

ENGINEERING
TOMORROW

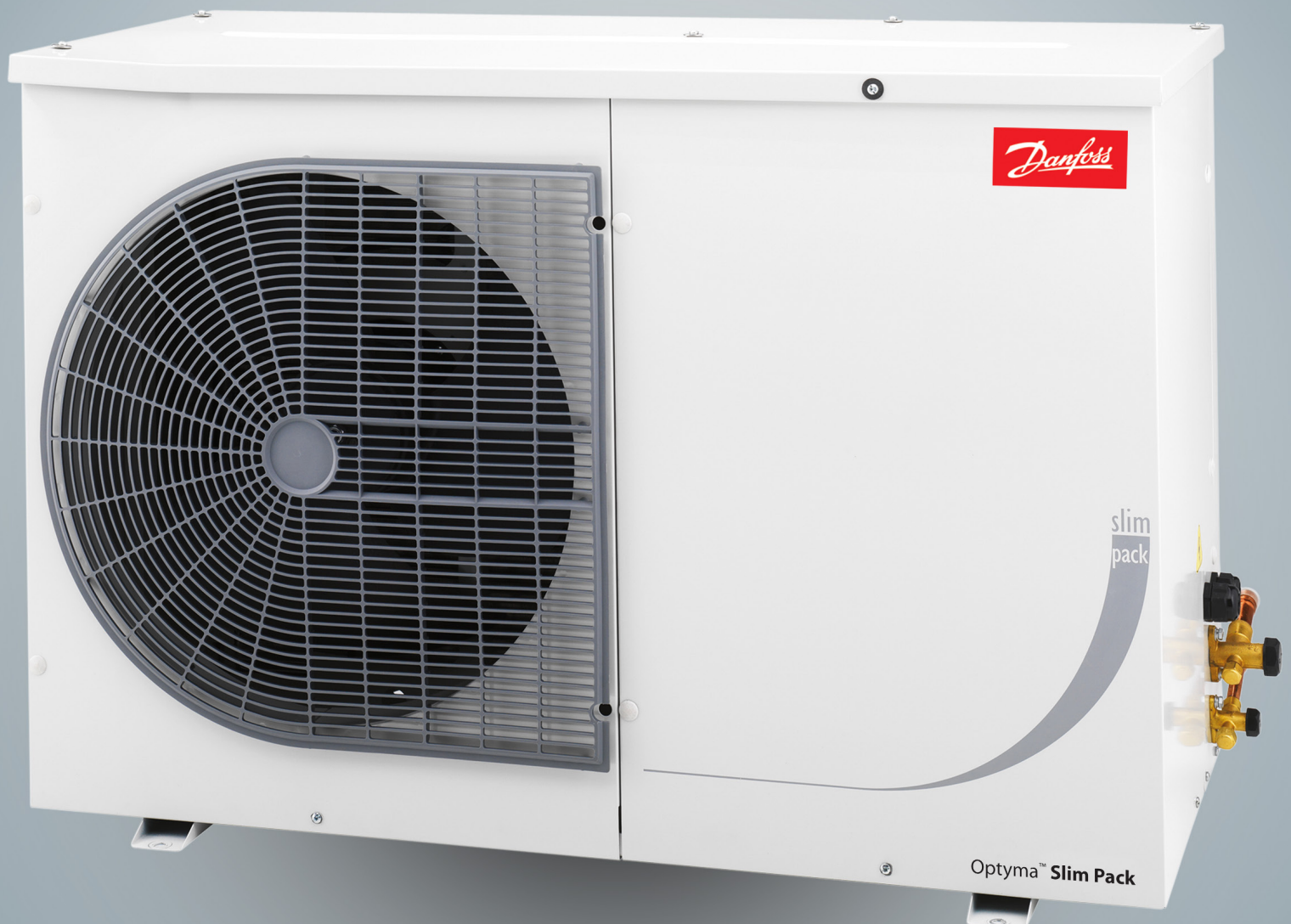
Danfoss

Catalogue

Optyma™ Slim Pack

Just mount, connect
piping and plug

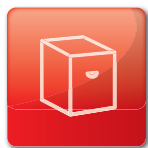
R404A/R507/R448A/R449A/R452A - R134a/R513A - R22 - 50Hz



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Optyma™
by Danfoss

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Compact and light for easy handling and transportation

System designed to perfectly fit into a compact and light housing. The Optyma™ **Slim Pack** weighs up to 87 kg, which makes it the lightest solution in the market.



Easy installation and cleaning

With quick connections of suction & liquid lines & service ports outside Optyma™ **Slim Pack** is among the fastest & easiest to install. Easy-to-clean MCHE saves your time & efforts, ensuring longer lifetime & optimized efficiency.



Increase business opportunity with extended range of condensing units

Thanks to weatherproof housing the Optyma™ **Slim Pack** meets outdoor application requirements and completes the Optyma™ range. It is specially designed for high ambient operations.



Well-known Danfoss quality and standards

We provide the units with highly reliable compressors, micro channel heat exchangers and all needed components which are pre-assembled, integrated and factory tested. We at Danfoss do not accept any compromise regarding reliability or quality of our products.



Stock and logistics optimization

Multirefrigerant condensing units with optimized packaging cover a wide variety of applications and reduce your stock. They can be used with R22, R404A/R507, R448A, R449A, R452A, R134a, R513A. Pick what best fits your application.



Increased efficiency & sustainable solutions

With the Optyma™ **Slim Pack** substantial energy savings can be achieved thanks to micro channel condenser. You are going to reduce the energy consumption significantly and therefore, cut the energy bills.

MBP and LBP applications:

- Mini-markets/supermarkets
- Milk cooling
- Dairy and general food storage
- Restaurants
- Fish markets
- Bakeries
- Laboratories
- Florists
- Petrol stations
- Industrial processes
- Wine cellars
- Cold rooms
- Freezers



Main product features

Outdoor application



- Weatherproof housing IP54
- Robust and resistant to corrosion
- Compact design

Micro channel heat exchanger



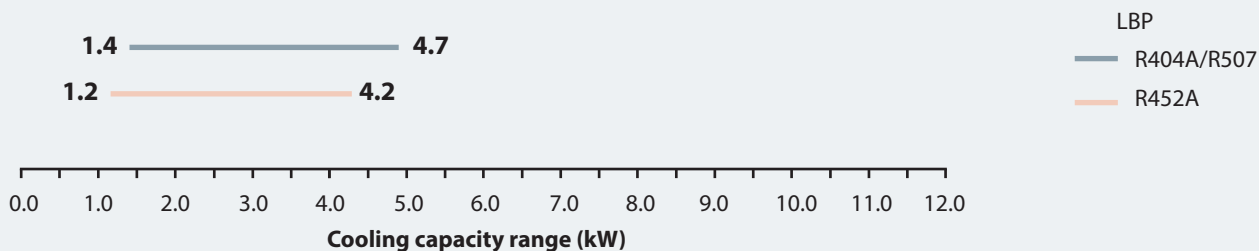
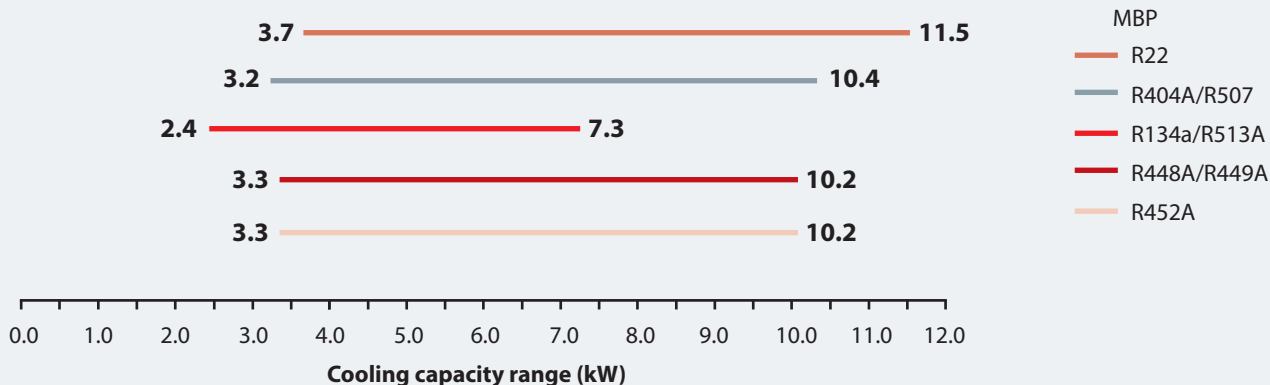
- Easy & fast cleaning
- Less refrigerant charge
- Longer life time
- High efficiency

Service ports outside



- Fast and easy installation
- Quick connections of suction & liquid lines
- Shut off valves on receiver and service valves on service ports for easier & quick servicing

Capacity & Operating range



Conditions:

- Ambient temperature:
- Evaporating temperature:

LBP

43°C
-25°C

MBP

43°C
-5°C

Optima™ Slim Pack units can work in the following evaporating temperature range:

MBP R22, R404A/R507	-20°C to +10°C
MBP R134a/R513A	-15°C to +15°C
MBP R448A/R449A/R452A	-20°C to +10°C
LBP R404A/R507/R452A	-40°C to -10°C

For further detailed information, please contact Danfoss.

Designation system for the Optyma™ Slim Pack range

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

OP-MPVE 034 ML W05 E

1 2 3 4 5 6 7 8

1 Application	M = MBP L = LBP
2 Package	P = Packaged unit
3 Refrigerant	V= R22/R134a/R513A/R404A/R448A/R449A/R452A M= R22 Q = R404A/R507/R452A
4 Condenser	E: Extreme and tropical ambient conditions up to 48°C
5 Swept volume	Swept volume in CC
6 Compressor platform	ML = MLZ (Scroll) MT = MT (Reciprocating) NT = NTZ (Reciprocating) LL = LLZ (Scroll)
7 Version	W02 - See table "version control" below W04 - See table "version control" below W08 - See table "version control" below W10 - See table "version control" below
8 Voltage code	G = Compressor 230V/1N~/50Hz, fan 230V/1~/50Hz E = Compressor 400V/3N~/50Hz, fan 230V/1~/50Hz

Version control

	W02	W04	W08	W10
Service valves	✓	✓	✓	✓
Low Pressure cartridge			✓	
Receiver	✓	✓	✓	✓
Filter drier	✓	✓	✓	✓
Sight Glass	✓	✓	✓	✓
Solenoid Valve	✓			
Crankcase Heater (Only for LBP models)		✓		✓
Full Ebox		✓	✓	✓
Fan speed controller				✓
Dual Pressure switch KP	✓	✓	✓	✓
HP alarm provision	✓	✓	✓	✓
LP alarm Provision	✓	✓	✓	✓
Discharge gas thermostat provision	✓	✓	✓	✓

