

DANFOSS OPTYMA PLUS UNITS



Optyma Plus Condensing Units

Main Product Features

Outdoor Applications

- Weatherproof housing
- Robust and resistant to corrosion
- Compact design with hinged access doors
- Space saving stack mounting option

Quiet Operation

- Acoustic dampening insulation
- Low noise fan - day/night speed operation
- Highly optimized fan blade for noise reduction

Micro Channel Condenser Coil

- High efficiency
- Less refrigerant charge
- Longer life time & easy cleaning

Optyma Plus Electronic Controller

- Parameter monitoring & control
- Plug & play - parameters are already set up
- Built in clock option with power reserve
- Compressor ON/OFF control
- Intelligent fan speed control
- Crankcase heater control
- Condensing pressure transducer
- Suction pressure transducer
- Ambient temperature sensor
- Discharge temperature sensor
- Suction temperature sensor
- Alarm contacts

Optional control items

- Auxiliary temperature sensor
- Room thermostat

Standard Features

- Suitable for use on Multiple Refrigerants
(R452A, R134A, R513A, R448A, R449A, R407A, R407F, R404A/R507)
- Five Low Temp Models with Liquid Injection for R448A/R449A
- Dedicated Low & Medium Temperature Units
- Reciprocating & Scroll Compressors
- Compressor Oil Sight Glass
- Shut Off Ball Valves
- High Efficiency Fan Motors
- Hi Pressure & Low Pressure Switches
- Drier & Sight Glass
- Liquid Receiver
- Phase Reversal Protection*
(*Three phase scroll compressor models)
- IP54 Pre-Wired Electrical Box



DANFOSS OPTYMA PLUS UNITS

R134A – Medium Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling							Condensing Unit Information
			Evaporating Temperature °C							
			-15	-10	-5	0	+5	+10	+15	
OPMPXM034MLP00G **PSC units prior 10.10.2022 (wiring diagram on page 21) **CSR units after 10.10.2022 (wiring diagram on page 22) Danfoss Unit Code: 114X4261	MLZ015T5 Scroll Comp 230v/1/50Hz MCC: 19.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	1716	2197	2741	3354	4042	4813	5670	Unit Housing Type: H2 Wiring: WD3 or WD3A Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	1585	2034	2547	3131	3790	4531	5358	
		43	1480	1900	2380	2930	3560	4280	5080	
OPMPXM046MLP05E (Three Phase) Danfoss Unit Code: 114X4202	MLZ021T4 Scroll Comp 400v/3/50Hz MCC: 9.5 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2330	2909	3596	4393	5298	6310	7427	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	2158	2700	3344	4092	4943	5897	6951	
		43	2010	2520	3130	3830	4640	5540	6540	
OPMPXM057MLP05E (Three Phase) Danfoss Unit Code: 114X4203	MLZ026T4 Scroll Comp 400v/3/50Hz MCC: 10.0 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2797	3517	4347	5293	6357	7539	8838	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	2582	3256	4034	4921	5919	7030	8252	
		43	2400	3040	3770	4600	5540	6590	7750	
OPMPXM068MLP05E (Three Phase) Danfoss Unit Code: 114X4303	MLZ030T4 Scroll Comp 400v/3/50Hz MCC: 13.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	3484	4382	5437	6657	8048	9614	11360	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	3240	4078	5066	6213	7524	9005	10660	
		43	3040	3820	4750	5830	7070	8480	10050	
OPMPXM080MLP05E (Three Phase) Danfoss Unit Code: 114X4304	MLZ038T4 Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 70.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	4029	5086	6307	7704	9282	11050	13000	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	3718	4713	5863	7176	8663	10330	12170	
		43	3450	4400	5480	6720	8130	9710	11460	

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

DANFOSS OPTYMA PLUS UNITS

R134A – Medium Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts							Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling							
			Evaporating Temperature °C							
-15	-10	-5	0	+5	+10	+15				
OPMPXM108MLP05E (Three Phase) Danfoss Unit Code: 114X4305	MLZ048T4 Scroll Comp 400v/3/50Hz MCC: 16.0 A LRA: 87.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	5217	6525	8058	9805	11750	13890	16190	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8” Suction line: 7/8” Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	4809	6023	7454	9092	10920	12930	15110	
		43	4470	5600	6940	8480	10210	12110	14170	
OPMPXM125MLP05E (Three Phase) Danfoss Unit Code: 114X4401	MLZ058T4 Scroll Comp 400v/3/50Hz MCC: 20.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	6438	8103	10020	12190	14650	17390	20430	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50 2x 0.97amps Blade Diameter: 500mm Liquid line: 3/4” Suction line: 1-1/8” Receiver Volume: 10 Lt Unit Weight: 169 Kg
		38	5908	7491	9303	11360	13680	16280	19160	
		43	5460	6970	8690	10650	12860	15330	18070	
OPMPXM162MLP05E (Three Phase) Danfoss Unit Code: 114X4402	MLZ076T4 Scroll Comp 400v/3/50Hz MCC: 25.0 A LRA: 140.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	8169	10250	12640	15350	18400	21780	25510	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50 2x 0.97amps Blade Diameter: 500mm Liquid line: 3/4” Suction line: 1-1/8” Receiver Volume: 10 Lt Unit Weight: 169 Kg
		38	7544	9476	11710	14260	17140	20340	23870	
		43	7030	8830	10930	13330	16050	19090	22450	

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



DANFOSS OPTYMA PLUS UNITS

R513A – Medium Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling							Condensing Unit Information
			Evaporating Temperature °C							
			-15	-10	-5	0	+5	+10	+15	
OPMPXM034MLP00G **PSC units prior 10.10.2022 (wiring diagram on page 21) **CSR units after 10.10.2022 (wiring diagram on page 22) Danfoss Unit Code: 114X4261	MLZ015T5 Scroll Comp 230v/1/50Hz MCC: 19.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	1801	2238	2756	3365	4071	4880	5796	Unit Housing Type: H2 Wiring: WD3 or WD3A Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	1657	2066	2547	3112	3768	4521	5376	
		43	1534	1918	2369	2896	3509	4215	5019	
OPMPXM046MLP05E (Three Phase) Danfoss Unit Code: 114X4202	MLZ021T4 Scroll Comp 400v/3/50Hz MCC: 9.5 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2448	3043	3734	4530	5437	6457	7594	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	2227	2786	3434	4179	5027	5984	7053	
		43	2037	2565	3174	3875	4674	5577	6588	
OPMPXM057MLP05E (Three Phase) Danfoss Unit Code: 114X4203	MLZ026T4 Scroll Comp 400v/3/50Hz MCC: 10.0 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2967	3698	4535	5485	6552	7738	9043	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	2678	3369	4157	5049	6050	7162	8389	
		43	2430	3085	3829	4669	5613	6663	7823	
OPMPXM068MLP05E (Three Phase) Danfoss Unit Code: 114X4303	MLZ030T4 Scroll Comp 400v/3/50Hz MCC: 13.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	3750	4646	5697	6918	8321	9913	11700	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	3443	4285	5269	6411	7723	9215	10890	
		43	3178	3971	4896	5969	7203	8609	10197	
OPMPXM080MLP05E (Three Phase) Danfoss Unit Code: 114X4304	MLZ038T4 Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 70.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	4380	5410	6614	8007	9600	11400	13410	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	4011	4975	6099	7398	8884	10570	12450	
		43	3694	4601	5655	6872	8267	9850	11630	

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

DANFOSS OPTYMA PLUS UNITS

R513A – Medium Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling							Condensing Unit Information
			Evaporating Temperature °C							
			-15	-10	-5	0	+5	+10	+15	
OPMPXM108MLP05E (Three Phase) Danfoss Unit Code: 114X4305	MLZ048T4 Scroll Comp 400v/3/50Hz MCC: 16.0 A LRA: 87.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	5659	7007	8569	10359	12387	14658	17173	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Lt Unit Weight: 101 Kg
		38	5137	6402	7862	9534	11429	13556	15919	
		43	4691	5882	7254	8823	10604	12608	14842	
OPMPXM125MLP05E (Three Phase) Danfoss Unit Code: 114X4401	MLZ058T4 Scroll Comp 400v/3/50Hz MCC: 20.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	6816	8459	10371	12573	15080	17902	21044	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50 2x 0.97amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 169 Kg
		38	6216	7763	9554	11613	13958	16602	19552	
		43	5700	7160	8845	10781	12986	15478	18266	
OPMPXM162MLP05E (Three Phase) Danfoss Unit Code: 114X4402	MLZ076T4 Scroll Comp 400v/3/50Hz MCC: 25.0 A LRA: 140.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	8289	10331	12687	15374	18402	21774	25487	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50 2x 0.97amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 169 Kg
		38	7516	9428	11622	14120	16935	20075	23543	
		43	6858	8656	10712	13048	15682	18626	21888	

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



DANFOSS OPTYMA PLUS UNITS

R404A (R507) – Medium Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts						Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling						
			Evaporating Temperature °C						
			-15	-10	-5	0	+5	+10	
OPMPBM014DPP00G (CSR Single Phase) (unit is qualified for R452A) Danfoss Unit Code 114X4122	MPT14RA Recip Comp 230v/1/50Hz MCC: 6.5 A LRA: 21.0 A Oil Type POE32 (400 mls)	32	1031	1276	1546	1841	2160	2502	Unit Housing Type: H1 Wiring Diagram: WD7 Fan Motor (Qty:1) 230V/1/50Hz 0.32 amps Blade Diameter: 365mm Liquid line: 3/8" Suction line: 3/8" Receiver Volume: 1.3 Litres Unit Weight: 49 Kg
		38	913	1133	1380	1652	1950	2274	
		43	814	1014	1241	1494	1775	2084	
OPMPTM018DXP00G (CSR Single Phase) Danfoss Unit Code: 114X4115	DX18TBa Recip Comp 230v/1/50Hz MCC: 9.0 A LRA: 34.5 A Oil Type POE32 (500 mls)	32	1116	1365	1638	1934	2254	2597	Unit Housing Type: H1 Wiring Diagram: WD1 Fan Motor (Qty:1) 230V/1/50Hz 0.32 amps Blade Diameter: 365mm Liquid line: 3/8" Suction line: 3/8" Receiver Volume: 1.3 Litres Unit Weight: 55 Kg
		38	992	1216	1465	1738	2037	2363	
		43	889	1092	1320	1576	1858	2169	
OPMPTM026DSP00G (CSR Single Phase) Danfoss Unit Code: 114X4238	DS26TB Recip Comp 230v/1/50Hz MCC: 11.5 A LRA: 38.0 A Oil Type POE46 (887 mls)	32	1893	2334	2809	3317	3860	4435	Unit Housing Type: H2 Wiring Diagram: WD2A Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	1619	2014	2446	2913	3417	3958	
		43	1392	1750	2145	2577	3048	3561	
OPMPXM034MLP00G (CSR Single Phase) Danfoss Unit Code: 114X4261	MLZ015T5 Scroll Comp 230v/1/50Hz MCC: 19.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2890	3478	4142	4882	5703	6608	Unit Housing Type: H2 Wiring Diagram: WD3 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	2569	3102	3705	4383	5139	5981	
		43	2290	2780	3330	3960	4660	5450	
OPMPXM046MLP05E (Three Phase) Danfoss Unit Code: 114X4202	MLZ021T4 Scroll Comp 400v/3/50Hz MCC: 9.5 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	3772	4514	5340	6257	7271	8390	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	3325	3990	4731	5559	6482	7511	
		43	2930	3530	4200	4950	5800	6750	
OPMPXM057MLP05E (Three Phase) Danfoss Unit Code: 114X4203	MLZ026T4 Scroll Comp 400v/3/50Hz MCC: 10.0 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	4390	5249	6203	7252	8397	9639	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	3868	4630	5480	6420	7455	8590	
		43	3410	4090	4860	5700	6650	7690	

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

DANFOSS OPTYMA PLUS UNITS

R404A (R507) – Medium Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling						Condensing Unit Information
			Evaporating Temperature °C						
			-15	-10	-5	0	+5	+10	
OPMPXM068MLP05E (Three Phase) Danfoss Unit Code: 114X4303	MLZ030T4 Scroll Comp 400v/3/50Hz MCC: 13.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	5926	7177	8594	10180	11950	13910	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	5279	6418	7711	9170	10800	12620	
		43	4720	5760	6950	8290	9810	11510	
OPMPXM080MLP05E (Three Phase) Danfoss Unit Code: 114X4304	MLZ038T4 Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 70.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	6948	8353	9930	11680	13610	15720	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	6146	7415	8842	10430	12200	14140	
		43	5430	6580	7880	9340	10960	12750	
OPMPXM108MLP05E (Three Phase) Danfoss Unit Code: 114X4305	MLZ048T4 Scroll Comp 400v/3/50Hz MCC: 16.0 A LRA: 87.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	8653	10320	12170	14210	16460	18930	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	7596	9087	10740	12580	14620	16890	
		43	6670	8010	9500	11170	13040	15140	
OPMPXM125MLP05E (Three Phase) Danfoss Unit Code: 114X4401	MLZ058T4 Scroll Comp 400v/3/50Hz MCC: 20.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	10550	12820	15330	18070	21070	24310	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50Hz 2x 0.97 amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Litres Unit Weight: 169 Kg
		38	9257	11330	13630	16150	18910	21910	
		43	8130	10030	12150	14470	17030	19840	
OPMPXM162MLP05E (Three Phase) Danfoss Unit Code: 114X4402	MLZ076T4 Scroll Comp 400v/3/50Hz MCC: 25.0 A LRA: 140.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	13620	16030	18680	21590	24800	28320	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50Hz 2x 0.97 amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Litres Unit Weight: 169 Kg
		38	11880	13910	16160	18660	21460	24590	
		43	10400	12080	13980	16130	18580	21370	

