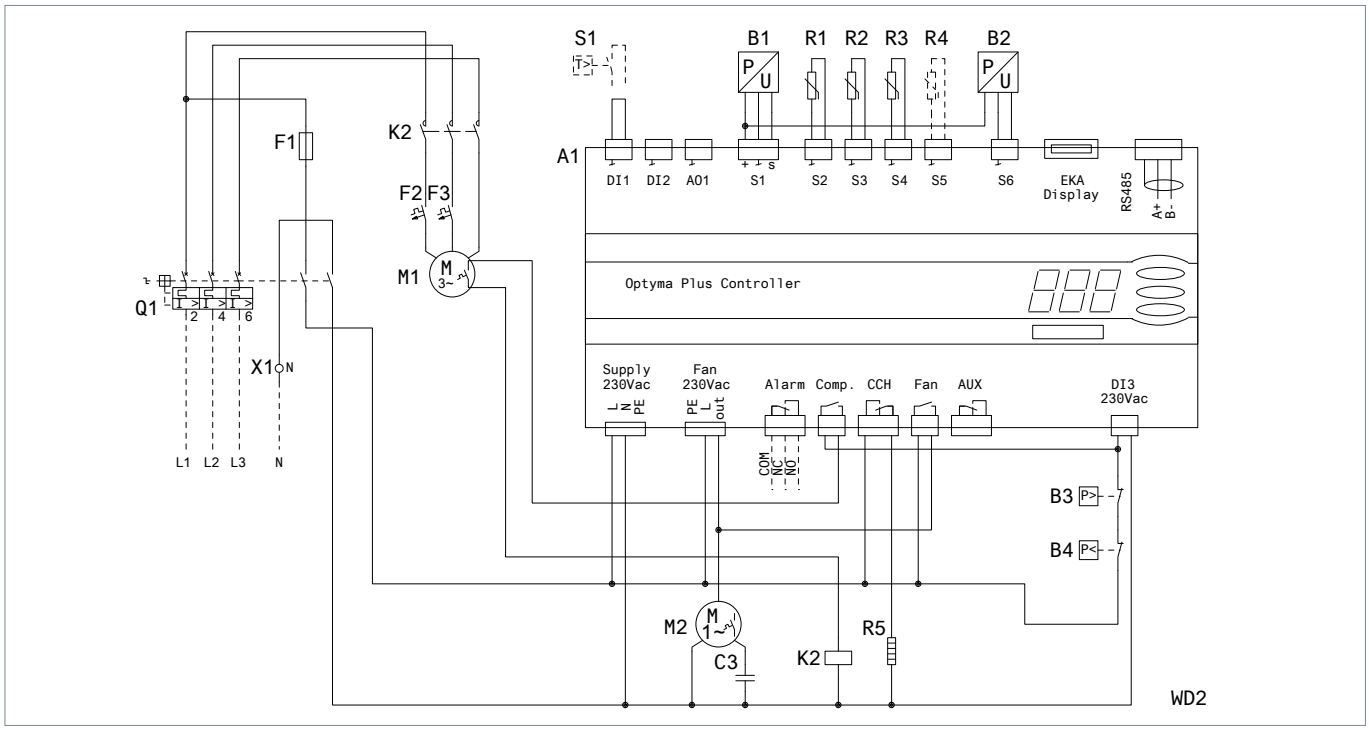
Housing 4



Code G : OP-LPHM018 & OP-MPHM007-010-012-015



Code E : OP-MPHM026-034



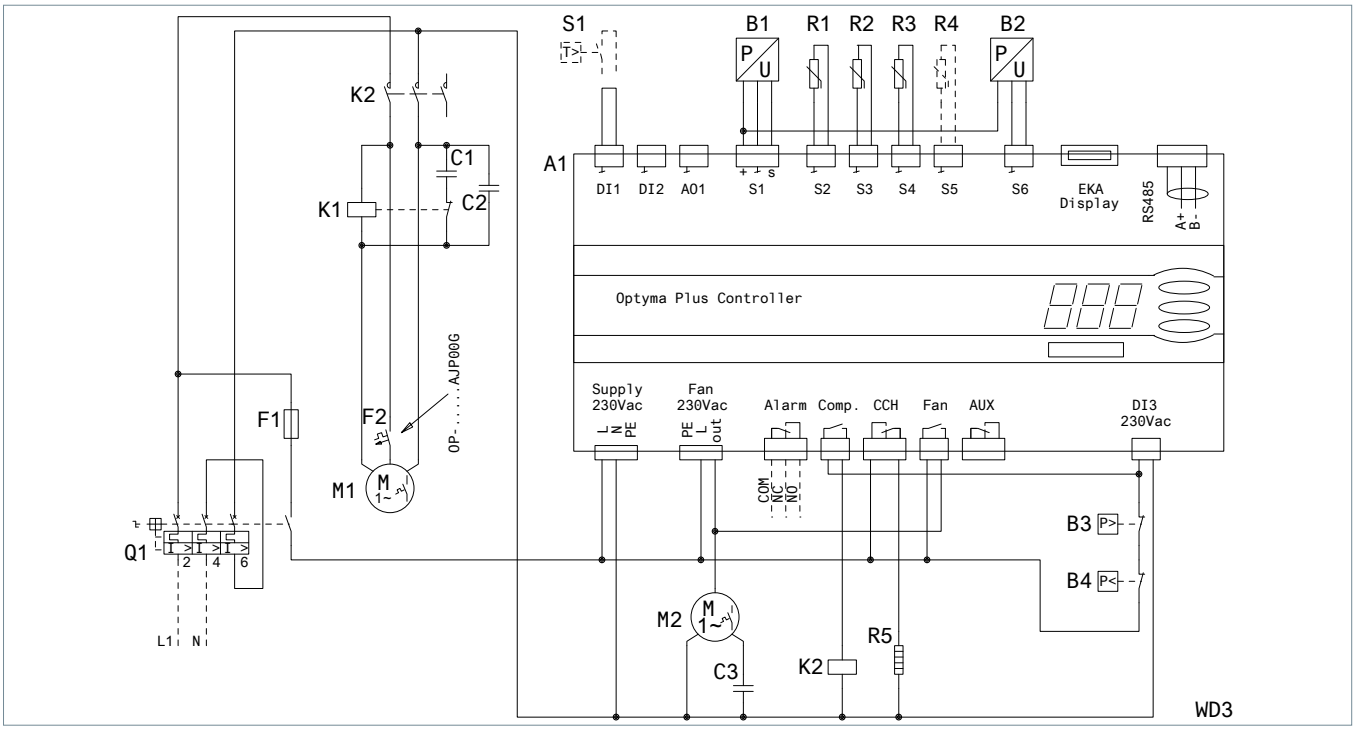
A1 : Optyma Plus Controller
A2 : Fan Speed Controller
B1 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch
B4 : Low Pressure Switch
C3 : Run Capacitor (Fan 1
C4 : Run Capacitor (Fan 2)

F1 : Fuse (Control Circuit)
F2,F3 : Overload protector
K2 : Contactor
K3,K4 : Auxiliary relay
M1 : Compressor
M2 : Fan Motor 1
M3 : Fan Motor 2
Q1 : Main Switch