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)							P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]									
								-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C			
OP-LPQE048NT	-	114X7053	-	114X7171	G	NTZ048	32	0.673	1.006	1.402	1.864	2.393	2.992	3.661	1.561	71	40
					38		0.539	0.836	1.187	1.596	2.065	2.595	3.189	1.579			
	-	114X7054	-	114X7172	E		43	0.430	0.697	1.011	1.376	1.794	2.268	2.799	1.579		
					46		0.366	0.615	0.907	1.245	1.633	2.073	2.567	1.571			
OP-LPQE068NT	-	114X7055	-	114X7173	G	NTZ068	32	1.181	1.644	2.184	2.803	3.499	4.271	5.114	2.261	71	40
					38		0.975	1.387	1.866	2.415	3.034	3.722	4.477	2.341			
	-	114X7056	-	114X7174	E		43	0.819	1.188	1.617	2.108	2.663	3.280	3.960	2.406		
					46		0.731	1.075	1.474	1.930	2.445	3.021	3.655	2.444			
OP-LPQE067LL	-	114X7057	-	114X7175	E	LLZ013	32	2.058	2.650	3.347	4.162	5.108	6.194	7.432	2.945	71	40
					38		1.825	2.370	3.007	3.749	4.607	5.595	6.722	3.156			
					43		-	2.125	2.708	3.386	4.169	5.071	6.104	3.350			
					46		-	1.972	2.522	3.160	3.897	4.747	-	3.477			
OP-LPQE083LL	-	114X7058	-	114X7176	E	LLZ015	32	2.488	3.180	4.012	4.999	6.154	7.487	9.008	3.487	73	42
					38		2.220	2.848	3.599	4.485	5.521	6.720	8.091	3.715			
					43		-	2.558	3.237	4.038	4.973	6.057	7.301	3.924			
					46		-	2.377	3.012	3.760	4.634	5.648	-	4.060			
OP-LPQE097LL	-	114X7059	-	114X7177	E	LLZ018	32	2.901	3.703	4.664	5.799	7.120	8.638	10.361	3.944	74	43
					38		2.586	3.313	4.177	5.194	6.377	7.738	9.287	4.204			
					43		-	2.971	3.752	4.668	5.733	6.961	8.363	4.443			
					46		-	2.758	3.487	4.342	5.335	6.482	-	4.600			

LBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test condition EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

LLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-25°C			
OP-LPQE048NT	-	114X7053	-	114X7171	G	NTZ048	32	0.653	0.903	1.200	1.542	1.923	2.339	2.781	1.500	71	40	
					38		-	0.767	1.027	1.326	1.661	2.027	2.418	1.514				
	-	114X7054	-	114X7172	E		43	-	-	0.891	1.154	-	-	-	1.525			
					46		-	-	0.813	1.055	-	-	-	1.531				
OP-LPQE068NT	-	114X7055	-	114X7173	G	NTZ068	32	1.083	1.502	1.983	2.519	3.095	3.694	4.292	2.017	71	40	
					38		-	1.262	1.689	2.162	2.667	3.190	3.708	2.107				
	-	114X7056	-	114X7174	E		43	-	-	1.444	1.863	-	-	-	2.189			
					46		-	-	1.298	1.685	-	-	-	2.237				
OP-LPQE067LL	-	114X7057	-	114X7175	E	LLZ013	32	1.795	2.308	2.933	3.682	4.563	5.584	6.752	2.802	71	40	
					38		1.643	2.098	2.655	3.324	4.117	5.043	6.108	2.972				
					43		1.520	1.925	2.421	3.023	3.740	4.583	5.559	3.097				
					46		-	-	2.281	2.840	3.511	4.302	5.224	3.163				
OP-LPQE083LL	-	114X7058	-	114X7176	E	LLZ015	32	2.249	2.859	3.584	4.436	5.427	6.566	7.859	3.406	73	42	
					38		2.021	2.572	3.225	3.995	4.894	5.931	7.114	3.640				
					43		1.827	2.324	2.914	3.611	4.429	5.377	6.465	3.820				
					46		-	-	2.722	3.374	4.141	5.034	6.063	3.919				
OP-LPQE097LL	-	114X7059	-	114X7177	E	LLZ018	32	2.644	3.365	4.217	5.212	6.363	7.678	9.164	3.952	74	43	
					38		2.369	3.022	3.791	4.691	5.733	6.929	8.287	4.237				
					43		2.134	2.725	3.421	4.236	5.185	6.277	7.524	4.465				
					46		-	-	3.192	3.955	4.845	5.873	7.051	4.593				

LBP

 (1) **G** - Compressor 230V/1~/50Hz, fan 230V/1~/50 Hz

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

(2) Test condition EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

LLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


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Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	-5°C			
OP-MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	2.347	2.886	3.491	4.171	4.935	5.790	6.740	1.676	69	38	
					38		2.175	2.682	3.251	3.891	4.612	5.419	6.318	1.859				
	114X7016	114X7039	-	-	E		43	-	2.516	3.049	3.651	4.329	5.092	5.945	2.027			
					46		-	-	2.927	3.504	4.155	4.889	5.713	2.136				
OP-MPME048MT	114X7026	114X7049	-	-	G	MT028	32	2.381	3.126	3.959	4.883	5.896	6.997	8.182	2.191	71	40	
					38		2.102	2.810	3.598	4.469	5.420	6.451	7.558	2.283				
	114X7027	114X7050	-	-	E		43	1.866	2.540	3.288	4.112	5.009	5.979	7.019	2.356			
					46		-	-	3.099	3.892	4.756	5.689	6.687	2.398				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	3.236	3.939	4.702	5.547	6.495	7.563	8.763	2.271	69	38	
					38		2.984	3.651	4.368	5.159	6.045	7.044	8.167	2.529				
	114X7018	114X7041	114X7112	114X7164	E		43	-	3.408	4.081	4.820	5.648	6.582	7.637	2.788			
					46		-	-	3.904	4.610	5.400	6.293	7.302	2.968				
OP-MPME060MT	114X7028	114X7051	-	-	G	MT036	32	3.026	3.915	4.895	5.964	7.116	8.344	9.641	2.834	73	42	
					38		2.656	3.503	4.431	5.439	6.520	7.669	8.878	2.967				
	114X7029	114X7052	-	-	E		43	2.346	3.155	4.037	4.991	6.011	7.091	8.224	3.079			
					46		-	-	3.797	4.717	5.700	6.738	7.824	3.146				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.816	4.686	5.643	6.711	7.909	9.251	10.741	2.801	69	38	
					38		3.520	4.352	5.251	6.242	7.348	8.582	9.953	3.143				
	-	114X7074	-	114X7166	E		43	-	4.081	4.921	5.839	6.858	7.995	9.260	3.478			
					46		-	-	4.721	5.591	6.554	7.629	8.828	3.706				
OP- MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	4.827	6.017	7.393	8.945	10.661	12.526	14.527	3.028	70	39	
					38		4.495	5.623	6.932	8.412	10.051	11.837	13.756	3.344				
	114X7020	114X7043	114X7113	114X7167	E		43	-	5.272	6.522	7.939	9.512	11.229	13.078	3.643			
					46		-	-	6.261	7.640	9.171	10.846	12.652	3.841				
OP- MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	5.570	6.950	8.569	10.394	12.390	14.525	16.765	3.589	70	39	
					38		5.229	6.525	8.053	9.780	11.676	13.708	15.846	3.971				
	114X7022	114X7045	114X7114	114X7168	E		43	-	6.120	7.575	9.225	11.040	12.990	15.045	4.338			
					46		-	-	7.263	8.868	10.636	12.538	14.544	4.584				
OP-MPVE093ML					G	MLZ042	32	7.843	8.481	9.729	11.482	13.603	15.938	18.332	4.237	70	39	
	114X7023	114X7046	-	-	38		6.756	7.582	8.928	10.698	12.765	14.986	17.213	4.831				
					43		-	6.634	8.089	9.903	11.954	14.108	16.224	5.428				
					46		-	-	7.490	9.340	11.394	13.520	15.583	5.835				
OP-MPVE099ML					E	MLZ045	32	6.464	8.017	9.896	12.052	14.441	17.014	19.725	4.260	70	39	
	114X7024	114X7047	114X7115	114X7169	38		5.921	7.362	9.126	11.168	13.443	15.907	18.517	4.745				
					43		-	6.778	8.451	10.402	12.588	14.966	17.496	5.222				
					46		-	-	8.035	9.933	12.067	14.396	16.878	5.549				
OP-MPVE108ML					E	MLZ048	32	7.359	9.075	11.016	13.202	15.647	18.355	21.324	4.710	70	39	
	114X7025	114X7048	-	114X7170	38		6.848	8.470	10.294	12.341	14.623	17.150	19.919	5.264				
					43		-	7.921	9.629	11.541	13.672	16.031	18.619	5.807				
					46		-	-	9.189	11.013	13.047	15.299	17.774	6.174				

MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test condition EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	-5°C			
OP-MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	2.272	2.820	3.434	4.120	4.882	5.721	6.638	1.808	69	38	
					38		1.948	2.452	3.010	3.631	4.319	5.079	5.913	1.798				
	114X7016	114X7039	-	-	E		43	1.657	2.124	2.638	3.205	3.833	4.528	5.294	2.279			
					46		-	1.919	2.405	2.940	3.532	4.189	4.915	2.435				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	3.141	3.817	4.573	5.419	6.360	7.403	8.555	2.500	69	38	
					38		2.764	3.372	4.051	4.811	5.662	6.612	7.673	2.433				
	114X7018	114X7041	114X7112	114X7164	E		43	2.429	2.978	3.591	4.280	5.054	5.927	6.913	3.088			
					46		2.218	2.731	3.304	3.949	4.678	5.504	6.445	3.275				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.673	4.455	5.337	6.319	7.403	8.590	9.880	3.322	69	38	
					38		3.239	3.934	4.719	5.596	6.570	7.645	8.826	3.209				
	-	114X7074	-	114X7166	E		43	2.861	3.483	4.185	4.973	5.854	6.834	7.926	4.145			
					46		2.626	3.202	3.853	4.587	5.411	6.336	7.375	4.409				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	4.984	6.134	7.459	8.972	10.685	12.605	14.739	3.300	70	39	
					38		4.441	5.491	6.703	8.091	9.669	11.447	13.438	3.236				
	114X7020	114X7043	114X7113	114X7167	E		43	3.971	4.933	6.047	7.326	8.788	10.446	12.316	4.094			
					46		3.680	4.589	5.641	6.854	8.244	9.828	11.625	4.350				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	5.928	7.246	8.754	10.464	12.385	14.524	16.883	3.832	70	39	
					38		5.259	6.458	7.831	9.390	11.149	13.117	15.302	3.741				
	114X7022	114X7045	114X7114	114X7168	E		43	4.665	5.757	7.010	8.438	10.056	11.876	13.913	4.790			
					46		4.295	5.319	6.496	7.842	9.373	11.103	13.050	5.101				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	6.472	7.965	9.655	11.580	13.775	16.276	19.112	4.802	70	39	
					38		5.765	7.099	8.614	10.352	12.352	14.650	17.285	4.655				
					43		5.121	6.318	7.685	9.263	11.094	13.219	15.682	5.954				
					46		4.699	5.813	7.090	8.571	10.299	12.318	14.677	6.365				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	6.967	8.498	10.243	12.210	14.404	16.829	19.491	4.913	70	39	
					38		6.163	7.538	9.113	10.897	12.900	15.130	17.600	4.774				
					43		5.455	6.696	8.125	9.754	11.595	13.661	15.970	6.068				
					46		5.014	6.172	7.512	9.046	10.789	12.755	14.969	6.437				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	7.533	9.174	11.017	13.087	15.407	17.994	20.868	5.314	70	39	
					38		6.651	8.132	9.793	11.664	13.769	16.134	18.784	5.180				
					43		5.876	7.220	8.727	10.428	12.352	14.531	16.997	6.603				
					46		5.393	6.653	8.066	9.664	11.479	13.545	15.902	7.019				

MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test condition EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	-5°C			
OP- MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	1.750	2.212	2.757	3.391	4.120	4.949	5.882	1.098	69	38	
					38		1.631	2.062	2.574	3.172	3.863	4.652	5.542	1.211				
	114X7016	114X7039	-	-	E		43	1.532	1.936	2.418	2.985	3.643	4.396	5.248	1.316			
					46		-	-	2.324	2.871	3.507	4.238	5.067	1.384				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	2.397	3.005	3.733	4.584	5.563	6.671	7.911	1.398	69	38	
					38		2.226	2.798	3.483	4.286	5.211	6.259	7.434	1.543				
	114X7018	114X7041	114X7112	114X7164	E		43	2.081	2.620	3.268	4.029	4.907	5.905	7.025	1.676			
					46		-	-	3.136	3.871	4.721	5.688	6.774	1.763				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	2.906	3.673	4.568	5.601	6.781	8.113	9.603	1.674	69	38	
					38		2.691	3.413	4.257	5.232	6.346	7.607	9.019	1.858				
	-	114X7074	-	114X7166	E		43	2.511	3.193	3.991	4.914	5.972	7.170	8.515	2.027			
					46		-	-	3.829	4.720	5.742	6.902	8.206	2.136				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	3.537	4.460	5.550	6.816	8.268	9.913	11.757	2.011	70	39	
					38		3.293	4.156	5.180	6.373	7.746	9.306	11.059	2.227				
	114X7020	114X7043	114X7113	114X7167	E		43	3.090	3.899	4.863	5.993	7.296	8.782	10.455	2.426			
					46		-	-	4.670	5.759	7.020	8.459	10.084	2.555				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	4.127	5.225	6.504	7.978	9.660	11.560	13.685	2.402	70	39	
					38		3.816	4.854	6.061	7.453	9.042	10.840	12.853	2.667				
	114X7022	114X7045	114X7114	114X7168	E		43	3.553	4.537	5.682	7.002	8.512	10.221	12.139	2.909			
					46		-	-	5.450	6.726	8.186	9.842	11.701	3.065				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	4.575	5.951	7.442	9.079	10.893	12.910	15.155	2.877	70	39	
					38		4.143	5.471	6.903	8.471	10.204	12.132	14.277	3.139				
					43		3.759	5.045	6.425	7.934	9.600	11.451	13.512	3.378				
					46		-	-	6.130	7.601	9.226	11.031	13.042	3.531				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	5.105	6.418	7.989	9.807	11.860	14.136	16.620	2.742	70	39	
					38		4.731	5.950	7.424	9.140	11.085	13.247	15.612	3.055				
					43		4.422	5.554	6.937	8.559	10.407	12.468	14.727	3.345				
					46		-	-	6.639	8.201	9.988	11.985	14.178	3.532				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	5.399	6.788	8.429	10.319	12.450	14.816	17.407	2.962	70	39	
					38		4.990	6.286	7.829	9.613	11.630	13.874	16.335	3.300				
					43		4.648	5.861	7.314	9.002	10.918	13.054	15.402	3.609				
					46		-	-	6.999	8.626	10.478	12.548	14.825	3.807				

MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test condition EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	-5°C			
OP- MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	2.186	2.722	3.336	4.034	4.821	5.700	6.674	1.845	69	38	
					38		1.958	2.454	3.022	3.668	4.399	5.219	6.131	1.790				
	114X7016	114X7039	-	-	E		43	-	2.219	2.746	3.347	4.030	4.798	-	2.304			
					46		-	-	2.574	3.148	3.800	-	-	2.462				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	2.972	3.697	4.524	5.461	6.513	7.684	8.975	2.387	69	38	
					38		2.666	3.333	4.094	4.958	5.930	7.018	8.223	2.313				
	114X7018	114X7041	114X7112	114X7164	E		43	-	3.019	3.722	4.521	5.426	6.441	-	3.041			
					46		-	-	3.492	4.252	5.114	-	-	3.264				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.619	4.530	5.554	6.698	7.968	9.369	10.901	2.994	69	38	
					38		3.200	4.046	4.992	6.050	7.226	8.527	9.956	2.879				
	-	114X7074	-	114X7166	E		43	-	3.624	4.503	5.486	6.580	7.795	-	3.829			
					46		-	-	4.200	5.136	6.181	-	-	4.103				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	4.463	5.529	6.743	8.118	9.662	11.382	13.281	3.409	70	39	
					38		-	4.971	6.092	7.363	8.794	10.394	12.170	3.287				
	114X7020	114X7043	114X7113	114X7167	E		43	-	-	5.520	6.700	8.034	9.533	-	4.358			
					46		-	-	5.165	6.288	7.563	-	-	4.694				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	5.267	6.504	7.909	9.492	11.262	13.222	15.373	3.926	70	39	
					38		-	5.861	7.153	8.612	10.248	12.067	14.072	3.769				
	114X7022	114X7045	114X7114	114X7168	E		43	-	-	6.498	7.849	9.369	11.067	-	5.020			
					46		-	-	6.094	7.379	8.827	-	-	5.392				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	6.101	7.518	9.143	10.990	13.072	15.392	17.953	4.879	70	39	
					38		-	6.807	8.286	9.974	11.884	14.025	16.401	4.692				
					43		-	-	7.538	9.084	10.844	12.828	-	6.252				
					46		-	-	7.075	8.532	10.198	-	-	6.728				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	6.383	7.932	9.678	11.631	13.798	16.181	18.778	4.938	70	39	
					38		-	7.150	8.743	10.527	12.512	14.702	17.100	4.755				
					43		-	-	7.931	9.567	11.393	13.418	-	6.341				
					46		-	-	7.430	8.974	10.702	-	-	6.815				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	6.866	8.502	10.351	12.428	14.739	17.288	20.073	5.457	70	39	
					38		-	7.643	9.336	11.240	13.366	15.720	18.306	5.289				
					43		-	-	8.455	10.209	12.175	14.362	-	7.042				
					46		-	-	7.911	9.572	11.439	-	-	7.579				

MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test conditon EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	-5°C			
OP- MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	2.181	2.717	3.331	4.029	4.817	5.698	6.674	1.845	69	38	
					38		1.953	2.449	3.017	3.664	4.396	5.217	6.131	1.789				
	114X7016	114X7039	-	-	E		43	-	2.214	2.741	3.343	4.026	4.796	-	2.304			
					46		-	-	2.569	3.143	3.796	-	-	2.462				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	2.965	3.690	4.517	5.455	6.508	7.681	8.975	2.387	69	38	
					38		2.659	3.326	4.087	4.951	5.925	7.015	8.223	2.312				
	114X7018	114X7041	114X7112	114X7164	E		43	-	3.012	3.715	4.515	5.421	6.438	-	3.040			
					46		-	-	3.485	4.246	5.110	-	-	3.264				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.610	4.522	5.545	6.690	7.962	9.366	10.901	2.993	69	38	
					38		3.192	4.037	4.984	6.042	7.220	8.523	9.956	2.878				
	-	114X7074	-	114X7166	E		43	-	3.615	4.495	5.478	6.574	7.792	-	3.828			
					46		-	-	4.192	5.129	6.175	-	-	4.102				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	4.453	5.518	6.733	8.109	9.655	11.378	13.281	3.409	70	39	
					38		-	4.961	6.081	7.353	8.787	10.390	12.170	3.287				
	114X7020	114X7043	114X7113	114X7167	E		43	-	-	5.510	6.691	8.027	9.528	-	4.357			
					46		-	-	5.154	6.279	7.555	-	-	4.693				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	5.255	6.492	7.897	9.481	11.253	13.217	15.373	3.925	70	39	
					38		-	5.848	7.141	8.602	10.240	12.062	14.072	3.768				
	114X7022	114X7045	114X7114	114X7168	E		43	-	-	6.486	7.839	9.361	11.062	-	5.018			
					46		-	-	6.082	7.368	8.819	-	-	5.390				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	6.086	7.503	9.128	10.978	13.062	15.386	17.953	4.878	70	39	
					38		-	6.792	8.272	9.962	11.874	14.019	16.401	4.691				
					43		-	-	7.524	9.072	10.834	12.822	-	6.250				
					46		-	-	7.061	8.520	10.188	-	-	6.726				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	6.367	7.917	9.663	11.618	13.788	16.175	18.778	4.936	70	39	
					38		-	7.134	8.728	10.514	12.501	14.696	17.100	4.754				
					43		-	-	7.916	9.554	11.383	13.412	-	6.339				
					46		-	-	7.415	8.960	10.692	-	-	6.813				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	6.849	8.485	10.335	12.414	14.728	17.281	20.073	5.455	70	39	
					38		-	7.626	9.320	11.226	13.355	15.714	18.306	5.287				
					43		-	-	8.439	10.195	12.164	14.356	-	7.040				
					46		-	-	7.895	9.558	11.428	-	-	7.576				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test conditon EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	-5°C			
OP- MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	2.280	2.809	3.418	4.114	4.901	5.781	6.756	1.850	69	38	
					38		2.059	2.535	3.085	3.715	4.430	5.235	6.133	1.799				
	114X7016	114X7039	-	-	E		43	1.870	2.301	2.799	3.372	4.026	4.767	5.601	2.258			
					46		-	2.157	2.624	3.161	3.778	-	-	2.388				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	3.072	3.800	4.634	5.579	6.641	7.823	9.126	2.401	69	38	
					38		2.747	3.407	4.163	5.022	5.993	7.079	8.285	2.336				
	114X7018	114X7041	114X7112	114X7164	E		43	2.469	3.068	3.756	4.542	5.433	6.437	7.561	2.971			
					46		-	2.860	3.506	4.245	5.088	-	-	3.151				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.787	4.668	5.670	6.799	8.060	9.454	10.982	2.959	69	38	
					38		3.364	4.157	5.059	6.079	7.222	8.493	9.897	2.864				
	-	114X7074	-	114X7166	E		43	2.997	3.710	4.525	5.449	6.490	7.656	8.954	3.740			
					46		-	3.434	4.193	5.057	6.036	-	-	4.004				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	4.625	5.684	6.907	8.304	9.884	11.651	13.608	3.467	70	39	
					38		4.169	5.119	6.220	7.482	8.918	10.535	12.341	3.366				
	114X7020	114X7043	114X7113	114X7167	E		43	3.781	4.637	5.630	6.777	8.090	9.579	11.258	4.264			
					46		-	4.341	5.269	6.344	7.581	-	-	4.514				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	5.359	6.599	8.011	9.605	11.390	13.368	15.544	4.043	70	39	
					38		4.761	5.885	7.166	8.617	10.248	12.066	14.080	3.893				
	114X7022	114X7045	114X7114	114X7168	E		43	4.243	5.264	6.431	7.757	9.255	10.936	12.813	5.022			
					46		-	4.880	5.975	7.224	8.641	-	-	5.334				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	6.181	7.578	9.180	11.000	13.048	15.330	17.850	5.084	70	39	
					38		5.524	6.770	8.202	9.838	11.688	13.765	16.077	4.930				
					43		4.961	6.070	7.352	8.824	10.503	12.403	14.538	6.377				
					46		-	5.639	6.826	8.197	9.769	-	-	6.805				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	6.650	8.151	9.860	11.783	13.926	16.290	18.876	5.124	70	39	
					38		5.940	7.283	8.813	10.542	12.478	14.628	16.998	4.937				
					43		5.328	6.526	7.898	9.458	11.215	13.182	15.369	6.392				
					46		-	6.059	7.332	8.785	10.432	-	-	6.801				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	7.151	8.799	10.670	12.773	15.114	17.693	20.511	5.551	70	39	
					38		6.320	7.799	9.482	11.382	13.505	15.859	18.450	5.346				
					43		5.602	6.929	8.446	10.166	12.101	14.261	16.661	7.030				
					46		-	6.391	7.803	9.412	11.230	-	-	7.514				

MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test conditon EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Performance with SH=10K & SC=0K

Unit	Code number				Electrical code (1)	Compressor	Tamb [°C]	Cooling capacity Q [kW] (2)								P [kW]	Sound power level dB(A)	Sound pressure level @ 10m dB(A)
	Version W02	Version W04	Version W08	Version W10				Te [°C]										
								-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	-5°C			
OP- MPVE034ML	114X7015	114X7038	-	114X7163	G	MLZ015	32	1.815	2.254	2.774	3.382	4.086	4.890	5.797	1.203	69	38	
					38		1.664	2.073	2.557	3.124	3.781	4.533	5.385	1.317				
	114X7016	114X7039	-	-	E		43	1.536	1.920	2.373	2.903	3.519	4.227	5.032	1.422			
					46		-	-	2.261	2.769	3.360	4.040	4.816	1.489				
OP-MPVE046ML	114X7017	114X7040	-	114X7213	G	MLZ021	32	2.478	3.083	3.789	4.605	5.538	6.594	7.775	1.508	69	38	
					38		2.257	2.827	3.489	4.254	5.129	6.121	7.233	1.669				
	114X7018	114X7041	114X7112	114X7164	E		43	2.067	2.606	3.230	3.951	4.776	5.713	6.766	1.820			
					46		-	-	3.071	3.764	4.559	5.462	6.480	1.919				
OP-MPVE057ML	-	114X7073	-	114X7165	G	MLZ026	32	3.030	3.781	4.646	5.635	6.753	8.005	9.393	1.786	69	38	
					38		2.743	3.455	4.271	5.201	6.253	7.431	8.740	1.993				
	-	114X7074	-	114X7166	E		43	2.496	3.171	3.944	4.824	5.818	6.933	8.174	2.192			
					46		-	-	3.742	4.590	5.549	6.625	7.825	2.324				
OP-MPVE068ML	114X7019	114X7042	-	114X7214	G	MLZ030	32	3.722	4.607	5.644	6.844	8.219	9.775	11.516	2.148	70	39	
					38		3.414	4.245	5.215	6.336	7.620	9.077	10.711	2.370				
	114X7020	114X7043	114X7113	114X7167	E		43	3.149	3.931	4.841	5.893	7.100	8.471	10.014	2.581			
					46		-	-	4.611	5.620	6.778	8.097	9.585	2.720				
OP-MPVE080ML	114X7021	114X7044	-	114X7215	G	MLZ038	32	4.364	5.387	6.582	7.963	9.540	11.320	13.305	2.418	70	39	
					38		3.994	4.952	6.068	7.355	8.825	10.488	12.349	2.689				
	114X7022	114X7045	114X7114	114X7168	E		43	3.677	4.577	5.623	6.828	8.207	9.771	11.525	2.950			
					46		-	-	5.349	6.505	7.828	9.330	11.021	3.124				
OP-MPVE093ML	114X7023	114X7046	-	-	G	MLZ042	32	5.015	6.165	7.528	9.120	10.953	13.035	15.371	3.084	70	39	
					38		4.603	5.668	6.930	8.404	10.108	12.050	14.238	3.416				
					43		4.254	5.244	6.415	7.787	9.377	11.198	13.259	3.726				
					46		-	-	6.100	7.408	8.928	10.675	12.658	3.928				
OP-MPVE099ML	114X7024	114X7047	114X7115	114X7169	E	MLZ045	32	5.348	6.606	8.066	9.742	11.645	13.777	16.140	3.050	70	39	
					38		4.891	6.068	7.427	8.985	10.752	12.735	14.939	3.395				
					43		4.498	5.604	6.876	8.332	9.984	11.842	13.912	3.725				
					46		-	-	6.538	7.931	9.513	11.294	13.284	3.945				
OP-MPVE108ML	114X7025	114X7048	-	114X7170	E	MLZ048	32	5.660	7.009	8.571	10.362	12.391	14.663	17.180	3.317	70	39	
					38		5.138	6.404	7.864	9.537	11.433	13.561	15.926	3.696				
					43		4.692	5.884	7.256	8.826	10.608	12.613	14.849	4.049				
					46		-	-	6.882	8.389	10.101	12.032	14.189	4.280				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Test conditon EN13215, Superheat 10K

Subcooling within the limits of the condensing unit.

MLZ type compressor models are scroll compressors.

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

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software

Application	Code number	Model number	Compressor Model	Electrical Code (1)	Refrigerant (2)	Condenser Coil			Fan		Receiver	Dimensions						Weight	
						Type	Airflow	Internal Volume	Number	Blade ø	Volume	Figure	Height	Width	Depth	Suction line	Liquid line	Gross	Net
							(m³/h)	(dm³)					mm	mm	mm	inch	inch		
LBP	114X7053	OP-LPQE048NTW04G	NTZ048-5B	G	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	81.0	63.0
LBP	114X7054	OP-LPQE048NTW04E	NTZ048-4B	E	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	81.0	63.0
LBP	114X7055	OP-LPQE068NTW04G	NTZ068-5B	G	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83.0	65.0
LBP	114X7056	OP-LPQE068NTW04E	NTZ068-4B	E	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83.0	65.0
LBP	114X7057	OP-LPQE067LLW04E	LLZ013T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	118.0	100
LBP	114X7058	OP-LPQE083LLW04E	LLZ015T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	118.0	100
LBP	114X7059	OP-LPQE097LLW04E	LLZ018T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	119.0	101
LBP	114X7171	OP-LPQE048NTW10G	NTZ048-5B	G	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	81.0	63.0
LBP	114X7172	OP-LPQE048NTW10E	NTZ048-4B	E	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	81.0	63.0
LBP	114X7173	OP-LPQE068NTW10G	NTZ068-5B	G	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83.0	65.0
LBP	114X7174	OP-LPQE068NTW10E	NTZ068-4B	E	Q	D7	5,000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83.0	65.0
LBP	114X7175	OP-LPQE067LLW10E	LLZ013T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	118.0	100
LBP	114X7176	OP-LPQE083LLW10E	LLZ015T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	118.0	100
LBP	114X7177	OP-LPQE097LLW10E	LLZ018T4A	E	Q	G7	6,700	1.62	1	609	6.2	B3	825	1105	464	3/4"	1/2"	119.0	101

(1) **G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Refrigerant: **Q** - R404A/R507/R452A

Application	Code number	Model number	Compressor Model	Electrical Code (1)	Refrigerant (2)	Condenser Coil			Fan		Receiver	Dimensions						Weight		
						Type	Airflow	Internal Volume	Number	Blade ø		Volume	Figure	Height	Width	Depth	Suction line	Liquid line	Gross	Net
MBP	114X7015	OP-MPVE034MLW02G	MLZ015T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	91	73	
MBP	114X7016	OP-MPVE034MLW02E	MLZ015T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	91	73	
MBP	114X7026	OP-MPME048MTW02G	MT28-5	G	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	83	65	
MBP	114X7027	OP-MPME048MTW02E	MT28-4	E	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	1/2"	3/8"	83	65	
MBP	114X7017	OP-MPVE046MLW02G	MLZ021T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	91	73	
MBP	114X7018	OP-MPVE046MLW02E	MLZ021T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	91	73	
MBP	114X7028	OP-MPME060MTW02G	MT36-5	G	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	85	67	
MBP	114X7029	OP-MPME060MTW02E	MT36-4	E	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	3/8"	85	67	
MBP	114X7019	OP-MPVE068MLW02G	MLZ030T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7020	OP-MPVE068MLW02E	MLZ030T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7021	OP-MPVE080MLW02G	MLZ038T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7022	OP-MPVE080MLW02E	MLZ038T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7023	OP-MPVE093MLW02G	MLZ042T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7024	OP-MPVE099MLW02E	MLZ045T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7025	OP-MPVE108MLW02E	MLZ048T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7038	OP-MPVE034MLW04G	MLZ015T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7039	OP-MPVE034MLW04E	MLZ015T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7040	OP-MPVE046MLW04G	MLZ021T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7041	OP-MPVE046MLW04E	MLZ021T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7073	OP-MPVE057MLW04G	MLZ026T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7074	OP-MPVE057MLW04E	MLZ026T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7042	OP-MPVE068MLW04G	MLZ030T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7043	OP-MPVE068MLW04E	MLZ030T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7044	OP-MPVE080MLW04G	MLZ038T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7045	OP-MPVE080MLW04E	MLZ038T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7046	OP-MPVE093MLW04G	MLZ042T5A	G	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7047	OP-MPVE099MLW04E	MLZ045T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7048	OP-MPVE108MLW04E	MLZ048T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7049	OP-MPME048MTW04G	MT028-5	G	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83	65	
MBP	114X7050	OP-MPME048MTW04E	MT028-4	E	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	83	65	
MBP	114X7051	OP-MPME060MTW04G	MT036-5	G	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	85	67	
MBP	114X7052	OP-MPME060MTW04E	MT036-4	E	M	D7	5000	0.58	1	460	3.4	B2	690	1087	464	5/8"	1/2"	85	67	
MBP	114X7112	OP-MPVE086MLW08E	MLZ021T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7113	OP-MPVE068MLW08E	MLZ030T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7114	OP-MPVE080MLW08E	MLZ038T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7115	OP-MPVE099MLW08E	MLZ045T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7163	OP-MPVE034MLW10G	MLZ015T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7164	OP-MPVE046MLW10E	MLZ021T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7213	OP-MPVE046MLW10G	MLZ021T5A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7165	OP-MPVE057MLW10G	MLZ026T5A	G	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7166	OP-MPVE057MLW10E	MLZ026T4A	E	V	D7	5000	0.58	1	460	3.4	B2	690	1087	464	3/4"	1/2"	91	73	
MBP	114X7167	OP-MPVE068MLW10E	MLZ030T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7214	OP-MPVE068MLW10G	MLZ030T5A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7168	OP-MPVE080MLW10E	MLZ038T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7215	OP-MPVE080MLW10G	MLZ038T5A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7169	OP-MPVE099MLW10E	MLZ045T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	
MBP	114X7170	OP-MPVE108MLW10E	MLZ048T4A	E	V	G7	6700	1.62	1	609	6.2	B3	825	1105	464	7/8"	1/2"	117	99	