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

DANFOSS OPTYMA PLUS UNITS

R449A – Medium Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts						Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling						
			Evaporating Temperature °C						
-15	-10	-5	0	+5	+10				
OPMPBM014DPP00G (CSR Single Phase) (unit is qualified for R452A) Danfoss Unit Code 114X4122	MPT14RA Recip Comp 230v/1/50Hz MCC: 6.5 A LRA: 21.0 A Oil Type POE32 (400 mls)	32	896	1147	1421	1716	2032	2367	Unit Housing Type: H1 Wiring Diagram: WD7 Fan Motor (Qty:1) 230V/1/50Hz 0.32 amps Blade Diameter: 365mm Liquid line: 3/8" Suction line: 3/8" Receiver Volume: 1.3 Litres Unit Weight: 49 Kg
		38	799	1024	1273	1544	1838	2153	
		43	718	922	1150	1401	1676	1974	
OPMPTM018DXP00G (CSR Single Phase) Danfoss Unit Code: 114X4115	DX18TBa Recip Comp 230v/1/50Hz MCC: 9.0 A LRA: 34.5 A Oil Type POE32 (500 mls)	32	1074	1295	1534	1792	2067	2358	Unit Housing Type: H1 Wiring Diagram: WD1 Fan Motor (Qty:1) 230V/1/50Hz 0.32 amps Blade Diameter: 365mm Liquid line: 3/8" Suction line: 3/8" Receiver Volume: 1.3 Litres Unit Weight: 55 Kg
		38	956	1153	1371	1608	1863	2135	
		43	-	1036	1235	1454	1693	1951	
OPMPTM026DSP00G (CSR Single Phase) Danfoss Unit Code: 114X4238	DS26TB Recip Comp 230v/1/50Hz MCC: 11.5 A LRA: 38.0 A Oil Type POE46 (887 mls)	32	1786	2222	2687	3178	3693	4229	Unit Housing Type: H2 Wiring Diagram: WD2A Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	1508	1890	2302	2742	3209	3699	
		43	1279	1614	1982	2380	2806	3258	
OPMPXM034MLP00G (CSR Single Phase) Danfoss Unit Code: 114X4261	MLZ015T5 Scroll Comp 230v/1/50Hz MCC: 19.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	2747	3373	4087	4893	5795	6795	Unit Housing Type: H2 Wiring Diagram: WD3 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	2502	3080	3740	4488	5329	6264	
		43	2290	2830	3440	4140	4930	5810	
OPMPXM046MLP05E (Three Phase) Danfoss Unit Code: 114X4202	MLZ021T4 Scroll Comp 400v/3/50Hz MCC: 9.5 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	3602	4397	5293	6292	7398	8612	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	3234	3963	4786	5707	6730	7858	
		43	2920	3590	4350	5200	6150	7210	
OPMPXM057MLP05E (Three Phase) Danfoss Unit Code: 114X4203	MLZ026T4 Scroll Comp 400v/3/50Hz MCC: 10.0 A LRA: 45.0 A Oil Type 215PZ-POE46 (1.1 litres)	32	4274	5212	6248	7382	8615	9945	Unit Housing Type: H2 Wiring Diagram: WD12 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 3.4 Litres Unit Weight: 80 Kg
		38	3779	4639	5587	6627	7761	8991	
		43	3350	4140	5010	5970	7020	8160	

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

DANFOSS OPTYMA PLUS UNITS

R449A – Medium Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling						Condensing Unit Information
			Evaporating Temperature °C						
			-15	-10	-5	0	+5	+10	
OPMPXM068MLP05E (Three Phase) Danfoss Unit Code: 114X4303	MLZ030T4 Scroll Comp 400v/3/50Hz MCC: 13.0 A LRA: 60.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	5662	6928	8371	10000	11840	13870	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	5112	6284	7624	9144	10860	12770	
		43	4630	5720	6970	8390	10000	11800	
OPMPXM080MLP05E (Three Phase) Danfoss Unit Code: 114X4304	MLZ038T4 Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 70.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	6577	8012	9637	11460	13490	15720	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	5936	7259	8760	10450	12330	14420	
		43	5380	6610	8000	9570	11340	13300	
OPMPXM108MLP05E (Three Phase) Danfoss Unit Code: 114X4305	MLZ048T4 Scroll Comp 400v/3/50Hz MCC: 16.0 A LRA: 87.0 A Oil Type 215PZ-POE46 (1.6 litres)	32	8360	10170	12190	14430	16890	19570	Unit Housing Type: H3 Wiring Diagram: WD13 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 5/8" Suction line: 7/8" Receiver Volume: 6.2 Litres Unit Weight: 101 Kg
		38	7496	9145	10990	13050	15320	17800	
		43	6750	8260	9960	11850	13960	16280	
OPMPXM125MLP05E (Three Phase) Danfoss Unit Code: 114X4401	MLZ058T4 Scroll Comp 400v/3/50Hz MCC: 20.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	10250	12510	15070	17950	21160	24690	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50Hz 2x 0.97 amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Litres Unit Weight: 169 Kg
		38	9276	11350	13720	16380	19350	22650	
		43	8430	10350	12530	15010	17790	20880	
OPMPXM162MLP05E (Three Phase) Danfoss Unit Code: 114X4402	MLZ076T4 Scroll Comp 400v/3/50Hz MCC: 25.0 A LRA: 140.0 A Oil Type 215PZ-POE46 (2.66 litres)	32	12110	14920	18080	21610	25500	29760	Unit Housing Type: H4 Wiring Diagram: WD14 Fan Motors (Qty:2) 230V/1/50Hz 2x 0.97 amps Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Litres Unit Weight: 169 Kg
		38	10750	13330	16240	19500	23120	27090	
		43	9560	11940	14640	17670	21040	24770	

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

DANFOSS OPTYMA PLUS UNITS

R404A (R507) – Low Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts							Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling							
			Evaporating Temperature °C							
-40	-35	-30	-25	-20	-15	-10				
OPLPQM026AJP00G (CSR Single Phase) Danfoss Unit Code: 114X3216	CAJ2446Z Recip Comp 230v/1/50Hz MCC: 7.9 A LRA: 29.0 A Oil Type RL32HA/HT (887 mls)	32	455	645	872	1140	1451	1809	2216	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 1/2" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	371	541	745	985	1265	1588	1957	
		43	-	406	640	860	1110	1400	1740	
OPLPQM048NTP00G (CSR Single Phase) Danfoss Unit Code: 114X3225	NTZ048-5 Recip Comp 230v/1/50Hz MCC: 11.0 A LRA: 37.0 A Oil Type 175PZ-POE (0.95 litres)	32	651	981	1381	1853	2398	3017	3706	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	501	798	1155	1576	2062	2615	3232	
		43	380	650	970	1350	1780	-	-	
OPLPQM068NTP00G (CSR Single Phase) Danfoss Unit Code: 114X3241	NTZ068-5 Recip Comp 230v/1/50Hz MCC: 17.0 A LRA: 53.0 A Oil Type 175PZ-POE (0.95 litres)	32	1189	1608	2110	2694	3358	4098	4905	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	1017	1388	1828	2338	2918	3564	4270	
		43	870	1200	1590	2040	2550	-	-	
OPLPQM068NTP00E (Three Phase) Danfoss Unit Code: 114X3249	NTZ068-4 Recip Comp 400v/3/50Hz MCC: 8.4 A LRA: 25.0 A Oil Type 175PZ-POE (0.95 litres)	32	1172	1629	2162	2770	3451	4204	5024	Unit Housing Type: H2 Wiring Diagram: WD4 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	967	1374	1846	2386	2991	3662	4394	
		43	810	1180	1600	2080	2620	-	-	

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



DANFOSS OPTYMA PLUS UNITS

R404A (R507) – Low Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling							Condensing Unit Information
			Evaporating Temperature °C							
			-40	-35	-30	-25	-20	-15	-10	
OPLPOM067LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3371	LLZ013T4A Scroll Comp 400v/3/50Hz MCC: 12.0 A LRA: 62.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	2024	2600	3276	4061	4965	5997	7163	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	1790	2319	2934	3645	4462	5395	6451	
		43	1586	2073	2634	3280	4022	4870	5832	
OPLPOM084LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3372	LLZ015T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 88.5 A Oil Type 215PZ-POE46	32	2171	2777	3494	4332	5303	6412	7667	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	2078	2662	3350	4155	5086	6150	7356	
		43	1935	2485	3130	3883	4754	5751	6882	
OPLPOM098LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3373	LLZ018T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 90.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	2837	3608	4524	5594	6825	8221	9785	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 136 Kg
		38	2519	3216	4035	4987	6082	7324	8719	
		43	2241	2871	3607	4459	5438	6550	7802	
OPLPOM120LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3485	LLZ024T4A Scroll Comp 400v/3/50Hz MCC: 21.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	3539	4486	5597	6880	8337	9967	11770	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	3131	3981	4969	6104	7389	8827	10420	
		43	2772	3537	4420	5427	6567	7843	9257	
OPLPOM168LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3486	LLZ034T4A Scroll Comp 400v/3/50Hz MCC: 26.0 A LRA: 150.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	4665	5838	7171	8668	10320	12130	14090	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	4016	5061	6230	7526	8952	10510	12190	
		43	3416	4352	5379	6505	7737	9075	10520	

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

DANFOSS OPTYMA PLUS UNITS

R452A – Low Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts							Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling							
			Evaporating Temperature °C							
-40	-35	-30	-25	-20	-15	-10				
OPLPQM026AJP00G (CSR Single Phase) Danfoss Unit Code: 114X3216	CAJ2446Z Recip Comp 230v/1/50Hz MCC: 7.9 A LRA: 29.0 A Oil Type RL32HA/HT (887 mls)	32	423	606	826	1089	1399	1759	2174	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 1/2" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	-	511	710	948	1228	1556	1935	
		43	-	430	607	824	1078	1377	1724	
OPLPQM048NTP00G (CSR Single Phase) Danfoss Unit Code: 114X3225	NTZ048-5 Recip Comp 230v/1/50Hz MCC: 11.0 A LRA: 37.0 A Oil Type 175PZ-POE (0.95 litres)	32	641	962	1355	1826	2380	3018	3743	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	510	796	1146	1566	2061	2634	3289	
		43	410	670	980	1360	1810	2330	2930	
OPLPQM068NTP00G (CSR Single Phase) Danfoss Unit Code: 114X3241	NTZ068-5 Recip Comp 230v/1/50Hz MCC: 17.0 A LRA: 53.0 A Oil Type 175PZ-POE (0.95 litres)	32	1177	1636	2173	2791	3492	4275	5137	Unit Housing Type: H2 Wiring Diagram: WD2 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	937	1353	1838	2396	3030	3738	4521	
		43	750	1130	1570	2080	2650	3300	4020	
OPLPQM068NTP00E (Three Phase) Danfoss Unit Code: 114X3249	NTZ068-4 Recip Comp 400v/3/50Hz MCC: 8.4 A LRA: 25.0 A Oil Type 175PZ-POE (0.95 litres)	32	1153	1616	2164	2795	3504	4279	5107	Unit Housing Type: H2 Wiring Diagram: WD4 Fan Motor (Qty:1) 230V/1/50Hz 0.47 amps Blade Diameter: 450mm Liquid line: 3/8" Suction line: 5/8" Receiver Volume: 3.4 Lt Unit Weight: 80 Kg
		38	952	1365	1853	2414	3043	3731	4464	
		43	790	1160	1600	2100	2660	3270	3920	

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



DANFOSS OPTYMA PLUS UNITS

R452A – Low Temperature Condensing Units – cont'd

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts Based on EN13215: 10K Superheat & 0K sub-cooling							Condensing Unit Information
			Evaporating Temperature °C							
			-40	-35	-30	-25	-20	-15	-10	
OPLPOM067LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3371	LLZ013T4A Scroll Comp 400v/3/50Hz MCC: 12.0 A LRA: 62.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	1642	2096	2651	3318	4108	5030	6089	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	1592	2026	2557	3198	3958	4847	5871	
		43	1519	1922	2418	3017	3731	4570	5541	
OPLPOM084LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3372	LLZ015T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 88.5 A Oil Type 215PZ-POE46 (1.62 litres)	32	2223	2820	3526	4351	5306	6398	7630	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	1997	2533	3167	3909	4771	5761	6884	
		43	1803	2286	2856	3526	4306	5206	6234	
OPLPOM098LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3373	LLZ018T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 90.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	2592	3286	4098	5039	6118	7339	8704	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 136 Kg
		38	2318	2943	3671	4516	5486	6588	7824	
		43	2084	2647	3302	4062	4937	5935	7061	
OPLPOM120LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3485	LLZ024T4A Scroll Comp 400v/3/50Hz MCC: 21.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	3345	4266	5360	6650	8154	9889	11870	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	3005	3841	4834	6005	7376	8963	10780	
		43	2712	3472	4374	5442	6696	8155	9837	
OPLPOM168LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3486	LLZ034T4A Scroll Comp 400v/3/50Hz MCC: 26.0 A LRA: 150.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	4780	6066	7578	9340	11370	13680	16270	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	4278	5437	6798	8385	10220	12310	14670	
		43	3847	4893	6120	7553	9214	11120	13280	

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

DANFOSS OPTYMA PLUS UNITS

R448A – Low Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts							Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling							
			Evaporating Temperature °C							
-40	-35	-30	-25	-20	-15	-10				
OPLPOM067LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3371	LLZ013T4A Scroll Comp 400v/3/50Hz MCC: 12.0 A LRA: 62.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	1795	2354	3028	3822	4737	5775	6933	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	1690	2189	2795	3511	4341	5287	6346	
		43	1614	2058	2601	3249	4004	4869	5843	
OPLPOM084LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3372	LLZ015T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 88.5 A Oil Type 215PZ-POE46 (1.62 litres)	32	2218	2954	3819	4819	5957	7233	8646	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	2060	2738	3531	4444	5484	6650	7944	
		43	1932	2558	3287	4125	5080	6153	7345	
OPLPOM098LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3373	LLZ018T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 90.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	2670	3507	4501	5661	6993	8500	10180	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 136 Kg
		38	2484	3256	4169	5232	6453	7836	9383	
		43	2328	3044	3886	4867	5994	7272	8705	
OPLPOM120LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3485	LLZ024T4A Scroll Comp 400v/3/50Hz MCC: 21.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	3358	4308	5439	6770	8315	10080	12060	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	3096	3975	5010	6220	7622	9224	11030	
		43	2859	3678	4631	5740	7021	8485	10130	
OPLPOM168LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3486	LLZ034T4A Scroll Comp 400v/3/50Hz MCC: 26.0 A LRA: 150.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	4792	6099	7655	9475	11570	13930	16570	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	4455	5641	7049	8695	10590	12730	15130	
		43	4166	5244	6523	8018	9742	11700	13890	