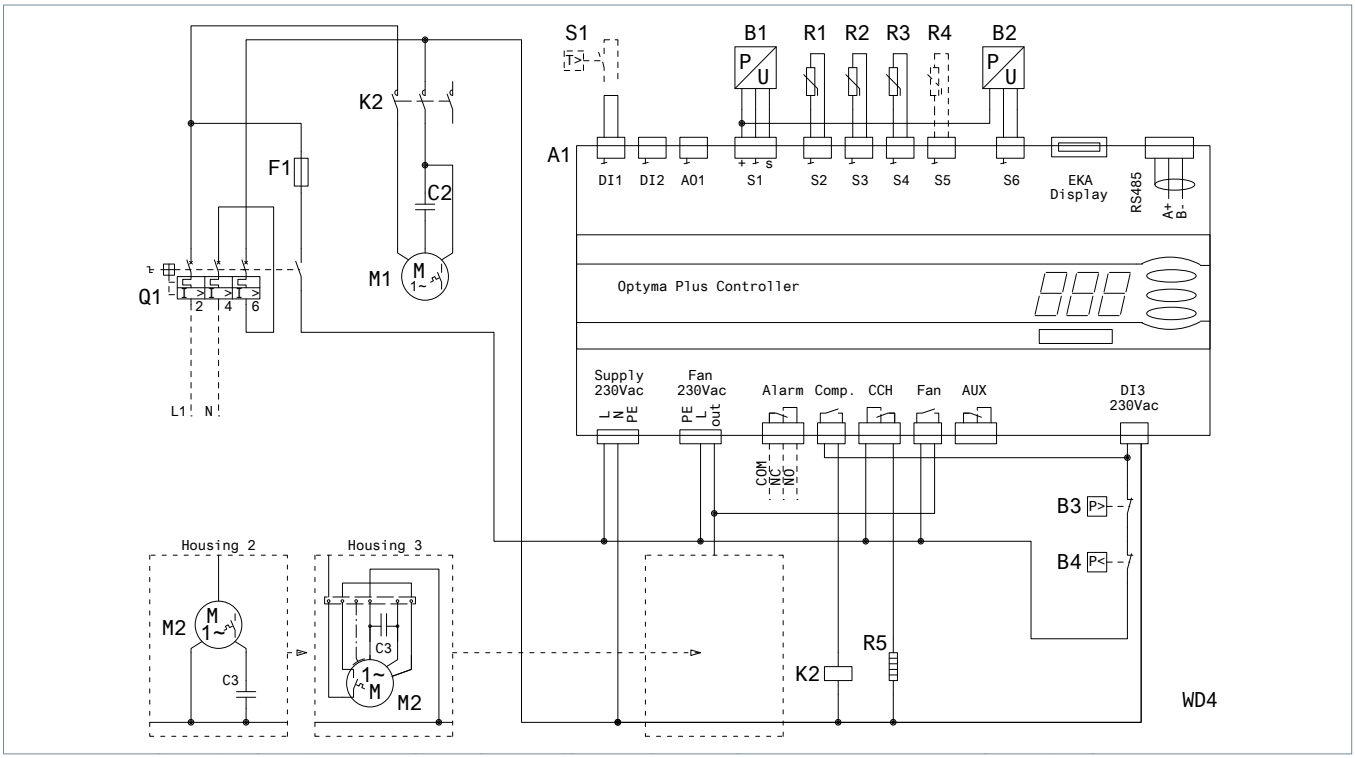
R1 : Ambient Temp. Sensor
R2 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4 : Auxiliary Temp. Sensor (optional)
R5 : Crankcase Heater
S1 : Room Thermostat (optional)
S2 : Door Limit Switch
X1 : Terminal

Supply : Supply
Fan : Fan
Alarm : Alarm
Comp. : Compressor
CCH : Crankcase Heater
Aux : Auxiliary