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

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

(2) Refrigerant: V - R22/R134a/R513A/R404A/R448A/R449A/R452A

M - R22

Catalogue

Spare parts & accessories - LBP

Designation	LPQE048NT	LPQE048NT	LPQE068NT	LPQE068NT	LPQE067LL	LPQE083LL	LPQE097LL
Code number	114X7053	114X7054	114X7055	114X7056	114X7057	114X7058	114X7059
Version	W04	W04	W04	W04	W04	W04	W04
Compressor description	NTZ048-5B	NTZ048-4B	NTZ068-5B	NTZ068-4B	LLZ013T4A	LLZ015T4A	LLZ018T4A
Chassis	B2	B2	B2	B2	B3	B3	B3
Spare parts							
Compressor single pack	120F0228	120F0226	120F0232	120F0230	121L9535	121L9537	121L9539
Oil	120Z0638	120Z0638	120Z0638	120Z0638	120Z0648	120Z0648	120Z0648
Condenser	118U5218	118U5218	118U5218	118U5218	118U5219	118U5219	118U5219
Dual pressure switch	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766
Fan blade	118U3766	118U3766	118U3766	118U3766	118U3768	118U3768	118U3768
Fan motor*	118U3765	118U3765	118U3765	118U3765	118U3767	118U3767	118U3767
Fan cowl/grill	118U3484	118U3484	118U3484	118U3484	118U3485	118U3485	118U3485
Filter drier	023Z5041	023Z5041	023Z5041	023Z5041	023Z5044	023Z5044	023Z5044
Liquid valve	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761
Receiver	118U3475	118U3475	118U3475	118U3475	118U3476	118U3476	118U3476
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U3764	118U3764	118U3764	118U3764	118U3762	118U3762	118U3762
Fan speed controller Female Type	-	-	-	-	-	-	-
Electrical spare parts							
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z5040	120Z5040	120Z5040
Contact kit	118U5541	118U3893	118U3896	118U3893	118U5542	118U5542	118U5542
Overload relay	118U3877	118U3875	118U3878	118U3876	118U3877	118U3878	118U3878
Run capacitor	8173041	-	8173041	-	-	-	-
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	8173001	-	8173001	-	-	-	-
Starting relay	8173022	-	8173022	-	-	-	-
Circuit breaker	118U3873	118U3872	118U3869	118U3872	118U3873	118U3874	118U3874
Electrical characteristics							
Wiring Diagram	WD4	WD6	WD4	WD6	WD6	WD6	WD6
LRA Compressor [A]	37	16	53	25	62	88.5	90
MCC Compressor [A]	11	4.8	17	8.4	12	15	15
Max cont.power [kW]	2.33	2.41	3.76	3.7	5.03	5.94	6.65
MCC Fan [A]	1.1	1.1	1.1	1.1	2	2	2
Fan Power [W]	135	135	135	135	250	250	250
Accessories (Not Premounted)							
Acoustic hood	120Z0575	120Z0575	120Z0575	120Z0575	120Z5052	120Z5052	120Z5052
FSC Female connection	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	LPQE048NT	LPQE048NT	LPQE068NT	LPQE068NT	LPQE067LL	LPQE083LL	LPQE097LL
Code number	114X7171	114X7172	114X7173	114X7174	114X7175	114X7176	114X7177
Version	W10	W10	W10	W10	W10	W10	W10
Compressor description	NTZ048-5B	NTZ048-4B	NTZ068-5B	NTZ068-4B	LLZ013T4A	LLZ015T4A	LLZ018T4A
Chassis	B2	B2	B2	B2	B3	B3	B3
Spare parts							
Compressor single pack	120F0228	120F0226	120F0232	120F0230	121L9535	121L9537	121L9539
Oil	120Z0638	120Z0638	120Z0638	120Z0638	120Z0648	120Z0648	120Z0648
Condenser	118U5218	118U5218	118U5218	118U5218	118U5219	118U5219	118U5219
Dual pressure switch	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766
Fan blade	118U3766	118U3766	118U3766	118U3766	118U3768	118U3768	118U3768
Fan motor*	118U3765	118U3765	118U3765	118U3765	118U3767	118U3767	118U3767
Fan cowl/grill	118U3484	118U3484	118U3484	118U3484	118U3485	118U3485	118U3485
Filter drier	023Z5041	023Z5041	023Z5041	023Z5041	023Z5044	023Z5044	023Z5044
Liquid valve	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761
Receiver	118U3475	118U3475	118U3475	118U3475	118U3476	118U3476	118U3476
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U3764	118U3764	118U3764	118U3764	118U3762	118U3762	118U3762
Fan speed controller Female Type	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Electrical spare parts							
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z5040	120Z5040	120Z5040
Contact compressor	118U3894	118U3893	118U3896	118U3893	118U3896	118U3896	118U3896
Overload relay	118U3877	118U3978	118U3878	118U3876	118U3877	118U3878	118U3878
Run capacitor	8173041	-	8173041	-	-	-	-
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	8173001	-	8173001	-	-	-	-
Starting relay	8173022	-	8173022	-	-	-	-
Circuit breaker	118U3976	118U3873	118U3869	118U3873	118U3873	118U3874	118U3874
Electrical characteristics							
Wiring Diagram	WD8	WD9	WD8	WD9	WD9	WD9	WD9
LRA Compressor [A]	37	16	53	25	62	88.5	90
MCC Compressor [A]	11	4.8	17	8.4	12	15	15
Max cont.power [kW]	2.33	2.41	3.76	3.7	5.03	5.94	6.65
MCC Fan [A]	1.1	1.1	1.1	1.1	2	2	2
Fan Power [W]	135	135	135	135	250	250	250
Accessories (Not Premounted)							
Acoustic hood	120Z0575	120Z0575	120Z0575	120Z0575	120Z5052	120Z5052	120Z5052
FSC Female connection	-	-	-	-	-	-	-
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE034ML	MPVE034ML	MPME048MT	MPME048MT	MPVE046ML	MPVE046ML	MPME060MT	MPME060MT
Code Number	114X7015	114X7016	114X7026	114X7027	114X7017	114X7018	114X7028	114X7029
Version	W02	W02	W02	W02	W02	W02	W02	W02
Compressor description	MLZ015T5A	MLZ015T4A	MT28JE5PVE	MT28JE4AVE	MLZ021T5A	MLZ021T4A	MT36JG5CVE	MT36JG4VFE
Chassis	B2	B2	B2	B2	B2	B2	B2	B2
Spare parts								
Compressor single pack	121L8631	121L8629	MT28-5VI	MT28-4VI	121L8635	121L8633	MT36-5VI	MT36-4VI
Oil	120Z0648	120Z0648	7754001	7754001	120Z0648	120Z0648	7754001	7754001
Condenser	118U5218	118U5218	118U5218	118U5218	118U5218	118U5218	118U5218	118U5218
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	-	-	-	-	-	-	-	-
Fan blade	118U3766	118U3766	118U3766	118U3766	118U3766	118U3766	118U3766	118U3766
Fan motor*	118U3765	118U3765	118U3765	118U3765	118U3765	118U3765	118U3765	118U3765
Fan cowl/grill	118U3484	118U3484	118U3484	118U3484	118U3484	118U3484	118U3484	118U3484
Filter drier	023Z5040	023Z5040	023Z5040	023Z5040	023Z5040	023Z5040	023Z5040	023Z5040
Liquid valve	118U5641	118U5641	118U5641	118U5641	118U5641	118U5641	118U5641	118U5641
Liquid valve (R22)	118U3986	118U3986	118U3986	118U3986	118U3986	118U3986	118U3986	118U3986
Receiver	118U3475	118U3475	118U3475	118U3475	118U3475	118U3475	118U3475	118U3475
Sight glass	014L0172	014L0172	014L0172	014L0172	014L0172	014L0172	014L0172	014L0172
Suction valve	118U3758	118U3758	118U5642	118U5642	118U3758	118U3758	118U5642	118U5642
Suction valve (R22)	-	-	118U3757	118U3757	-	-	118U3757	118U3757
Fan speed controller	-	-	-	-	-	-	-	-
Solenoid valve body	032L1212	032L1212	032L1212	032L1212	032L1212	032L1212	032L1212	032L1212
Solenoid valve coil	018F6251	018F6251	018F6251	018F6251	018F6251	018F6251	018F6251	018F6251
Electrical spare parts								
Contact kit	-	-	-	-	-	-	-	-
Overload relay	-	-	-	-	-	-	-	-
Run capacitor	8173231	-	8173041	-	120Z0051	-	8173042	-
Sequence phase relay	-	-	-	-	-	-	-	-
Starting capacitor	120Z0399	-	8173001	-	120Z0399	-	8173002	-
Starting relay	120Z0394	-	8173022	-	120Z0394	-	8173022	-
Circuit breaker	-	-	-	-	-	-	-	-
Electrical characteristics								
Wiring Diagram	WD1	WD3	WD1	WD3	WD1	WD3	WD1	WD3
LRA Compressor [A]	60	30	51	23	97	45	60	30
MCC Compressor [A]	19	7	20	7.5	25	9.5	22	9
Max cont.power [kW]	2.86	2.79	3.46	3.46	3.61	3.85	4.51	4.51
MCC Fan [A]	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Fan Power [W]	135	135	135	135	135	135	135	135
Accessories (Not Premounted)								
Acoustic hood	120Z5043	120Z5043	-	-	120Z5043	120Z5043	-	-
FSC Female connection	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE068ML	MPVE068ML	MPVE080ML	MPVE080ML	MPVE093ML	MPVE099ML	MPVE108ML	MPVE034ML
Code Number	114X7019	114X7020	114X7021	114X7022	114X7023	114X7024	114X7025	114X7038
Version	W02	W02	W02	W02	W02	W02	W02	W04
Compressor description	MLZ030T5A	MLZ030T4A	MLZ038T5A	MLZ038T4A	MLZ042T5A	MLZ045T4A	MLZ048T4A	MLZ015T5A
Chassis	B3	B3	B3	B3	B3	B3	B3	B2
Spare parts								
Compressor single pack	121L8643	121L8641	121L8647	121L8645	121U8793	121L8649	121L8651	121L8631
Oil	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648
Condenser	118U5219	118U5219	118U5219	118U5219	118U5219	118U5219	118U5219	118U5218
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	-	-	-	-	-	-	-	-
Fan blade	118U3768	118U3768	118U3768	118U3768	118U3768	118U3768	118U3768	118U3766
Fan motor*	118U3767	118U3767	118U3767	118U3767	118U3767	118U3767	118U3767	118U3765
Fan cowl/grill	118U3485	118U3485	118U3485	118U3485	118U3485	118U3485	118U3485	118U3484
Filter drier	023Z5044	023Z5044	023Z5044	023Z5044	023Z5044	023Z5044	023Z5044	023Z5041
Liquid valve	118U5642	118U5642	118U5642	118U5642	118U5642	118U5642	118U5642	118U3958
Liquid valve (R22)	118U3757	118U3757	118U3757	118U3757	118U3757	118U3757	118U3757	-
Receiver	118U3476	118U3476	118U3476	118U3476	118U3476	118U3476	118U3476	118U3475
Sight glass	014L0183	014L0183	014L0183	014L0183	014L0183	014L0183	014L0183	014L0173
Suction valve	118U5644	118U5644	118U5644	118U5644	118U5644	118U5644	118U5644	118U4008
Suction valve (R22)	118U3760	118U3760	118U3760	118U3760	118U3760	118U3760	118U3760	-
Fan speed controller	-	-	-	-	-	-	-	-
Solenoid valve body	032L1217	032L1217	032L1217	032L1217	032L1217	032L1217	032L1217	-
Solenoid valve coil	018F6701	018F6701	018F6701	018F6701	018F6701	018F6701	018F6701	-
Electrical spare parts								
Contact kit	-	-	-	-	-	-	-	118U3867
Overload relay	-	-	-	-	-	-	-	118U3879
Run capacitor	8173233	-	8173234	-	8173234	-	-	8173231
Sequence phase relay	-	-	-	-	-	-	-	118U3882
Starting capacitor	120Z0400	-	8173001	-	8173001	-	-	120Z0399
Starting relay	120Z0394	-	120Z0395	-	120Z0395	-	-	120Z0394
Circuit breaker	-	-	-	-	-	-	-	118U3869
Electrical characteristics								
Wiring Diagram	WD2	WD3	WD2	WD3	WD2	WD3	WD3	WD4
LRA Compressor [A]	127	60	130	70	130	82	87	60
MCC Compressor [A]	32	13	38	15	40	15	16	19
Max cont.power [kW]	5.7	5.63	6.72	6.64	8.4	7.81	8.46	2.86
MCC Fan [A]	2	2	2	2	2	2	2	1.1
Fan Power [W]	250	250	250	250	250	250	250	135
Accessories (Not Premounted)								
Acoustic hood	120Z5044	120Z5044	120Z5044	120Z5044	120Z5044	120Z5044	120Z5044	120Z5043