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

DANFOSS OPTYMA PLUS UNITS

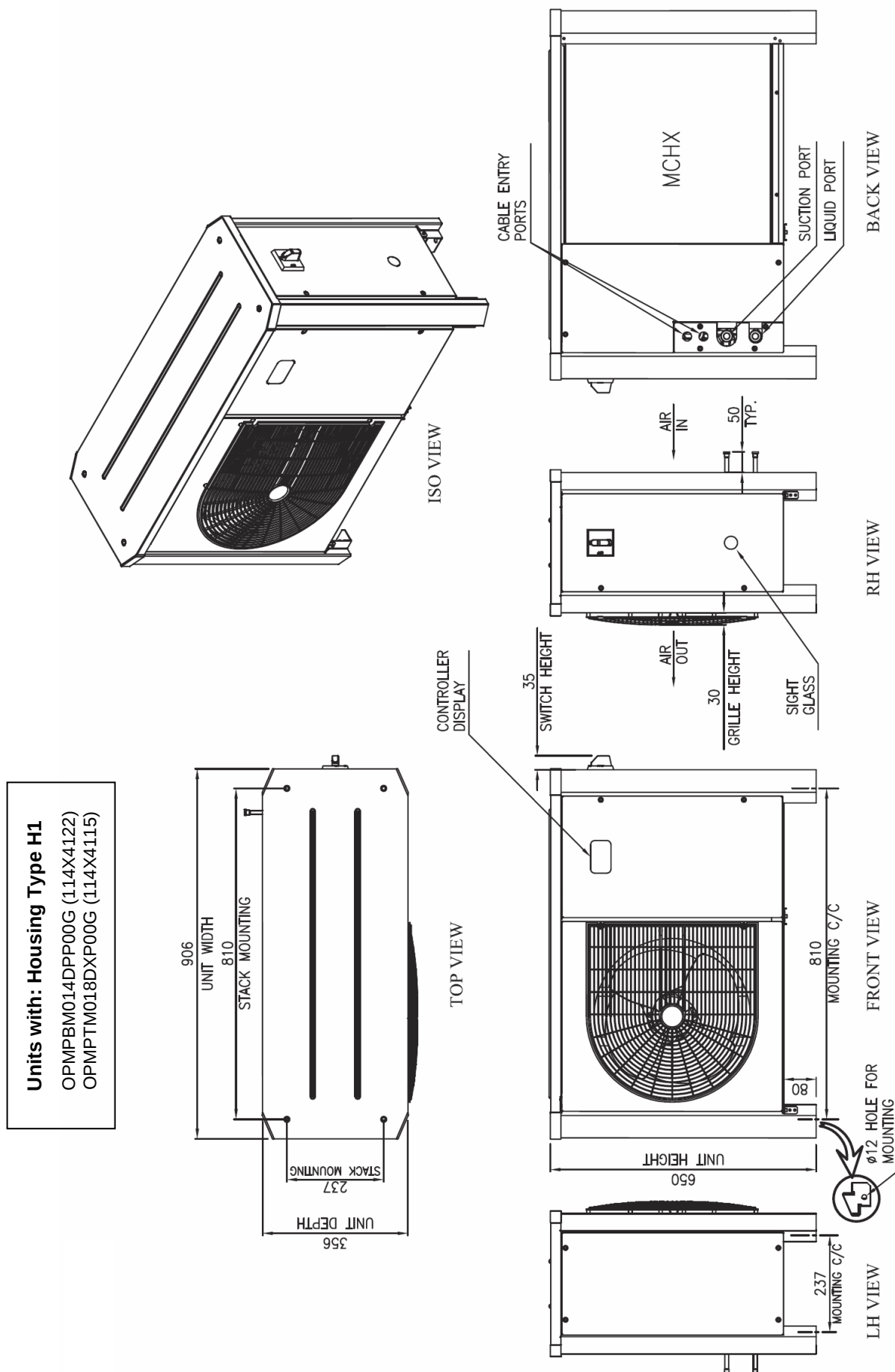
R449A – Low Temperature Condensing Units

Airefrig Part Number	Compressor Model	Amb Temp °C	Refrigeration Capacity Watts							Condensing Unit Information
			Based on EN13215: 10K Superheat & 0K sub-cooling							
			Evaporating Temperature °C							
-40	-35	-30	-25	-20	-15	-10				
OPLPOM067LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3371	LLZ013T4A Scroll Comp 400v/3/50Hz MCC: 12.0 A LRA: 62.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	1787	2344	3017	3810	4725	5763	6922	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	1681	2179	2783	3499	4329	5274	6334	
		43	1605	2047	2589	3237	3992	4857	5831	
OPLPOM084LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3372	LLZ015T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 88.5 A Oil Type 215PZ-POE46 (1.62 litres)	32	2207	2942	3806	4804	5942	7218	8632	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 135 Kg
		38	2049	2726	3517	4429	5468	6635	7929	
		43	1921	2545	3272	4110	5064	6137	7330	
OPLPOM098LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3373	LLZ018T4A Scroll Comp 400v/3/50Hz MCC: 15.0 A LRA: 90.0 A Oil Type 215PZ-POE46 (1.62 litres)	32	2658	3493	4485	5644	6975	8482	10160	Unit Housing Type: H3 Wiring Diagram: WD8 Fan Motor (Qty:1) 230V/1/50Hz 0.97 amps Blade Diameter: 500mm Liquid line: 1/2" Suction line: 3/4" Receiver Volume: 6.2 Lt Unit Weight: 136 Kg
		38	2471	3241	4152	5214	6435	7818	9366	
		43	2315	3028	3869	4849	5975	7253	8687	
OPLPOM120LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3485	LLZ024T4A Scroll Comp 400v/3/50Hz MCC: 21.0 A LRA: 95.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	3342	4291	5420	6750	8294	10060	12040	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	3080	3957	4990	6199	7601	9202	11010	
		43	2842	3659	4610	5718	6999	8463	10110	
OPLPOM168LLP02E <i>with Liquid Injection</i> (Three Phase) Danfoss Unit Code: 114X3486	LLZ034T4A Scroll Comp 400v/3/50Hz MCC: 26.0 A LRA: 150.0 A Oil Type 215PZ-POE46 (2.51 litres)	32	4770	6075	7628	9447	11540	13900	16540	Unit Housing Type: H4 Wiring Diagram: WD9 Fan Motor (Qty:2) 230V/1/50Hz 2x0.97amp Blade Diameter: 500mm Liquid line: 3/4" Suction line: 1-1/8" Receiver Volume: 10 Lt Unit Weight: 161 Kg
		38	4432	5615	7021	8665	10560	12700	15100	
		43	4142	5218	6494	7988	9712	11670	13860	

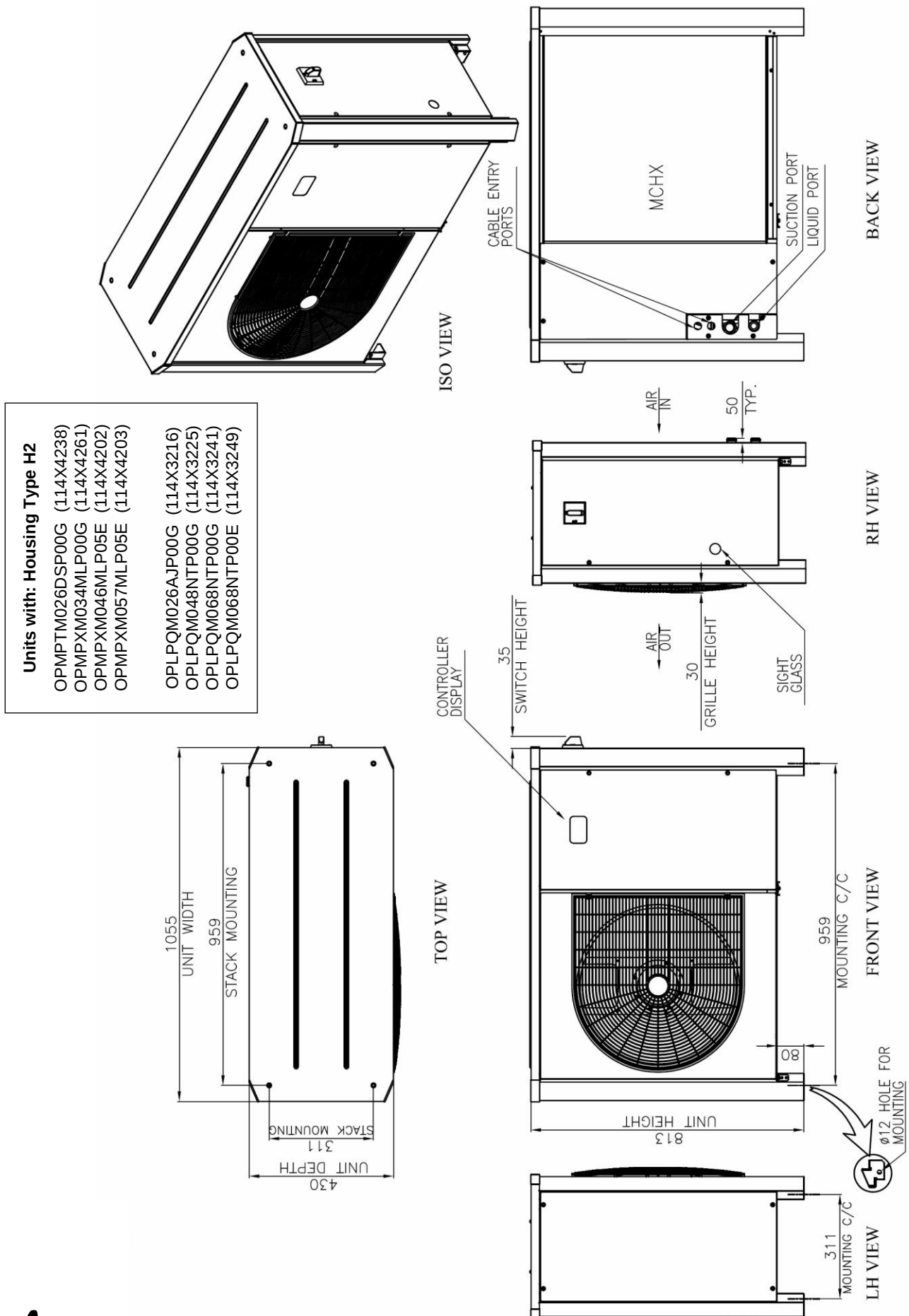
Note: MCC (Maximum Continuous Current, LRA (Locked Rotor Amps)

DANFOSS OPTYMA PLUS UNITS

Condensing Unit Dimensions - Housing Type H1

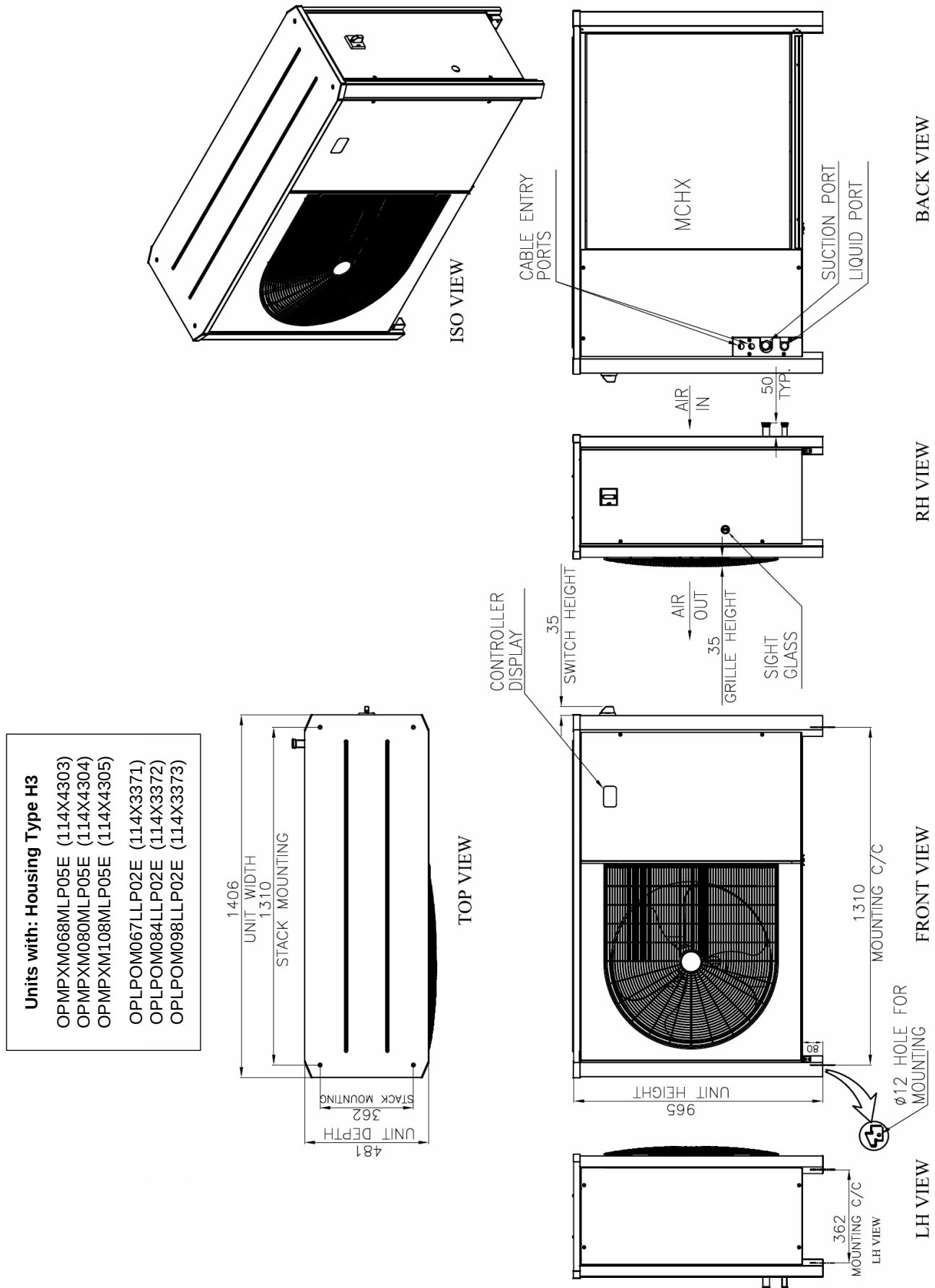


Condensing Unit Dimensions - Housing Type H2



DANFOSS OPTYMA PLUS UNITS

Condensing Unit Dimensions - Housing Type H3



DANFOSS OPTYMA PLUS UNITS

Condensing Unit Dimensions - Housing Type H4

Units with: Housing Type H4

- OPMPXM125MLP05E (114X4401)
- OPMPXM162MLP05E (114X4402)
- OPLPOM120LLP02E (114X3485)
- OPLPOM168LLP02E (114X3486)