Code G : OP-LPHM026-048-068-074 & OP-MPHM018-024-026-034 & OP-MPGM033



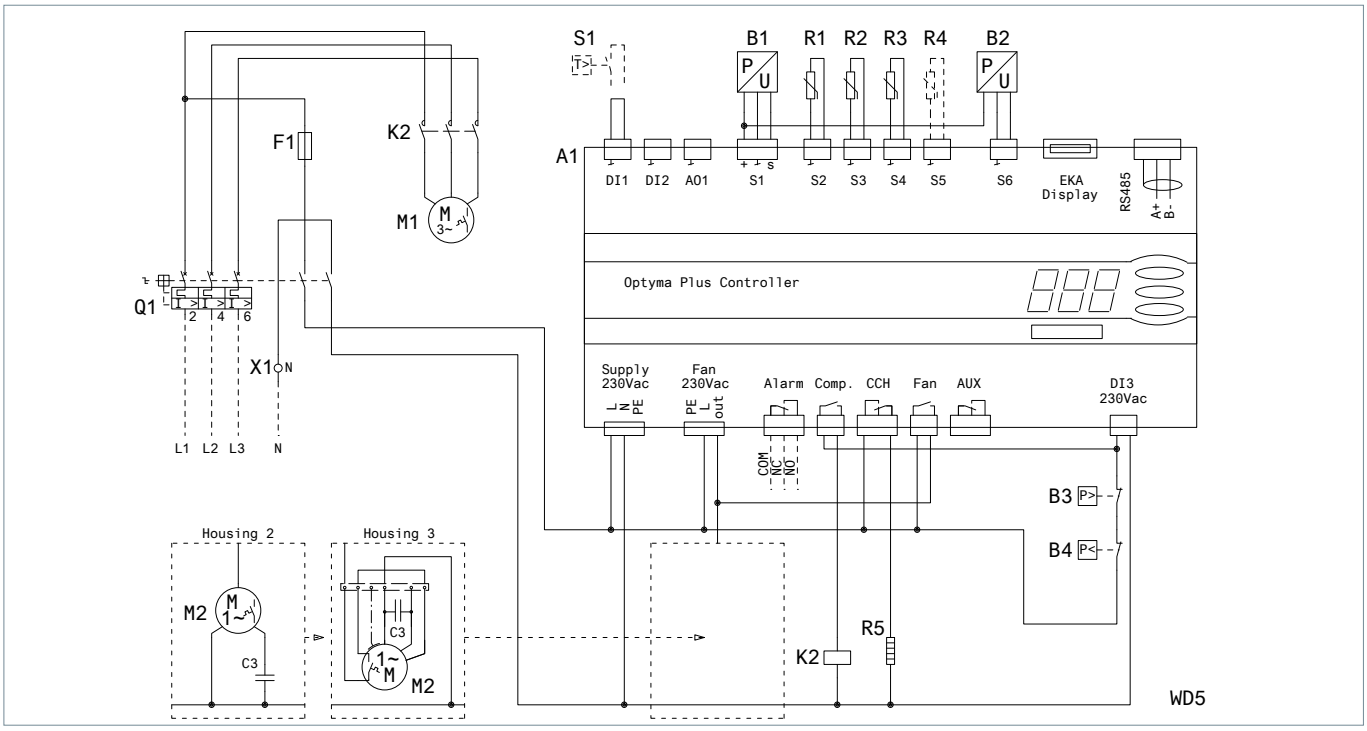
Code G : OP-MPUM034-046-057-068-080



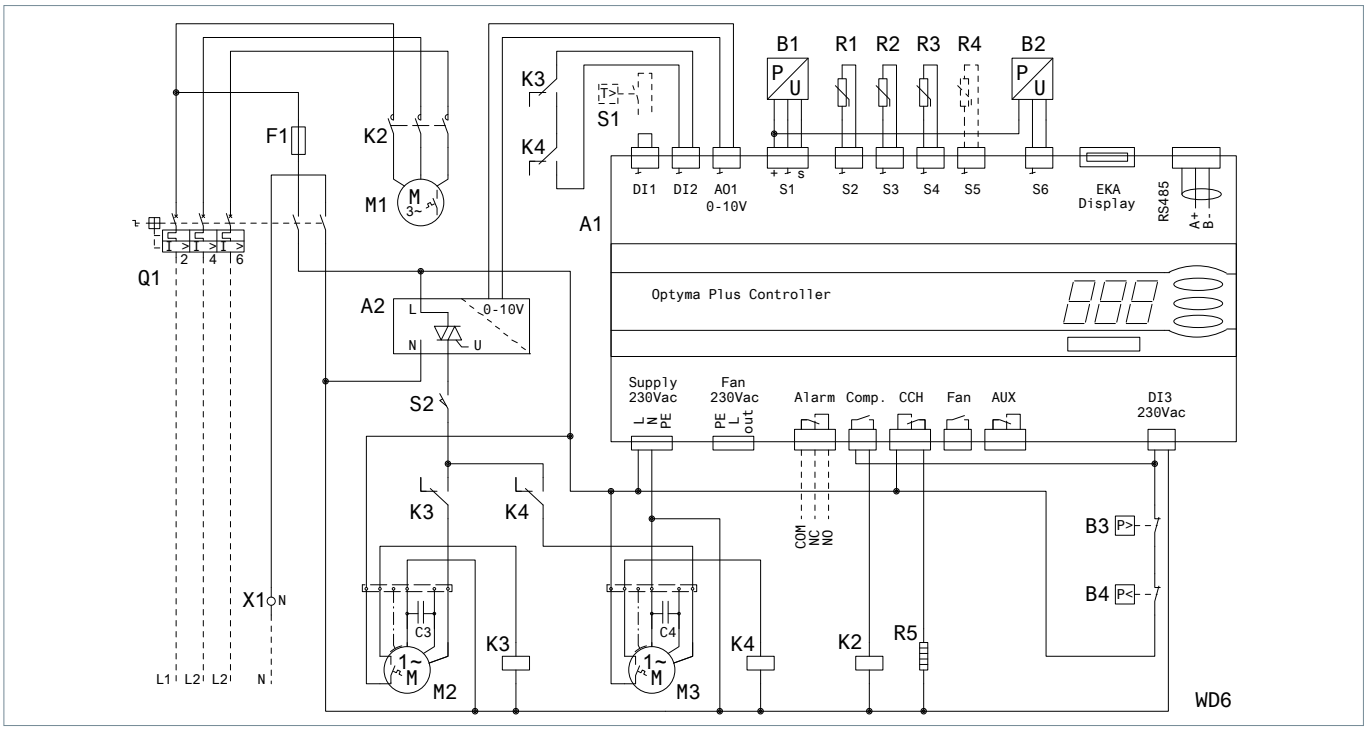
A1 : Optyma Plus Controller
B1 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch
B4 : Low Pressure Switch
C1 : Start Capacitor (Compressor)
C2 : Run Capacitor (Compressor)
C3 : Run Capacitor (Fan)
F1 : Fuse (Control Circuit)
F2,F3 : Overload protector
K1 : Start Relay
K2 : Contactor
K3,K4 : Auxiliary relay
M1 : Compressor
M2 : Fan Motor
Q1 : Main Switch
R1 : Ambient Temp. Sensor
R2 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4 : Auxiliary Temp. Sensor (optional)
R5 : Crankcase Heater
S1 : Room Thermostat (optional)
X1 : Terminal

Supply : Supply
CCH : Crankcase Heater
Fan : Fan
Aux : Auxiliary
Alarm : Alarm
Comp. : Compressor

Code E : OP-LPHM048-068-074-096-136 & OP-MPUM034-046-057-068-080-108



Code E : OP-LPHM215-271 & OP-MPUM125-162



A1 : Optyma Plus Controller
A2 : Fan Speed Controller
B1 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch
B4 : Low Pressure Switch
C3 : Run Capacitor (Fan 1
C4 : Run Capacitor (Fan 2)

F1 : Fuse (Control Circuit)
F2,F3 : Overload protector
K2 : Contactor
K3,K4 : Auxiliary relay
M1 : Compressor
M2 : Fan Motor 1
M3 : Fan Motor 2
Q1 : Main Switch

R1 : Ambient Temp. Sensor
R2 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4 : Auxiliary Temp. Sensor (optional)
R5 : Crankcase Heater
S1 : Room Thermostat (optional)
S2 : Door Limit Switch
X1 : Terminal

Supply : Supply
Fan : Fan
Alarm : Alarm
Comp. : Compressor
CCH : Crankcase Heater
Aux : Auxiliary

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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.

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Danfoss Scrolls

Danfoss Optyma Condensing Units

Danfoss Maneurop Reciprocating Compressors

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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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