FSC Female connection	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE034ML	MPVE046ML	MPVE046ML	MPVE057ML	MPVE057ML	MPVE068ML	MPVE068ML	MPVE080ML
Code Number	114X7039	114X7040	114X7041	114X7073	114X7074	114X7042	114X7043	114X7044
Version	W04	W04	W04	W04	W04	W04	W04	W04
Compressor description	MLZ015T4A	MLZ021T5A	MLZ021T4A	MLZ026T5A	MLZ026T4A	MLZ030T5A	MLZ030T4A	MLZ038T5A
Chassis	B2	B2	B2	B2	B2	B3	B3	B3
Spare parts								
Compressor single pack	121L8629	121L8635	121L8633	121L8639	121L8637	121L8643	121L8641	121L8647
Oil	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648
Condenser	118U5218	118U5218	118U5218	118U5218	118U5218	118U5219	118U5219	118U5219
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	-	-	-	-	-	-	-	-
Fan blade	118U3766	118U3766	118U3766	118U3766	118U3766	118U3768	118U3768	118U3768
Fan motor*	118U3765	118U3765	118U3765	118U3765	118U3765	118U3767	118U3767	118U3767
Fan cowl/grill	118U3484	118U3484	118U3484	118U3484	118U3484	118U3485	118U3485	118U3485
Filter drier	023Z5041	023Z5041	023Z5041	023Z5041	023Z5041	023Z5044	023Z5044	023Z5044
Liquid valve	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958
Receiver	118U3475	118U3475	118U3475	118U3475	118U3475	118U3476	118U3476	118U3476
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U4008	118U4008	118U4008	118U4008	118U4008	118U3957	118U3957	118U3957
Fan speed controller	-	-	-	-	-	-	-	-
Solenoid valve body	-	-	-	-	-	-	-	-
Solenoid valve coil	-	-	-	-	-	-	-	-
Electrical spare parts								
Contact kit	118U5540	118U3867	118U5541	118U3867	118U5541	118U3895	118U5542	118U3868
Overload relay	118U3875	118U3880	118U3876	118U3880	118U3876	118U3880	118U3877	118U3881
Run capacitor	-	120Z0051	-	120Z0051	-	8173233	-	8173234
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	-	120Z0399	-	120Z0399	-	120Z0400	-	8173001
Starting relay	-	120Z0394	-	120Z0394	-	120Z0394	-	120Z0395
Circuit breaker	118U3872	118U3870	118U3873	118U3870	118U3873	118U3871	118U3873	118U3871
Electrical characteristics								
Wiring Diagram	WD6	WD4	WD6	WD4	WD6	WD5	WD6	WD5
LRA Compressor [A]	30	97	45	97	45	127	60	130
MCC Compressor [A]	7	25	9.5	26	10	32	13	38
Max cont.power [kW]	2.79	3.61	3.85	4.38	4.36	5.7	5.63	6.72
MCC Fan [A]	1.1	1.1	1.1	1.1	1.1	2	2	2
Fan Power [W]	135	135	135	135	135	250	250	250
Accessories (Not Premounted)								
Acoustic hood	120Z5043	120Z5043	120Z5043	120Z5043	120Z5043	120Z5044	120Z5044	120Z5044
FSC Female connection	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE080ML	MPVE093ML	MPVE099ML	MPVE108ML	MPME048MT	MPME048MT	MPME060MT	MPME060MT
Code Number	114X7045	114X7046	114X7047	114X7048	114X7049	114X7050	114X7051	114X7052
Version	W04	W04	W04	W04	W04	W04	W04	W04
Compressor description	MLZ038T4A	MLZ042T5A	MLZ045T4A	MLZ048T4A	MT28JE5PVE	MT28JE4AVE	MT36JG5CVE	MT36JG4VFVE
Chassis	B3	B3	B3	B3	B2	B2	B2	B2
Spare parts								
Compressor single pack	121L8645	121U8793	121L8649	121L8651	MT28-5VI	MT28-4VI	MT36-5VI	MT36-4VI
Oil	120Z0648	120Z0648	120Z0648	120Z0648	7754001	7754001	7754001	7754001
Condenser	118U5219	118U5219	118U5219	118U5219	118U5218	118U5218	118U5218	118U5218
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	-	-	-	-	-	-	-	-
Fan blade	118U3768	118U3768	118U3768	118U3768	118U3766	118U3766	118U3766	118U3766
Fan motor*	118U3767	118U3767	118U3767	118U3767	118U3765	118U3765	118U3765	118U3765
Fan cowl/grill	118U3485	118U3485	118U3485	118U3485	118U3484	118U3484	118U3484	118U3484
Filter drier	023Z5044	023Z5044	023Z5044	023Z5044	023Z5041	023Z5041	023Z5041	023Z5041
Liquid valve	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958	118U3958
Receiver	118U3476	118U3476	118U3476	118U3476	118U3475	118U3475	118U3475	118U3475
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U3957	118U3957	118U3957	118U3957	118U4009	118U4009	118U4009	118U4009
Fan speed controller	-	-	-	-	-	-	-	-
Solenoid valve body	-	-	-	-	-	-	-	-
Solenoid valve coil	-	-	-	-	-	-	-	-
Electrical spare parts								
Contact kit	118U5542	118U3898	118U5542	118U5542	118U3867	118U3893	118U3867	118U3893
Overload relay	118U3878	118U3897	118U3878	118U3878	118U3879	118U3875	118U3879	118U3876
Run capacitor	-	8173234	-	-	8173041	-	8173042	-
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	-	8173001	-	-	81730001	-	81730002	-
Starting relay	-	120Z0395	-	-	8173022	-	8173022	-
Circuit breaker	118U3874	118U3899	118U3874	118U3874	118U3869	118U3872	118U3869	118U3873
Electrical characteristics								
Wiring Diagram	WD6	WD5	WD6	WD6	WD4	WD6	WD4	WD6
LRA Compressor [A]	70	130	82	87	51	23	60	30
MCC Compressor [A]	15	40	15	16	20	7.5	22	9
Max cont.power [kW]	6.64	8.4	7.81	8.46	3.46	3.46	4.51	4.51
MCC Fan [A]	2	2	2	2	1.1	1.1	1.1	1.1
Fan Power [W]	250	250	250	250	135	135	135	135
Accessories (Not Premounted)								
Acoustic hood	120Z5044	120Z5044	120Z5044	120Z5044	-	-	-	-
FSC Female connection	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE086ML	MPVE068ML	MPVE080ML	MPVE099ML	MPVE034ML	MPVE046ML	MPVE046ML	MPVE057ML
Code Number	114X7112	114X7113	114X7114	114X7115	114X7163	114X7213	114X7164	114X7165
Version	W08	W08	W08	W08	W10	W10	W10	W10
Compressor description	MLZ021T4A	MLZ030T4A	MLZ038T4A	MLZ045T4A	MLZ015T5A	MLZ021T5A	MLZ021T4A	MLZ026T5A
Chassis	B2	B3	B3	B3	B2	B2	B2	B2
Spare parts								
Compressor single pack	121L8633	121L8641	121L8645	121L8649	121L8631	121L8635	121L8633	121L8639
Oil	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648
Condenser	118U5218	118U5219	118U5219	118U5219	118U5218	118U5218	118U5218	118U5218
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	061F7798	061F7798	061F7798	061F7798	-	-	-	-
Fan blade	118U3766	118U3768	118U3768	118U3768	118U3766	118U3766	118U3766	118U3766
Fan motor*	118U3765	118U3767	118U3767	118U3767	118U3765	118U3765	118U3765	118U3765
Fan cowl/grill	118U3484	118U3485	118U3485	118U3485	118U3484	118U3484	118U3484	118U3484
Filter drier	023Z5041	023Z5044	023Z5044	023Z5044	023Z5041	023Z5041	023Z5041	023Z5041
Liquid valve	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761
Receiver	118U3475	118U3476	118U3476	118U3476	118U3475	118U3475	118U3475	118U3475
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U3762	118U3763	118U3763	118U3763	118U3762	118U3762	118U3762	118U3762
Fan speed controller	-	-	-	-	061H3144	061H3144	061H3144	061H3144
Solenoid valve body	-	-	-	-	-	-	-	-
Solenoid valve coil	-	-	-	-	-	-	-	-
Electrical spare parts								
Contact kit	118U3894	118U3896	118U3896	118U3896	118U3867	118U3867	118U3894	118U3867
Overload relay	118U3876	118U3877	118U3878	118U3878	118U3879	118U3880	118U3876	118U3880
Run capacitor	-	-	-	-	8173231	120Z0051	-	8173041
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	-	-	-	-	120Z0399	120Z0399	-	8173001
Starting relay	-	-	-	-	120Z0394	120Z0394	-	120Z0394
Circuit breaker	118U3873	118U3873	118U3874	118U3874	118U3869	118U3873	118U3873	118U3870
Electrical characteristics								
Wiring Diagram	WD7	WD7	WD7	WD7	WD8	WD8	WD9	WD8
LRA Compressor [A]	45	60	70	82	60	97	45	97
MCC Compressor [A]	9.5	13	15	15	19	25	9.5	26
Max cont.power [kW]	3.85	5.63	6.64	7.81	2.86	3.3	4.51	4.38
MCC Fan [A]	1.1	2	2	2	1.1	1.1	1.1	1.1
Fan Power [W]	135	250	250	250	135	135	135	135
Electrical characteristics								
Acoustic hood	120Z5043	120Z5044	120Z5044	120Z5044	120Z5043	120Z5043	120Z5043	120Z5043
FSC Female connection	061H3144	061H3144	061H3144	061H3144	-	-	-	-
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Designation	MPVE057ML	MPVE068ML	MPVE068ML	MPVE080ML	MPVE080ML	MPVE099ML	MPVE108ML
Code Number	114X7166	114X7214	114X7167	114X7215	114X7168	114X7169	114X7170
Version	W10	W10	W10	W10	W10	W10	W10
Compressor description	MLZ026T4A	MLZ030T5A	MLZ030T4A	MLZ038T5A	MLZ038T4A	MLZ045T4A	MLZ048T4A
Chassis	B2	B3	B3	B3	B3	B3	B3
Spare parts							
Compressor single pack	121L8637	121L8643	121L8641	121L8647	121L8645	121L8649	121L8651
Oil	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648	120Z0648
Condenser	118U5218	118U5219	118U5219	118U5219	118U5219	118U5219	118U5219
Dual pressure switch	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091	060-533091
LP pressure cartridge	-	-	-	-	-	-	-
Fan blade	118U3766	118U3768	118U3768	118U3768	118U3768	118U3768	118U3768
Fan motor*	118U3765	118U3767	118U3767	118U3767	118U3767	118U3767	118U3767
Fan cowl/grill	118U3484	118U3485	118U3485	118U3485	118U3485	118U3485	118U3485
Filter drier	023Z5041	023Z5044	023Z5044	023Z5044	023Z5044	023Z5044	023Z5044
Liquid valve	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761	118U3761
Receiver	118U3475	118U3476	118U3476	118U3476	118U3476	118U3476	118U3476
Sight glass	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173	014L0173
Suction valve	118U3762	118U3763	118U3763	118U3763	118U3763	118U3763	118U3763
Fan speed controller	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144	061H3144
Solenoid valve body	-	-	-	-	-	-	-
Solenoid valve coil	-	-	-	-	-	-	-
Electrical spare parts							
Contact kit	118U3894	118U3895	118U3896	118U3868	118U3896	118U3896	118U3896
Overload relay	118U3876	118U3880	118U3877	118U3881	118U3878	118U3878	118U3878
Run capacitor	-	8173233	-	8173234	-	-	-
Sequence phase relay	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882	118U3882
Starting capacitor	-	120Z0400	-	8173001	-	-	-
Starting relay	-	120Z0394	-	120Z0395	-	-	-
Circuit breaker	118U3873	118U3871	118U3873	118U3874	118U3874	118U3874	118U3874
Electrical characteristics							
Wiring Diagram	WD9	WD8	WD9	WD8	WD9	WD9	WD9
LRA Compressor [A]	45	127	60	130	70	82	87
MCC Compressor [A]	10	32	13	38	15	15	16
Max cont.power [kW]	4.36	3.35	5.63	6.64	6.64	7.81	8.46
MCC Fan [A]	1.1	2	2	2	2	2	2
Fan Power [W]	135	250	250	250	250	250	250
Electrical characteristics							
Acoustic hood	120Z5043	120Z5044	120Z5044	120Z5044	120Z5044	120Z5044	120Z5044
FSC Female connection	-	-	-	-	-	-	-
Discharge Gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fusible plug	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170	118U5170