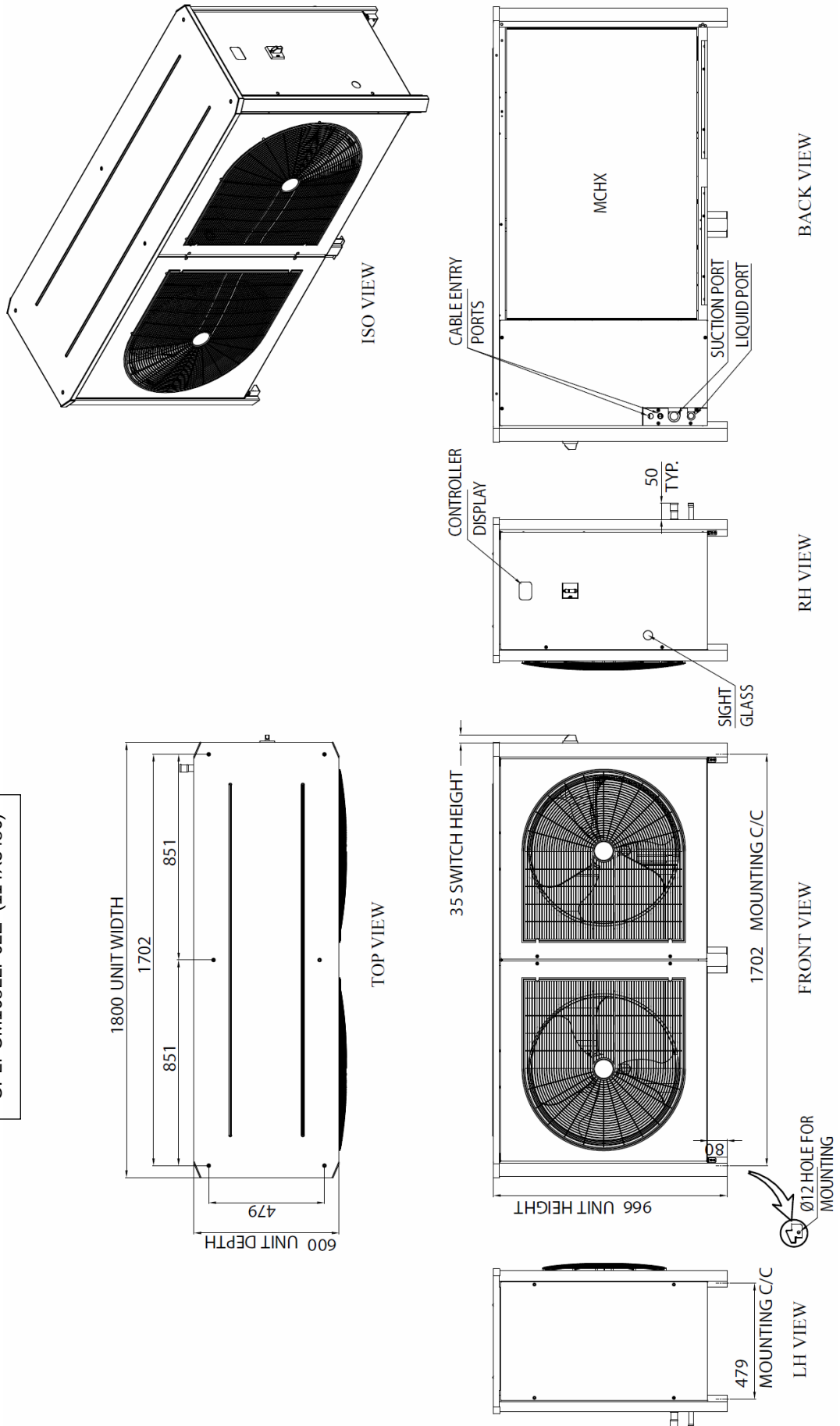
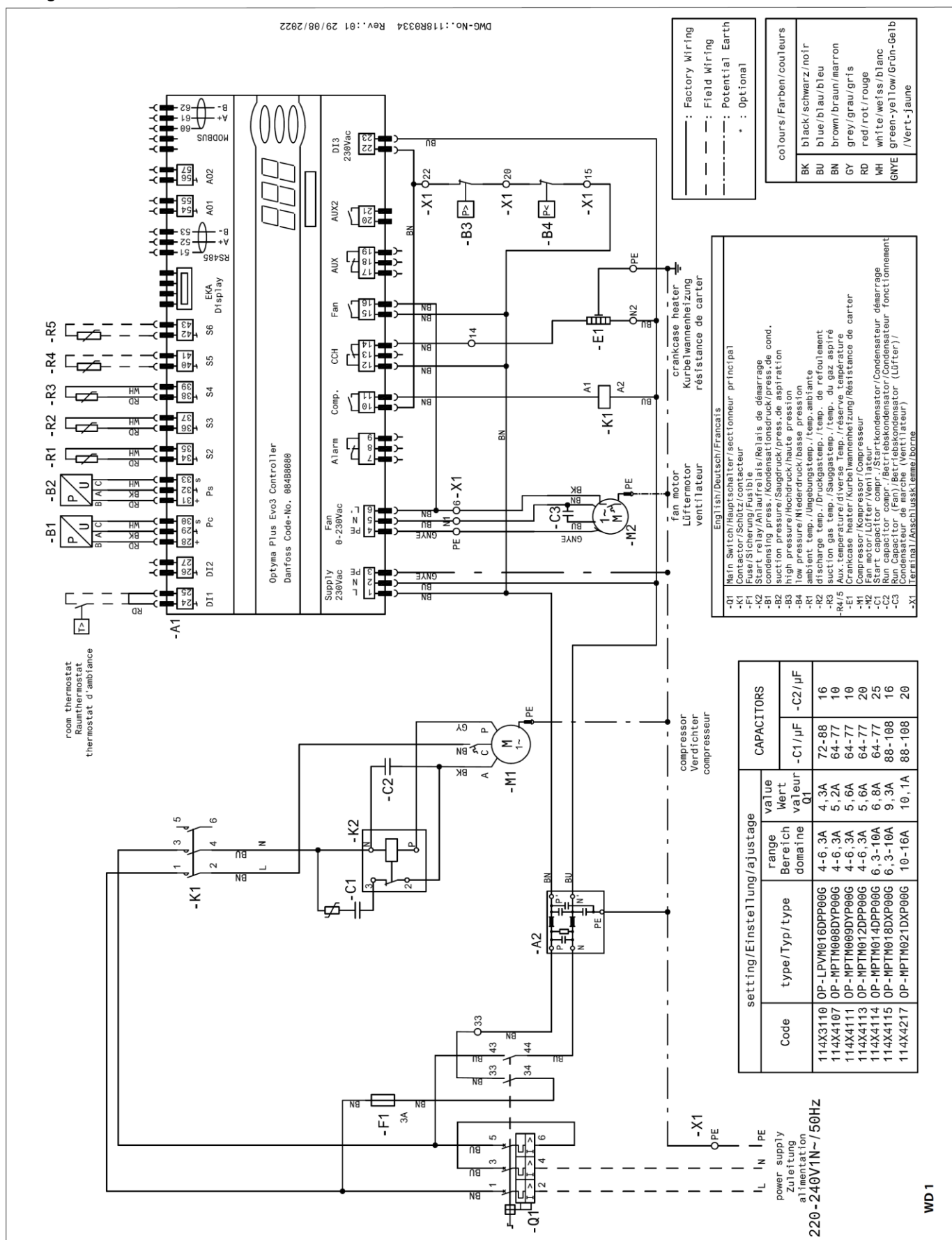
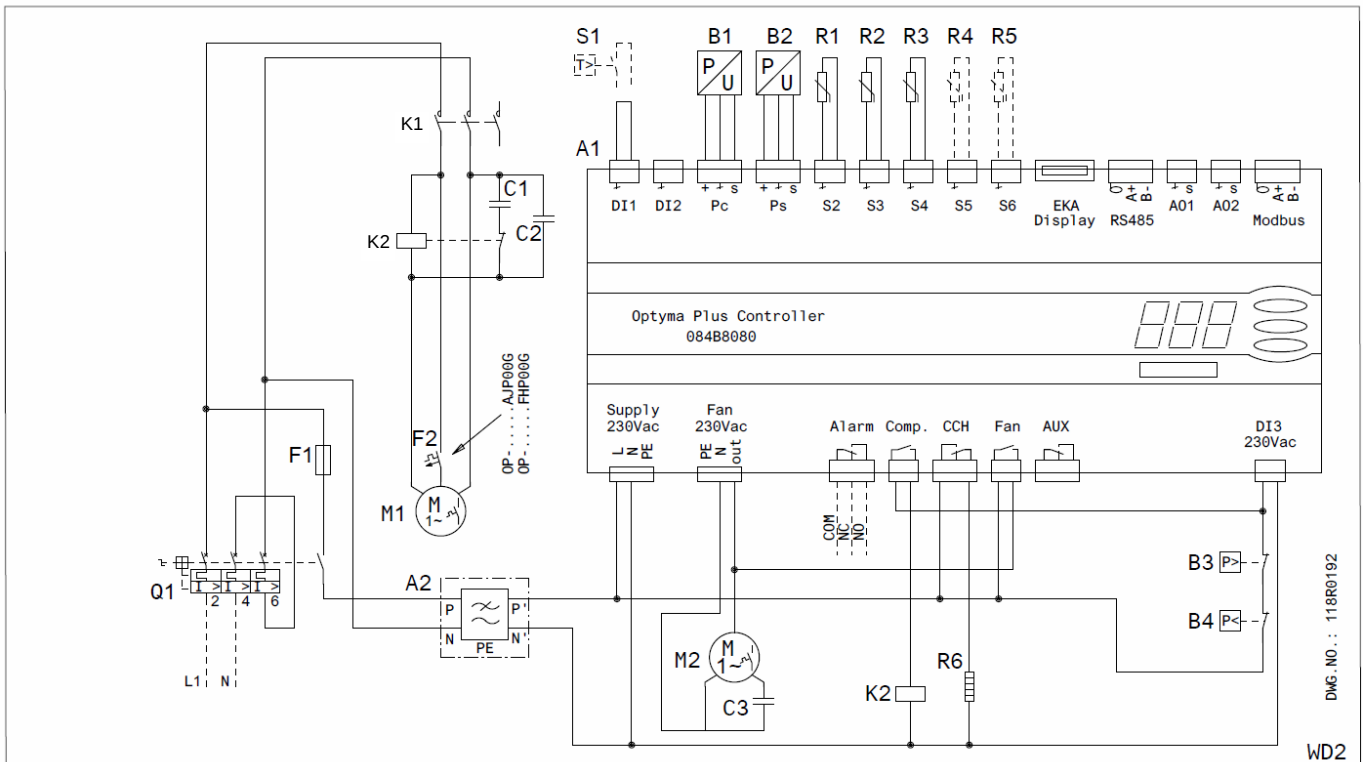


Diagram WD1: OPMPTM018DXP00G



OPTYMA PLUS UNIT - WIRING DIAGRAMS

Diagram WD2A : OPMPTM026DSP00G



A1 : Optyma™ Plus Controller
A2 : EMI Filter
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 : Motor Protector
K2 : Start Relay
K1 : Contactor
M1 : Compressor
M2 : Fan Motor
Q1 : Main Switch

R1 : Ambient Temp. Sensor
R2 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4,R5 : Auxiliary Temp. Sensor (optional)
R6 : Crankcase Heater
S1 : Room Thermostat (optional)

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



OPTYMA PLUS UNIT - WIRING DIAGRAMS

Diagram WD2: OPLPQM026AJP00G, OPLPQM048NTP00G, OPLPQM068NTP00G

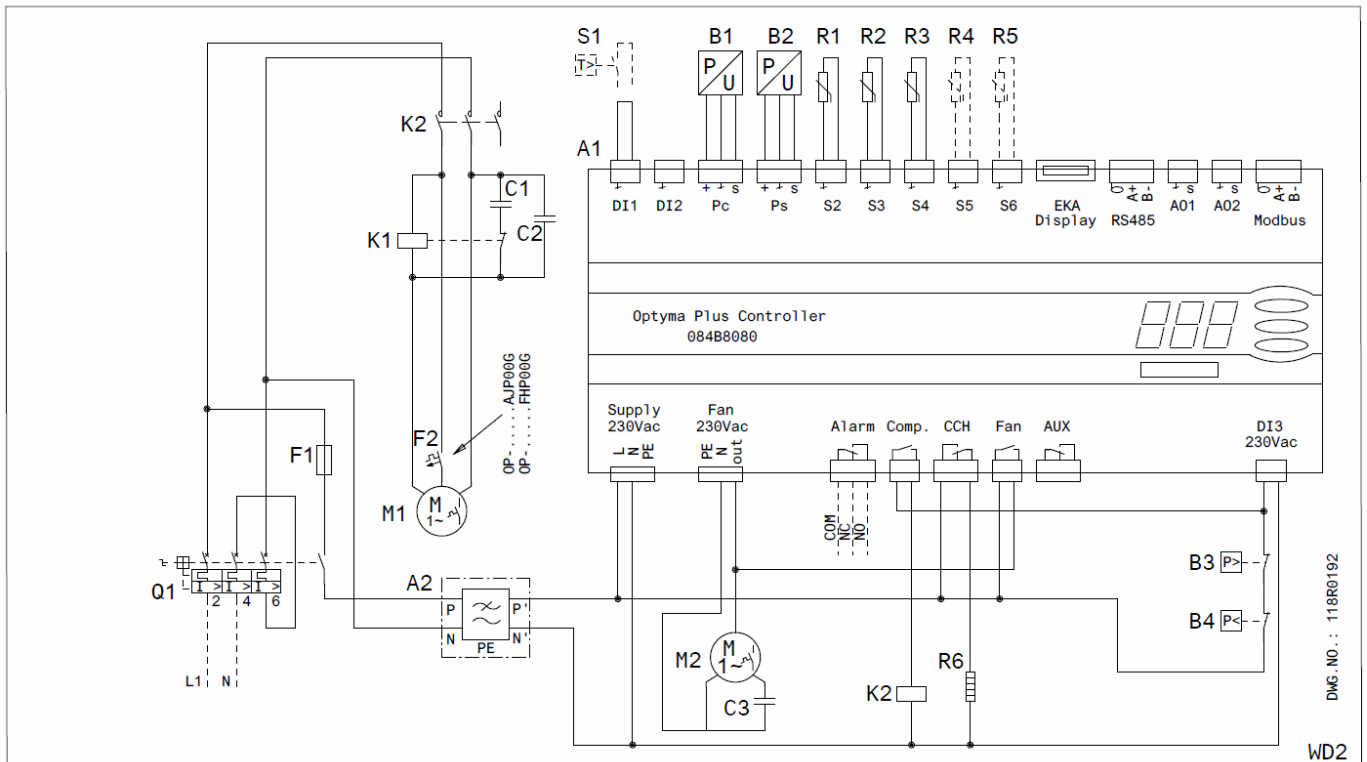
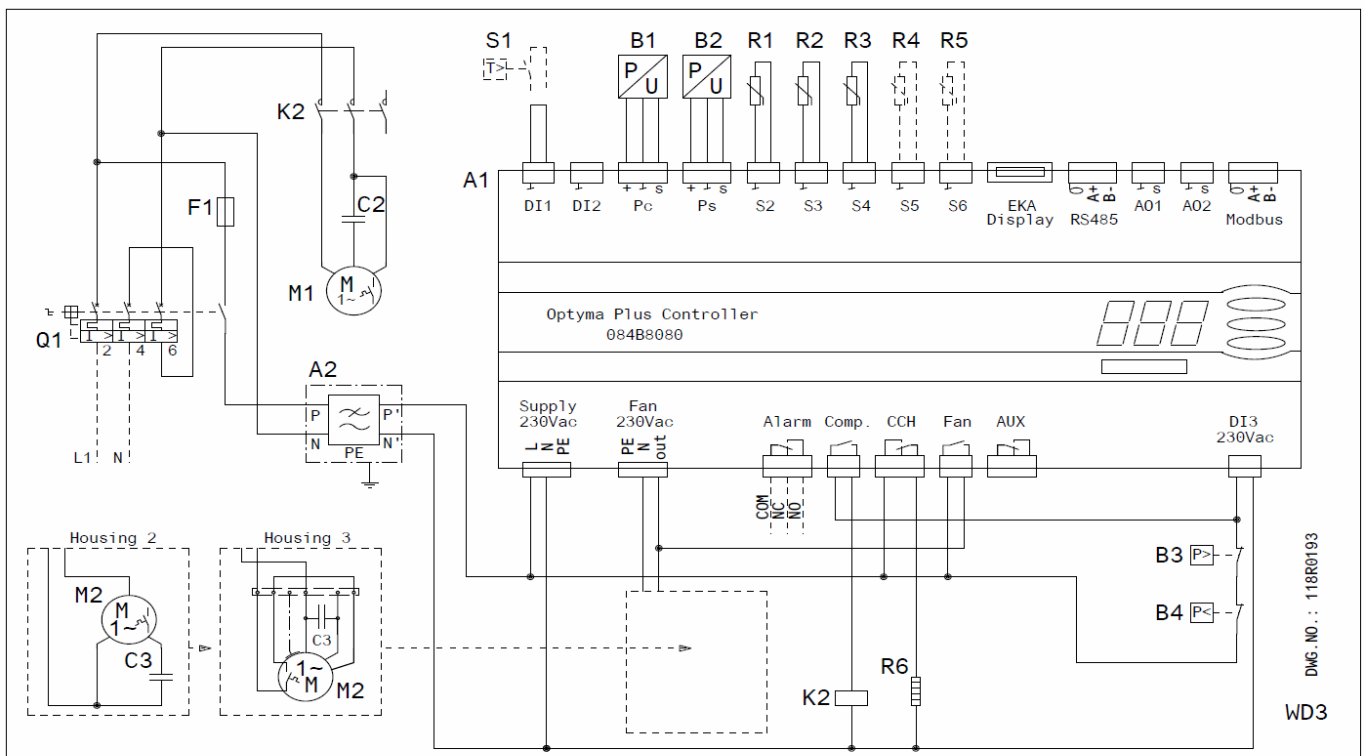


Diagram WD3: OPMPXM034MLP00G (**PSC type units - prior to 10.10.2022)



A1 : Optima™ Plus Controller
A2 : EMI Filter
B1 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch
B4 : Low Pressure Switch
C1 : Start Capacitor (Compressor)
C2 : Run Capacitor (Compressor)

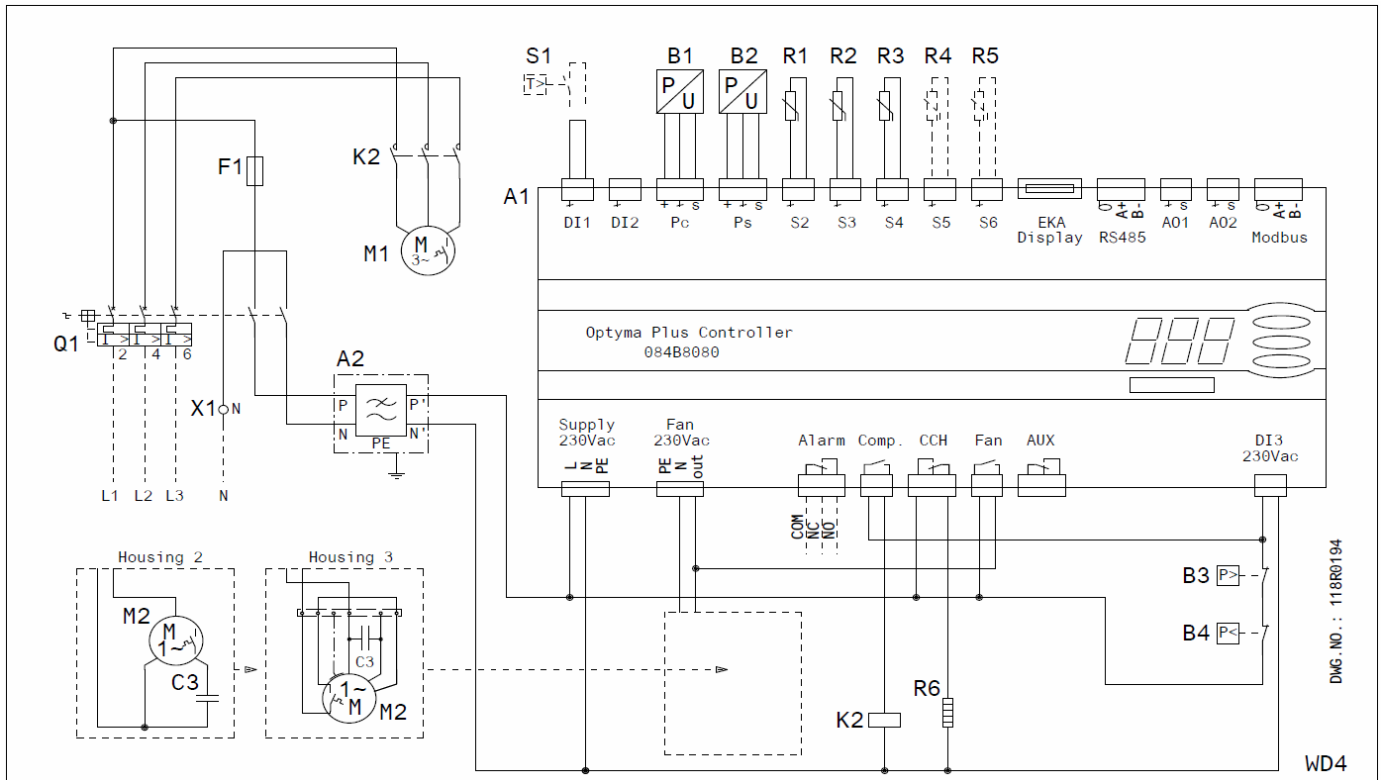
C3 : Run Capacitor (Fan)
F1 : Fuse (Control Circuit)
F2 : Motor Protector
K1 : Start Relay
K2 : Contactor
M1 : Compressor
M2 : Fan Motor
Q1 : Main Switch

R1 : Ambient Temp. Sensor
R2 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4,R5 : Auxiliary Temp. Sensor (optional)
R6 : Crankcase Heater
S1 : Room Thermostat (optional)

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

OPTYMA PLUS UNITS - WIRING DIAGRAMS

Diagram WD4: OPLPQM068NTP00E



A1 : Optyma™ Plus Controller

A2 : EMI Filter

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)

K2 : Contactor

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,R5 : Auxiliary Temp. Sensor (optional)

R6 : Crankcase Heater

S1 : Room Thermostat (optional)

S2 : Door Limit Switch

X1 : Terminal

Supply : Supply

Fan : Fan

Alarm : Alarm

Comp. : Compressor

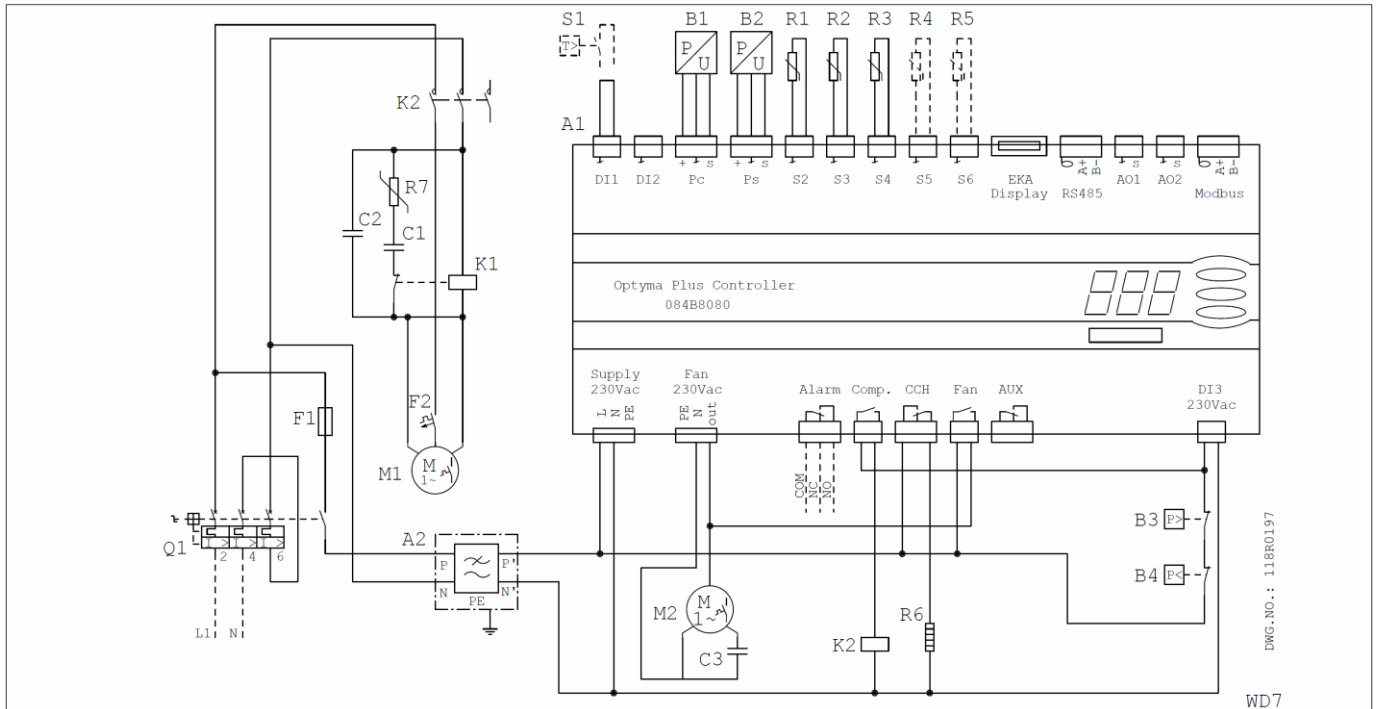
CCH : Crankcase Heater

Aux : Auxiliary



OPTYMA PLUS UNITS - WIRING DIAGRAMS

Diagram WD7: OPMPBM014DPP00G



English Legend

A1 : Optyma™ Plus Controller
A2 : EMI Filter
A3 : Liquid Injection Controller
B1,B5 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch (OFF = 31bar(g),
 ON = 24bar(g))
B4 : Low Pressure Switch (OFF = -0,3bar(g),
 ON = 0,5bar(g))
C1 : Start Capacitor (Compressor)

C2 : Run Capacitor (Compressor)
C3 : Run Capacitor (Fan 1)
C4 : Run Capacitor (Fan 2)
F1 : Fuse (Control Circuit)
F2,F3 : Motor protector
K1 : Start Relay
K2 : Contactor
M1 : Compressor
M2 : Fan Motor 1
M3 : Fan Motor 2
M4 : Electronic Expansion Valve

Q1 : Main Switch
R1 : Ambient Temp. Sensor
R2,R8 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4,R5 : Auxiliary Temp. Sensor (optional)
R6 : Crankcase Heater
R7 : NTC Resistor
S1 : Room Thermostat (optional)
S2 : Door Limit Switch
X1 : Terminal

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



Optyma Plus units are top performing when quietness, high efficiency, connectivity and fast installation and maintenance matter.