* (capacitor included)

MCC - Max Continuous Current

LRA - Locked Rotor Amps

FSC - Fan Speed Controller

Note:

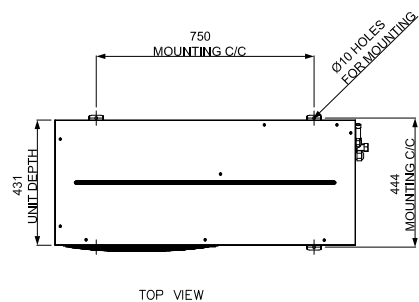
1. For W02 & W04 versions, KP Switch is applicable for Units Serial No from 049377CG2816 . Before this serial Nos HP/LP Switch is applicable
LP Pressure cartridge : ACB-2UA59, 061F7595/J61F7798 HP Pressure cartridge : ACB-2UB246W, 061F8215

2. Only For W08 version products, manufactured before June 2017 units were sent in W04 version.

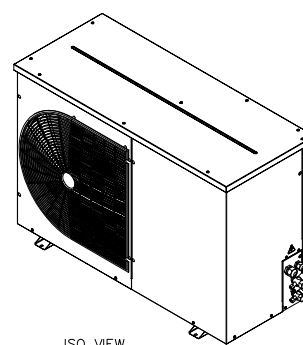
Component type	Component code	Component description	Additional informations
Capacitor	8173001	Start capacitor 100µF 330V+R	
Capacitor	8173002	Start capacitor 135µF 330V+R	
Capacitor	120Z0400	Start capacitor 161-193µF 330V+R	
Capacitor	120Z0399	Start capacitor 145-175 µF 330V+R	
Circuit Breaker	118U3869	Kit Circuitbreaker - C60H2P25AC	
Circuit Breaker	118U3870	Kit Circuitbreaker - C60H2P32AC	
Circuit Breaker	118U3871	Kit Circuitbreaker - C60H2P40AC	
Circuit Breaker	118U3872	Kit Circuitbreaker - C60H4P10AC	
Circuit Breaker	118U3873	Kit Circuitbreaker - C60H4P16AC	
Circuit Breaker	118U3874	Kit Circuitbreaker - C60H4P20AC	
Circuit Breaker	118U3899	Kit Circuitbreaker - C60H2P50AC	
Circuit Breaker	118U3976	Kit Circuitbreaker - C60H2P16A	
Compressor Single Pack	121L8631	MLZ015T5LP9A Compressor	
Compressor Single Pack	121L8629	MLZ015T4LP9A Compressor	
Compressor Single Pack	MT28-5VI	MT28-5VI Compressor	
Compressor Single Pack	MT28-4VI	MT28-4VI Compressor	
Compressor Single Pack	121L8635	MLZ021T5LP9A Compressor	
Compressor Single Pack	121L8633	MLZ021T4LP9A Compressor	
Compressor Single Pack	MT36-5VI	MT36-5VI Compressor	
Compressor Single Pack	MT36-4VI	MT36-4VI Compressor	
Compressor Single Pack	121L8643	MLZ030T5LC9A Compressor	
Compressor Single Pack	121L8641	MLZ030T4LC9A Compressor	
Compressor Single Pack	121L8647	MLZ038T5LC9A Compressor	
Compressor Single Pack	121L8645	MLZ038T4LC9A Compressor	
Compressor Single Pack	121U8793	MLZ042T5LC9A Compressor	
Compressor Single Pack	121L8649	MLZ045T4LC9A Compressor	
Compressor Single Pack	121L8651	MLZ048T4LC9A Compressor	
Compressor Single Pack	121L8639	MLZ026T5LP9A Compressor	
Compressor Single Pack	121L8637	MLZ026T4LP9A Compressor	
Compressor Single Pack	120F0087	NTZ048A5LR1A Compressor single	
Compressor Single Pack	120F0001	NTZ048A4LR1-Single Recip Comp	
Compressor Single Pack	120F0088	NTZ068-5LR1A-Single	
Compressor Single Pack	120F0002	NTZ068A4LR1A-Single Recip Comp	
Compressor Single Pack	121L9535	Compressor LLZ013T4LQ9A	
Compressor Single Pack	121L9537	Compressor LLZ015T4LQ9A	
Compressor Single Pack	121L9539	Compressor LLZ018T4LQ9A	
Condenser	118U5219	Spare part, 9513 B2, D7 MCHX	
Condenser	118U5218	Spare part, 9513 B3, G7 MCHX	
Contact kit	118U3867	Kit Cont - LC1E2501M6	
Contact kit	118U3893	Kit Cont - LC1E0901M5	
Contact kit	118U3895	Kit Cont - LC1E3201M5	
Contact kit	118U3868	Kit Cont - LC1E3801M6	
Contact kit	118U3894	Kit Cont - LC1E1201M5	
Contact kit	118U3896	Kit Cont - LC1E1801M5	
Contact kit	118U5540	CONTACTOR, HFUC3-09C01M7, 400V, 9A, 1NC	
Contact kit	118U5541	CONTACTOR, HFUC3-12C01M7, 400V, 12A, 1NC	
Contact kit	118U5542	CONTACTOR, HFUC3-09C01M7, 400V, 9A, 1NC	
Crankcase heater	120Z0459	PTC Crankcase heater	
Crankcase heater	120Z5040	Crankcase heater, 240V 70W	
Dual pressure switch	060-533091	KP17WB Pressure switch I/32	
Dual pressure switch	060-539766	KP17WB Pressure switch M/24	
Fan blade	118U3766	Spare part fan blade Dia 457 mm for B2	
Fan blade	118U3768	Spare part fan blade Dia 600 mm for B3	
Fan cowl/grill	118U3484	Fan Grill Housing 2 OP PLUS	
Fan cowl/grill	118U3485	Fan Grill Housing 3 OP PLUS	