This series of Danfoss units are supplied with high performance electronic controllers plus more.



OPTYMA PLUS UNITS - WIRING DIAGRAMS

Diagram WD8: OPLPOM067LLP02E, OPLPOM084LLP02E, OPLPOM098LLP02E

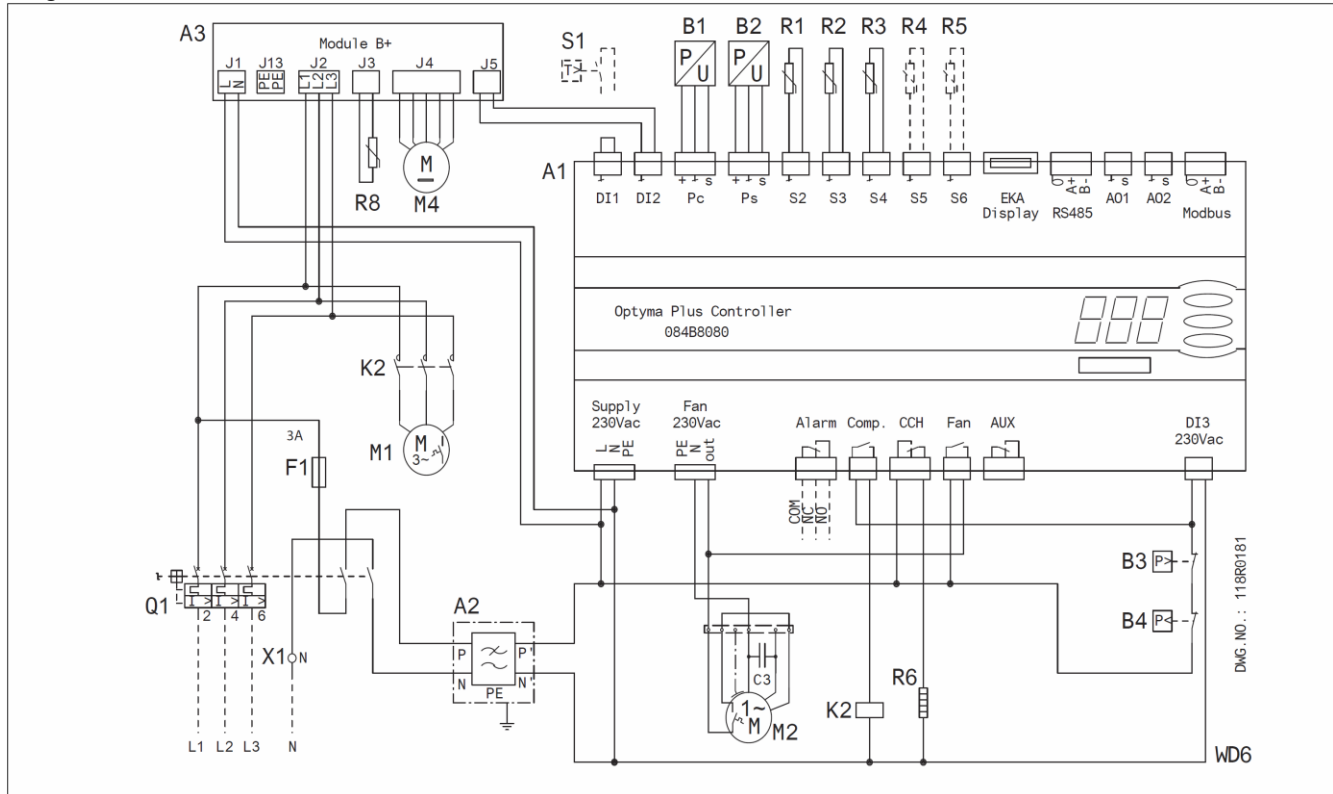
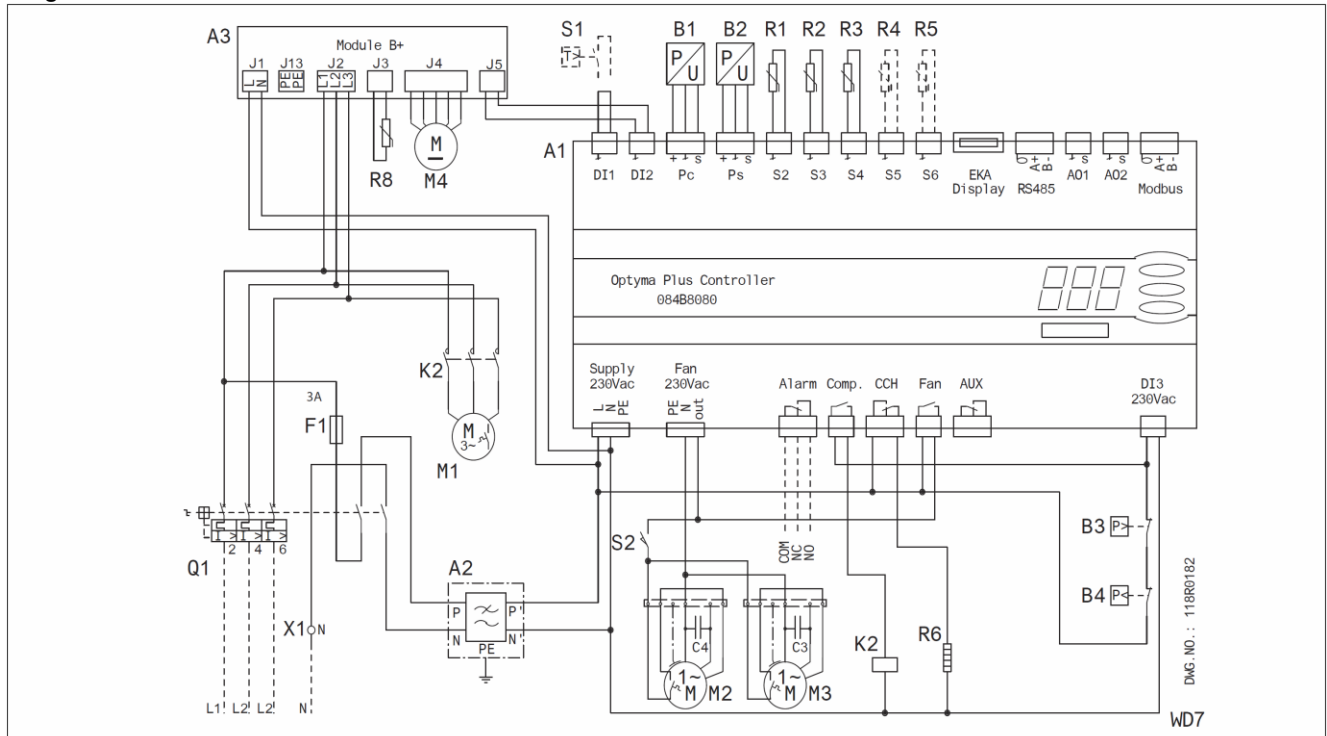


Diagram WD9: OPLPOM120LLP02E, OPLPOM168LLP02E



English Legend

A1 : Optyma™ Plus Controller

A2 : EMI Filter

A3 : Liquid Injection Controller

B1,B5 : Condensing Pressure Transducer

B2 : Suction Pressure Transducer

B3 : High Pressure Switch (OFF = 31bar(g),
ON = 24bar(g))

B4 : Low Pressure Switch (OFF = -0,3bar(g),
ON = 0,5bar(g))

C1 : Start Capacitor (Compressor)

C2 : Run Capacitor (Compressor)

C3 : Run Capacitor (Fan 1)

C4 : Run Capacitor (Fan 2)

F1 : Fuse (Control Circuit)

F2,F3 : Motor protector

K1 : Start Relay

K2 : Contactor

M1 : Compressor

M2 : Fan Motor 1

M3 : Fan Motor 2

M4 : Electronic Expansion Valve

Q1 : Main Switch

R1 : Ambient Temp. Sensor

R2,R8 : Discharge Temp. Sensor

R3 : Suction Temp. Sensor

R4,R5 : Auxiliary Temp. Sensor (optional)

R6 : Crankcase Heater

R7 : NTC Resistor

S1 : Room Thermostat (optional)

S2 : Door Limit Switch

X1 : Terminal

Supply : Supply

Fan : Fan

Alarm : Alarm

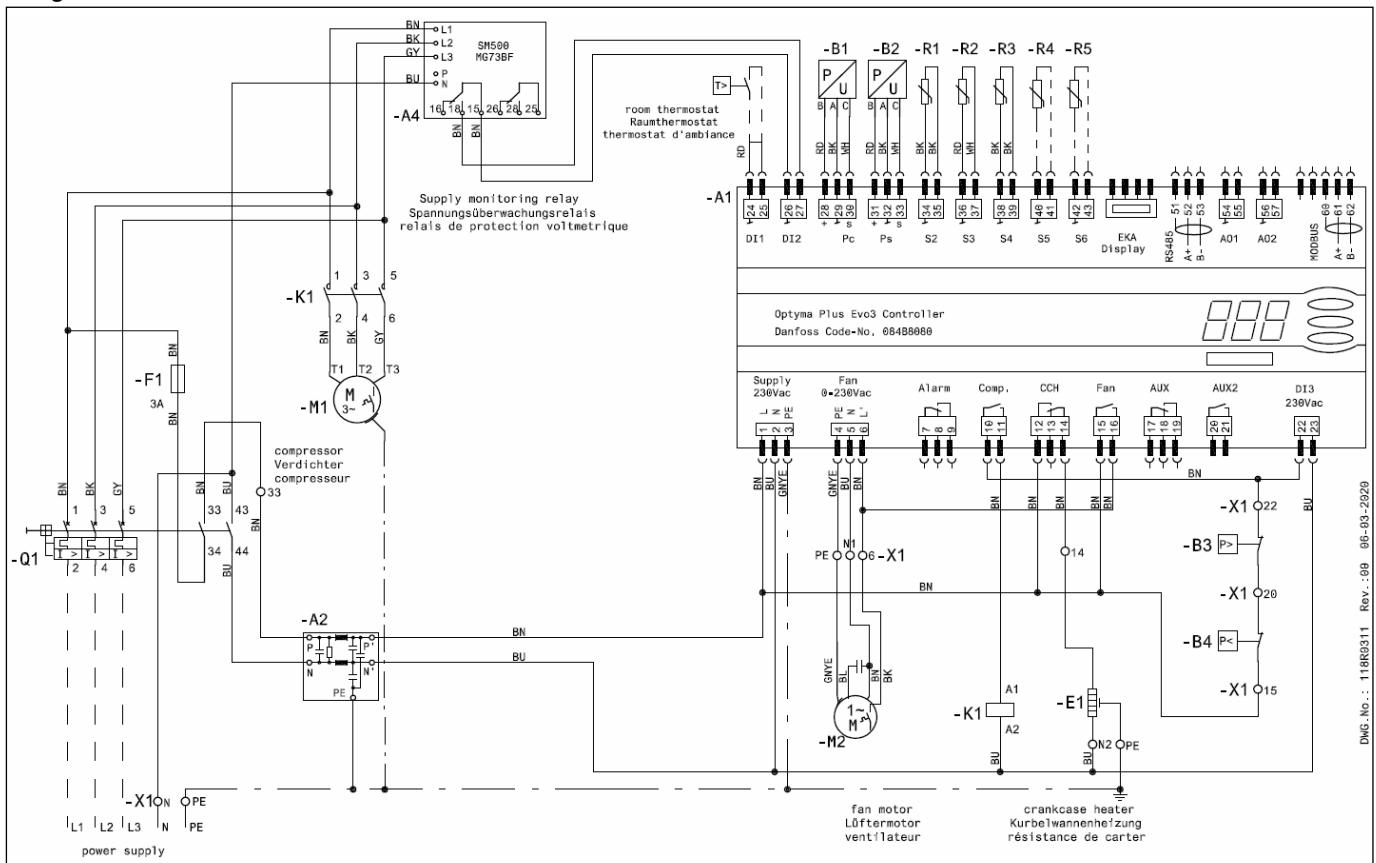
Comp. : Compressor

CCH : Crankcase Heater

Aux : Auxiliary

OPTYMA PLUS UNITS - WIRING DIAGRAMS

Diagram WD12: OPMPXM046MLP05E, OPMPXM057MLP05E



English Legend

A1 : Optyma™ Plus Controller
A2 : EMI Filter
A3 : Liquid Injection Controller
B1,B5 : Condensing Pressure Transducer
B2 : Suction Pressure Transducer
B3 : High Pressure Switch (OFF = 31bar(g),
ON = 24bar(g))
B4 : Low Pressure Switch (OFF = -0,3bar(g),
ON = 0,5bar(g))
C1 : Start Capacitor (Compressor)

C2 : Run Capacitor (Compressor)
C3 : Run Capacitor (Fan 1)
C4 : Run Capacitor (Fan 2)
F1 : Fuse (Control Circuit)
F2,F3 : Motor protector
K1 : Contactor
K2 : Start Relay
M1 : Compressor
M2 : Fan Motor 1
M3 : Fan Motor 2
M4 : Electronic Expansion Valve

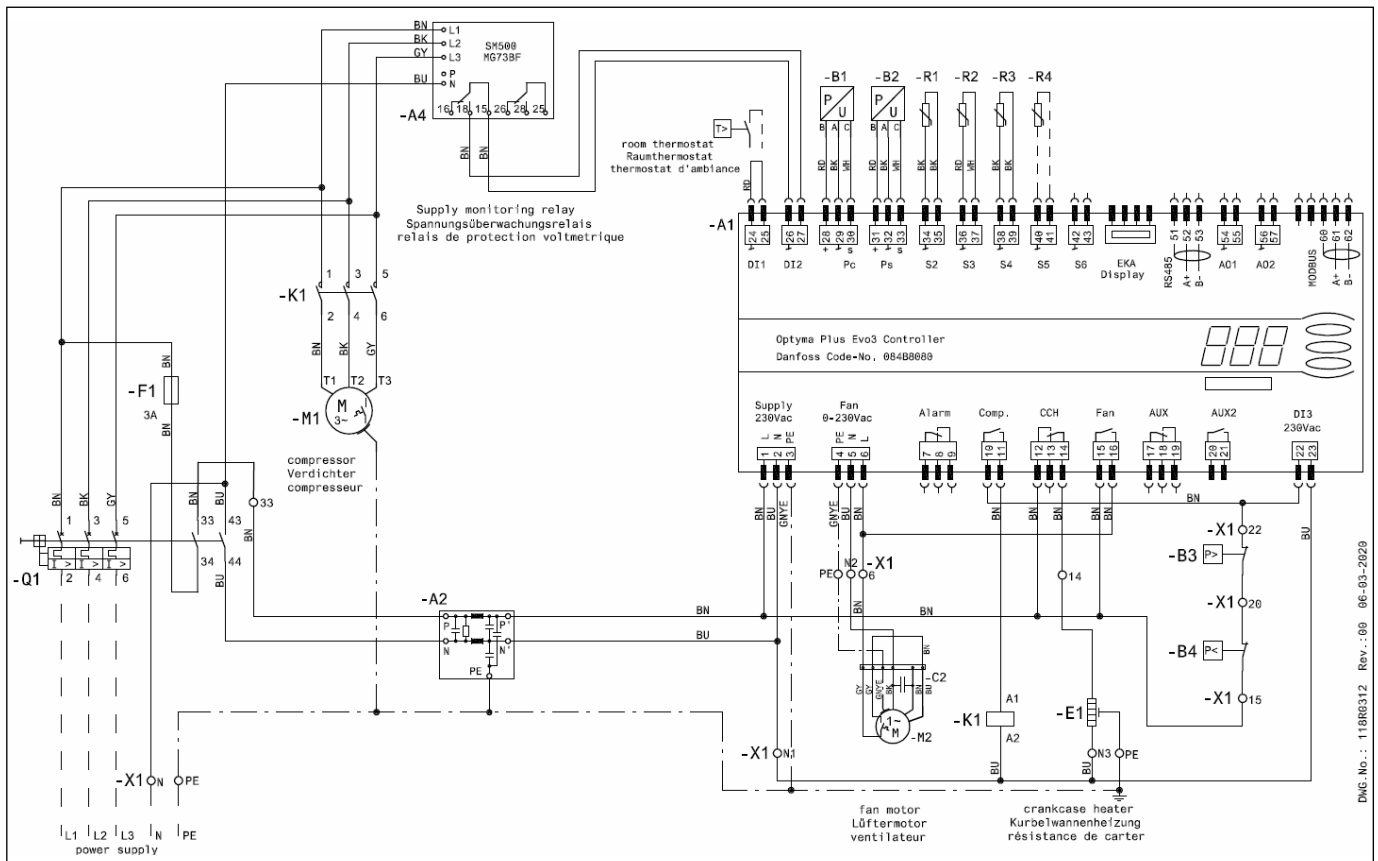
Q1 : Main Switch
R1 : Ambient Temp. Sensor
R2,R8 : Discharge Temp. Sensor
R3 : Suction Temp. Sensor
R4,R5 : Auxiliary Temp. Sensor (optional)
R6 : Crankcase Heater
R7 : NTC Resistor
S1 : Room Thermostat (optional)
S2 : Door Limit Switch
X1 : Terminal

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



OPTYMA PLUS UNITS - WIRING DIAGRAMS

Diagram WD13: OPMPXM068MLP05E, OPMPXM080MLP05E, OPMPXM108MLP05E



English Legend

- A1** : Optyma™ Plus Controller
- A2** : EMI Filter
- A3** : Liquid Injection Controller
- B1,B5** : Condensing Pressure Transducer
- B2** : Suction Pressure Transducer
- B3** : High Pressure Switch (OFF = 31bar(g), ON = 24bar(g))
- B4** : Low Pressure Switch (OFF = -0,3bar(g), ON = 0,5bar(g))
- C1** : Start Capacitor (Compressor)

- C2** : Run Capacitor (Compressor)
- C3** : Run Capacitor (Fan 1)
- C4** : Run Capacitor (Fan 2)
- F1** : Fuse (Control Circuit)
- F2,F3** : Motor protector
- K1** : Contactor
- K2** : Start Relay
- M1** : Compressor
- M2** : Fan Motor 1
- M3** : Fan Motor 2
- M4** : Electronic Expansion Valve

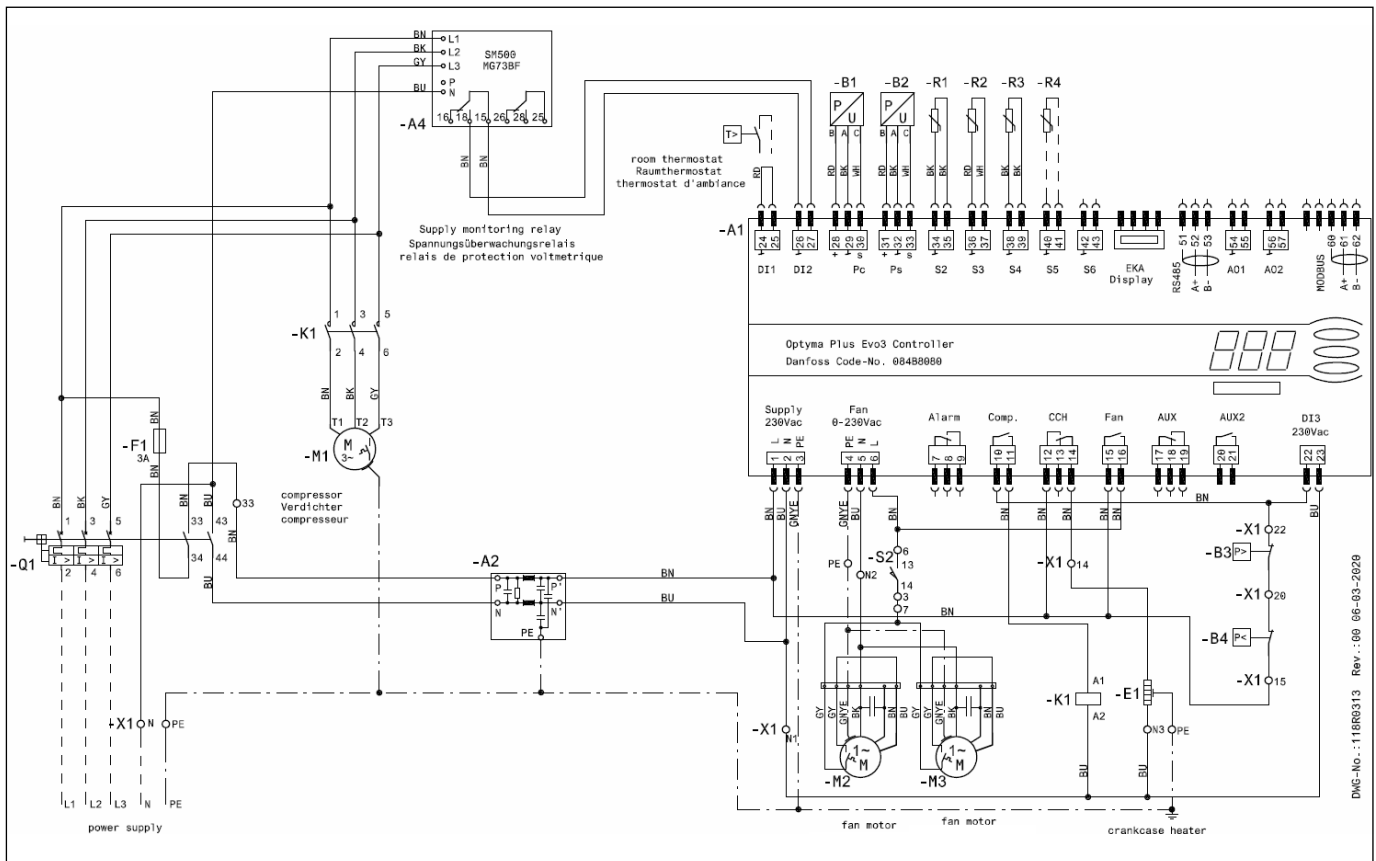
- Q1** : Main Switch
- R1** : Ambient Temp. Sensor
- R2,R8** : Discharge Temp. Sensor
- R3** : Suction Temp. Sensor
- R4,R5** : Auxiliary Temp. Sensor (optional)
- R6** : Crankcase Heater
- R7** : NTC Resistor
- S1** : Room Thermostat (optional)
- S2** : Door Limit Switch
- X1** : Terminal

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



DANFOSS PLUS UNITS - WIRING DIAGRAMS

Diagram WD14: OPMPXM125MLP05E, OPMPXM162MLP05E



English Legend

A1 : Optima™ Plus Controller

A2 : EMI Filter

A3 : Liquid Injection Controller

B1,B5 : Condensing Pressure Transducer

B2 : Suction Pressure Transducer

B3 : High Pressure Switch (OFF = 31bar(g),
ON = 24bar(g))

B4 : Low Pressure Switch (OFF = -0,3bar(g),
ON = 0,5bar(g))

C1 : Start Capacitor (Compressor)

C2 : Run Capacitor (Compressor)

C3 : Run Capacitor (Fan 1)

C4 : Run Capacitor (Fan 2)

F1 : Fuse (Control Circuit)

F2,F3 : Motor protector

K1 : Contactor

K2 : Start Relay

M1 : Compressor

M2 : Fan Motor 1

M3 : Fan Motor 2

M4 : Electronic Expansion Valve

Q1 : Main Switch

R1 : Ambient Temp. Sensor

R2,R8 : Discharge Temp. Sensor

R3 : Suction Temp. Sensor

R4,R5 : Auxiliary Temp. Sensor (optional)

R6 : Crankcase Heater

R7 : NTC Resistor

S1 : Room Thermostat (optional)

S2 : Door Limit Switch

X1 : Terminal

Supply : Supply

Fan : Fan

Alarm : Alarm

Comp. : Compressor

CCH : Crankcase Heater

Aux : Auxiliary



DANFOSS OPTYMA PLUS UNITS

Optyma Plus Unit - Spare Parts

Part Description	Model			
	OPMPBM014DPP00G (114X4122)	OPMPTM018DXP00G (114X4115)	OPMPTM026DSP00G (114X4238)	OPMPXM034MLP00G (114X4261)
Compressor (single pack)	123B2704 MPT14RA (1PH)	123B6007 DX18Tba (1PH)	123B6009 DS26TB (1PH)	121L8631 MLZ015T5A (1PH)
Condenser	118U5217	118U5217	118U5218	118U5218
Discharge pressure sensor	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)
Fan Assembly	-	-	-	-
Fan blade	118U3480 (365mm)	118U3480 (365mm)	118U3481 (450mm)	118U3481 (450mm)
Fan capacitor	118U3296 (1.8 µF)	118U3296 (1.8 µF)	118U3297 (3.5 µF)	118U3297 (3.5 µF)
Fan cowl/grill	118U3483 (372mm)	118U3483 (372mm)	118U3484 (457mm)	118U3484 (457mm)
Fan motor	118U33477 (25W)	118U3477 (25W)	118U3823 (68W)	118U3823 (68W)
Filter drier	023Z5040 (DML083)	023Z5040 (DML083)	023Z5040 (DML083)	023Z5041 (DML084)
High-pressure switch	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)
Liquid valve Note: GBC valves will be replaced by LBC models in late 2018	009G7051 (GBC10s)	009L7051 (GBC10s)	009G7051 (GBC10s)	009G7052 (GBC12s)
Low-pressure switch	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)
Receiver	118U3474 (1.3L)	118U4069 (1.3L)	118U3475 (3.4L)	118U3475 (3.4L)
Sight glass	014L0181 (SGP6N)	014L0182 (SGP10s N)	014L0172 (SGP10N)	014L0173 (SGP12N)
Suction pressure sensor	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)
Suction valve Note: GBC valves will be replaced by LBC models in late 2018	009G7051 (GBC10s)	009L7051 (GBC10s)	009G7052 (GBC12s)	009G7054 (GBC18s)

Electrical Spare Parts

Crankcase heater	118U0051 (Belt Type 55W 220V)	120Z0057 Belt type 50 W, 230 V	120Z0057 (Belt type 50W 230V)	120Z5040 (Belt type 70W 240V)
Optyma™ Plus Controller	118U3465	118U3465	118U3465	118U3465
Discharge temperature sensor	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)
Suction & Ambient temperature sensor	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)
Contactor kit	118U3845 (ABB-A9-30-01-80+CA5-11)	118U3846 (ABB-A12-30-01-80+CA5-11)	118U3847 (A 16-30-01-80, DILM15-01)	118U3848 (ABB-A26-30-01-80+CA5-11)
Door handle	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)
Main switch kit	118U3853 ABB-MS116-16+HK1-20	118U3851 ABB-MS116-10+HK1-20	118U3852 (MS116 - 16+HK1-12)	118U3854 (ABB-MS132-20+HK1-12)
Run capacitor (**PSC & **CSR models)	123B9226 (25µF 420V)	123B9219 (16µF 420V)	123B9215 (20µF 420V)	** 8173231 (40µF 440V)
Starting capacitor (**CSR models)	123B9315 (64-77µF 330V)	123B9321 (88-108µF 330V)	123B9304 (88-108µF 330V)	** 120Z0399 (145-175µF)
Starting relay (**CSR models)	123B9139 (Relay + Con. Board ECC2 1166-8)	123B9159	123B9154 (RELE TENSION 9002, RF.ELECTRI.RVA 3G 3C)	** 120Z0393 (RVA9CKL/3ARR3J4A4)

DANFOSS OPTYMA PLUS UNITS

Optyma Plus Unit - Spare Parts (cont'd)

Part Description	Model			
	OPMPXM046MLP05E (114X4202)	OPMPXM057MLP05E (114X4203)	OPMPXM068MLP05E (114X4303)	OPMPXM080MLP05E (114X4304)
Compressor (single pack)	121L8633 MLZ021T4A (3PH)	121L8637 MLZ026T4A (3PH)	121L8641 MLZ030T4A (3PH)	121L8645 MLZ038T4A (3PH)
Condenser	118U5218	118U5218	118U5219	118U5219
Discharge pressure sensor	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)
Fan Assembly	-	-	118U3829	118U3829
Fan blade	118U3481 (450mm)	118U3481 (450mm)	-	-
Fan capacitor	118U3297 (3.5 µF)	118U3297 (3.5 µF)	-	-
Fan cowl/grill	118U3484 (457mm)	118U3484 (457mm)	118U3485 (609mm)	118U3485 (609mm)
Fan motor	118U3823 (68W)	118U3823 (68W)	-	-
Filter drier	023Z5041 (DML084)	023Z5041 (DML084)	023Z5045 (DML165)	023Z5045 (DML165)
High-pressure switch	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)
Liquid valve Note: GBC valves will be replaced by LBC models in late 2018	009G7052 (GBC12s)	009G7052 (GBC12s)	009G7053 (GBC16s)	009G7053 (GBC16s)
Low-pressure switch	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)
Receiver	118U3475 (3.4L)	118U3475 (3.4L)	118U3476 (6.2L)	118U3476 (6.2L)
Sight glass	014L0173 (SGP12N)	014L0173 (SGP12N)	014L0174 (SGP16N)	014L0174 (SGP16N)
Suction pressure sensor	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)
Suction valve Note: GBC valves will be replaced by LBC models in late 2018	009G7054 (GBC18s)	009G7054 (GBC18s)	009G7055 (GBC22s)	009G7055 (GBC22s)

Electrical Spare Parts

Crankcase heater	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)
Optyma™ Plus Controller	118U3465	118U3465	118U3465	118U3465
Discharge temperature sensor	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)
Suction & ambient temperature sensor	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)
Contact kit	118U3846 (ABB-A12-30-01-80+CA5-11)	118U3846 (ABB-A12-30-01-80+CA5-11)	118U3847 (ABB-A16-30-01-80+CA5-11)	118U3847 (ABB-A16-30-01-80+CA5-11)
Door handle	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)
Main switch kit	118U3852 (ABB-MS116-16+HK1-12)	118U3852 (ABB-MS116-16+HK1-12)	118U3852 (ABB-MS116-16+HK1-12)	118U3852 (ABB-MS116-16+HK1-12)
Sequence Phase Relay	118U3882 (Kit SPPR) GIC-SM500-MG73BF	118U3882 (Kit SPPR) GIC-SM500-MG73BF	118U3882 (Kit SPPR) GIC-SM500-MG73BF	118U3882 (Kit SPPR) GIC-SM500-MG73BF
Run capacitor	-	-	-	-
Starting capacitor	-	-	-	-
Starting relay	-	-	-	-

DANFOSS OPTYMA PLUS UNITS

Optyma Plus Unit - Spare Parts (cont'd)

Part Description	Model			
	OPMPXM108MLP05E (114X4305)	OPMPXM125MLP05E (114X4401)	OPMPXM162MLP05E (114X4402)	OPLPQM026AJP00G (114X3216)
Compressor (single pack)	121L8651 MLZ048T4A (3PH)	121L8653 MLZ058T4A (3PH)	121L8655 MLZ076T4A (3PH)	118U3992 CAJ2446Z (1PH)
Condenser	118U5219	118U5220	118U5220	118U5218
Discharge pressure sensor	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)	118U4021 ^(was 118U3722) (DST P100 0...32 bar)
Fan Assembly	118U3829	118U3829	118U3829	-
Fan blade	-	-	-	118U3481 (450mm)
Fan capacitor	-	-	-	118U3297 (3.5 µF)
Fan cowl/grill	118U3485 (609mm)	118U3485 (609mm)	118U3485 (609mm)	118U3484 (457mm)
Fan motor	-	-	-	118U3823 (68W)
Filter drier	023Z5045 (DML165)	023Z5046 (DML166)	023Z5046 (DML166)	023Z5040 (DML083)
High-pressure switch	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)
Liquid valve Note: GBC valves will be replaced by LBC models in late 2018	009G7053 (GBC16s)	009G7054 (GBC18s)	009G7054 (GBC18s)	009G7051 (GBC10s)
Low-pressure switch	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)
Receiver	118U3476 (6.2L)	118U3716 (10L)	118U3716 (10L)	118U3475 (3.4L)
Sight glass	014L0174 (SGP16N)	014L0175 (SGP19N)	014L0175 (SGP19N)	014L0172 (SGP10N)
Suction pressure sensor	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)	118U4025 ^(was 118U3721) (DST P100 -1...12 bar)
Suction valve Note: GBC valves will be replaced by LBC models in late 2018	009G7055 (GBC22s)	009G7056 (GBC28s)	009G7056 (GBC28s)	009G7052 (GBC12s)

Electrical Spare Parts

Crankcase heater	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z0057 (Belt type 50W 230V)
Optyma™ Plus Controller	118U3465	118U3465	118U3465	118U3465
Discharge temperature sensor	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)
Suction & ambient temperature sensor	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)
Contact kit	118U3848 (ABB-A26-30-01-80+CA5-11)	118U3847 (ABB-A16-30-01-80+CA5-11)	118U3848 (ABB-A26-30-01-80+CA5-11)	118U3845 (ABB-A9-30-01-80+CA5-11)
Door handle	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)
Main switch kit	118U3854 (ABB-MS132-20+HK1-12)	118U3855 (ABB-MS132-25+HK1-12)	118U3856 (ABB-MS132-32+HK1-12)	118U3851 (ABB-MS116-10+HK1-12)
Sequence Phase Relay	118U3882 (Kit SPPR) GIC-SM500-MG73BF	118U3882 (Kit SPPR) GIC-SM500-MG73BF	118U3882 (Kit SPPR) GIC-SM500-MG73BF	-
Run capacitor	-	-	-	118U5191 CAJ2446Z F1 KIT Supplied With: Relay Start Capacitor Run Capacitor
Starting capacitor	-	-	-	
Starting relay	-	-	-	

DANFOSS OPTYMA PLUS UNITS

Optyma Plus Unit - Spare Parts (cont'd)

Part Description	Model			
	OPLPQM048NTP00G (114X3225)	OPLPQM068NTP00G (114X3241)	OPLPQM068NTP00E (114X3249)	OPLPOM067LLP02E (114X3371)
Compressor (single pack)	120F0228 NTZ048-5B (1PH)	120F0232 NTZ068-5B (1PH)	120F0230 NTZ068-4B (3PH)	121L9535 LLZ013T4A (3PH)
Condenser	118U5218	118U5218	118U5218	118U5219
Discharge pressure sensor	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)
Fan Assembly	-	-	-	118U3829
Fan blade	118U3481 (450mm)	118U3481 (450mm)	118U3481 (450mm)	-
Fan capacitor	118U3297 (3.5 µF)	118U3297 (3.5 µF)	118U3297 (3.5 µF)	-
Fan cowl/grill	118U3484 (457mm)	118U3484 (457mm)	118U3484 (457mm)	118U3485 (609mm)
Fan motor	118U3823 (68W)	118U3823 (68W)	118U3823 (68W)	-
Filter drier	023Z5040 (DML083)	023Z5040 (DML083)	023Z5040 (DML083)	023Z5044 (DML164)
High-pressure switch	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)
Liquid valve Note: GBC valves will be replaced by LBC models in late 2018	009G7051 (GBC10s)	009G7051 (GBC10s)	009G7051 (GBC10s)	009G7052 (GBC12s)
Low-pressure switch	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)
Receiver	118U3475 (3.4L)	118U3475 (3.4L)	118U3475 (3.4L)	118U3476 (6.2L)
Sight glass	014L0172 (SGP10N)	014L0172 (SGP10N)	014L0172 (SGP10N)	014L0173 (SGP12N)
Suction pressure sensor	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)
Suction valve Note: GBC valves will be replaced by LBC models in late 2018	009G7053 (GBC16s)	009G7053 (GBC16s)	009G7053 (GBC16s)	009G7054 (GBC18s)

Electrical Spare Parts

Crankcase heater	120Z0057 (Belt type 50W 230V)	120Z0459 (PTC heater 27W)	120Z0459 (PTC heater 27W)	120Z5040 (Belt type 70W 240V)
Optyma™ Plus Controller	118U3465	118U3465	118U3465	118U3465
Discharge temperature sensor	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)
Suction & ambient temperature sensor	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)
Contact kit	118U3845 (ABB-A9-30-01-80+CA5-11)	118U3848 (A 26-30-01-80)	118U3845 (A 9-30-01-80,)	118U3846 A12-30-01-80, DILM12-01
Door handle	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)
Main switch kit	118U3851 (ABB-MS116-10+HK1-12)	118U3854 (ABB-MS132-20+HK1-12)	118U3851 (ABB-MS116-10+HK1-12)	118U3852 (MS116 - 16)
Run capacitor	8173041 (30µF 450V)	8173041 (30µF 450V)	-	-
Start capacitor (Pre: 2023) Start capacitor (Post: 2023)	8173001 (100µF 330V+R) 120Z0400 (161-193µF 330V)	8173001 (100µF 330V+R) 120Z0400 (161-193µF 330V)	-	-
Starting relay	8173022 (RVA-6AMKL/3ARR3J4A4)	8173022 (RVA-6AMKL/3ARR3J4A4)	-	-
Liquid Injection	Module: Elect valve: Coil 2m lead:	-	-	118U4010 034G5015 034G5185

DANFOSS OPTYMA PLUS UNITS

Optyma Plus Unit - Spare Parts (cont'd)

Part Description	Model			
	OPLPOM084LLP02E (114X3372)	OPLPOM098LLP02E (114X3373)	OPLPOM120LLP02E (114X3485)	OPLPOM168LLP02E (114X3486)
Compressor (single pack)	121L9537 LLZ015T4A (3PH)	121L9539 LLZ018T4A (3PH)	121L9541 LLZ024T4A (3PH)	121L9543 LLZ034T4A (3PH)
Condenser	118U5219	118U5219	118U5220	118U5220
Discharge pressure sensor	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)	118U4021(was 118U3722) (DST P100 0...32 bar)
Fan Assembly	118U3829	118U3829	118U3829	118U3829
Fan blade	-	-	-	-
Fan capacitor	-	-	-	-
Fan cowl/grill	118U3485 (609mm)	118U3485 (609mm)	118U3485 (609mm)	118U3485 (609mm)
Fan motor	-	-	-	-
Filter drier	023Z5044 (DML164)	023Z5044 (DML164)	023Z5046 (DML166)	023Z5046 (DML166)
High-pressure switch	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)	118U3718 (ACB-2UB463W)
Liquid valve Note: GBC valves will be replaced by LBC models in late 2018	009G7052 (GBC12s)	009G7052 (GBC12s)	009G7054 (GBC18s)	009G7054 (GBC18s)
Low-pressure switch	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)	118U3720 (ACB-2UA418W)
Receiver	118U3476 (6.2L)	118U3476 (6.2L)	118U3926 (10L)	118U3926 (10L)
Sight glass	014L0173 (SGP12N)	014L0173 (SGP12N)	014L0175 (SGP19N)	014L0175 (SGP19N)
Suction pressure sensor	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)	118U4025 (was 118U3721) (DST P100 -1..12 bar)
Suction valve Note: GBC valves will be replaced by LBC models in late 2018	009G7054 (GBC18s)	009G7054 (GBC18s)	009G7056 (GBC28s)	009G7056 (GBC28s)

Electrical Spare Parts

Crankcase heater	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)	120Z5040 (Belt type 70W 240V)
Optyma™ Plus Controller	118U3465	118U3465	118U3465	118U3465
Discharge temperature sensor	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)	084N2007 (AKS21A)
Suction & ambient temperature sensor	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)	084N0003 (AKS11)
Contact kit	118U3847 A 16-30-01-80, DILM15-01	118U3847 A 16-30-01-80, DILM15-01	118U3848 A 26-30-01-80, DILM17-01	118U3849 A 30-30-01-80, DILM25-01
Door handle	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)	118U3858 (ABB-OHB2AJM)
Main switch kit	118U3852 (MS116 - 16)	118U3852 (MS116 - 16)	118U3855 (MS132 - 25)	118U3856 (MS132 - 32)
Run capacitor	-	-	-	-
Starting capacitor	-	-	-	-
Starting relay	-	-	-	-
Liquid Injection	Module: Elect valve: Coil 2m lead:	118U4010 034G5015 034G5185	118U4010 034G5015 034G5185	118U4010 034G5015 034G5185