Component type	Component code	Component description	Additional informations
Fan motor (Capacitor included)	118U3765	Spare part Fan motor for B2 for high amb	
Fan motor (Capacitor included)	118U3767	Spare part Fan motor for B3 for high amb	
Fan speed control	061H3144	XGE Fan speed controller 2C	
Filter drier	023Z5040	Filter drier DML 083 M/24	
Filter drier	023Z5041	Filter drier DML 084 M/24	
Filter drier	023Z5044	Filter drier DML 164 M/12	
Liquid valve	118U3959	Spare part, Flare service valve 3/8"	
Liquid valve	118U3757	Spare part, Flare service valve 1/2" (R22)	
Liquid valve	118U3761	Spare part - Brazed service valve 1/2"	
Liquid valve	118U3986	Spare part - Flare service valve 3/8" (R22)	
Liquid valve	118U5641	Spare part, Flare service valve 3/8"	
Liquid valve	118U5642	Spare part, Flare service valve 1/2"	
LP pressure cartridge	061F7798	ACB Cartridge switch 2UA947W I/50	
Oil	120Z0638	Lubricant 175PZ-1L CAN	
Oil	120Z0648	Lubricant 215PZ-1L CAN	
Oil	7754001	Lubricant 160P-2L CAN	
Overload relay	118U3875	Kit OL-Relay - LRE12+LAEB2	
Overload relay	118U3876	Kit OL-Relay - LRE14+LAEB2	
Overload relay	118U3877	Kit OL-Relay - LRE16+LAEB2	
Overload relay	118U3878	Kit OL-Relay - LRE21+LAEB2	
Overload relay	118U3879	Kit OL-Relay - LRE22+LAEB2	
Overload relay	118U3880	Kit OL-Relay - LRE32+LAEB2	
Overload relay	118U3978	Kit OL-Relay - LRE10	
Receiver	118U3475	Liquid receiver 3,4L OP PLUS	
Receiver	118U3476	Liquid receiver 6,2L OP PLUS	
Start relay	8173022	Starting relay TYPE RVA6AMKL	
Start relay	120Z0393	Starting relay RVA9CKL	
Start relay	120Z0394	Starting relay RVA3EKL	
Start relay	120Z0395	Starting relay RVA4GKL	
Run capacitor	8173041	Capacitor 30µF 450V	
Run capacitor	8173042	Capacitor 35µF 450V	
Run capacitor	8173231	Capacitor 40 µF 450V	
Run capacitor	8173233	Capacitor 50 µF 450V	
Run capacitor	8173234	Capacitor 55 µF 450V	
Run capacitor	120Z0051	Capacitor 70µF 450V	
Sequence phase relay	118U3882	KIT SPPR, GIC-SM500-MG73BF	
Sight glass	014L0172	SGP 10 N Sight Glass M/24x3	
Sight glass	014L0203	SGP 12s N Sight Glass M/28	
Sight glass	014L0173	SGP 12 N Sight Glass M/24x3	
Solenoid valve (Body)	032F1212	EVR 6 Valve ODF-ODF 3/8in Multi 12	
Solenoid valve (Body)	032F1217	EVR 10 Valve ODF-ODF 1/2in Multi 12	
Solenoid valve (Coil)	018F6251	Coil BF230AS 220-230V 50Hz 1m Cable	
Solenoid valve (Coil)	018F6701	Coil BE230AS 220-230V 50Hz Box	
Suction valve	118U3757	Spare part - Flare service valve 1/2" (R22)	
Suction valve	118U3758	Spare part - Flare service valve 3/4"	
Suction valve	118U3760	Spare part - Flare service valve 7/8" (R22)	
Suction valve	118U3762	Spare part - Braze service valve 3/4"	
Suction valve	118U3763	Spare part - Braze service valve 7/8"	
Suction valve	118U3764	Spare part - Braze service valve 5/8"	
Suction valve	118U4008	Spare part - Braze service valve 3/4" (R22)	
Suction valve	118U4009	Spare part - Braze service valve 5/8" (R22)	
Suction valve	118U5642	Spare part, Flare service valve 1/2"	
Suction valve	118U5644	Spare part, Flare service valve 7/8"	

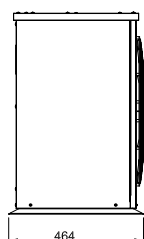
Housing B2



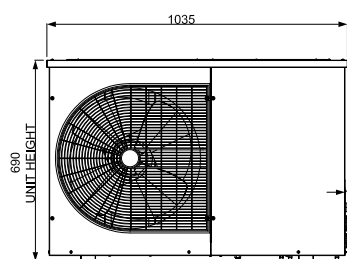
TOP VIEW



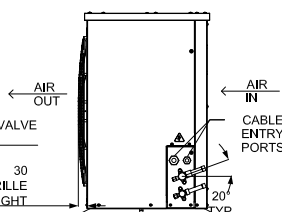
ISO VIEW



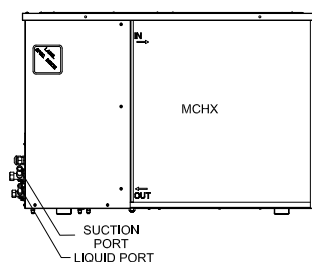
LH VIEW



FRONT VIEW

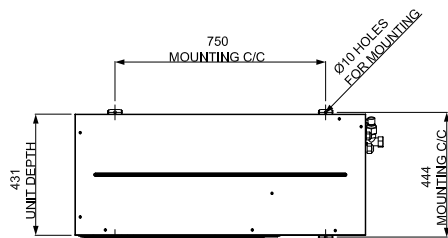


RH VIEW

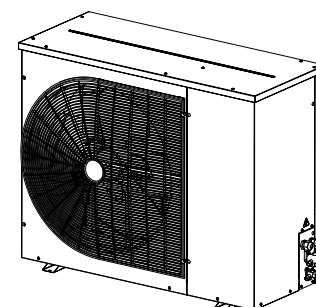


BACK VIEW

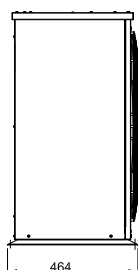
Housing B3



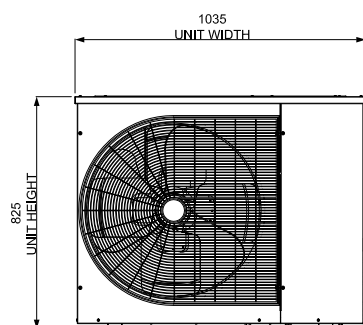
TOP VIEW



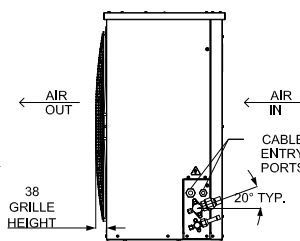
ISO VIEW



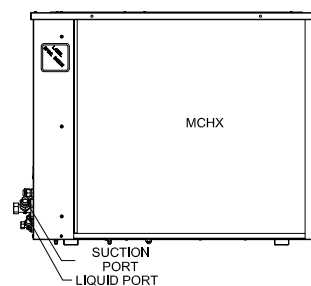
LH VIEW



FRONT VIEW



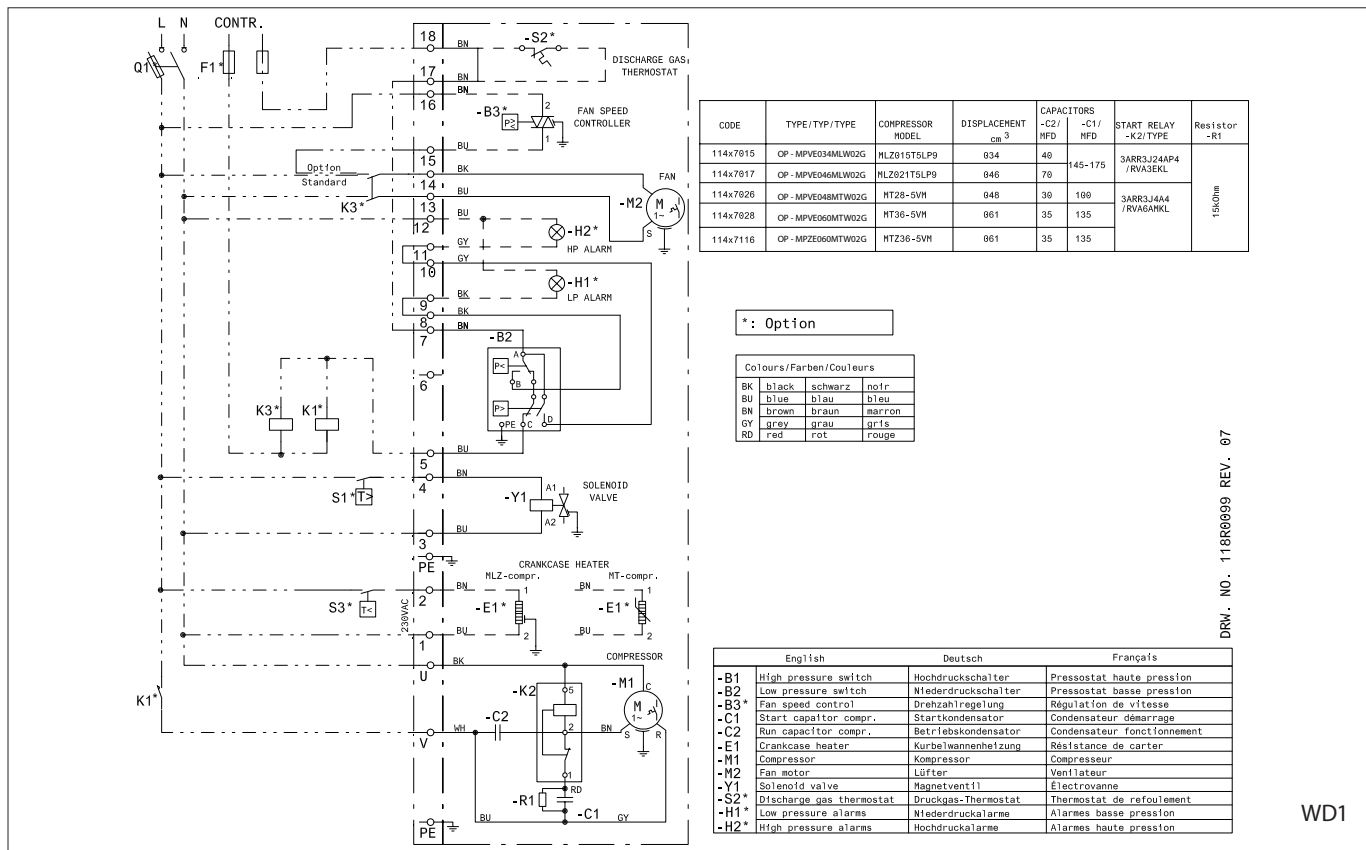
RH VIEW



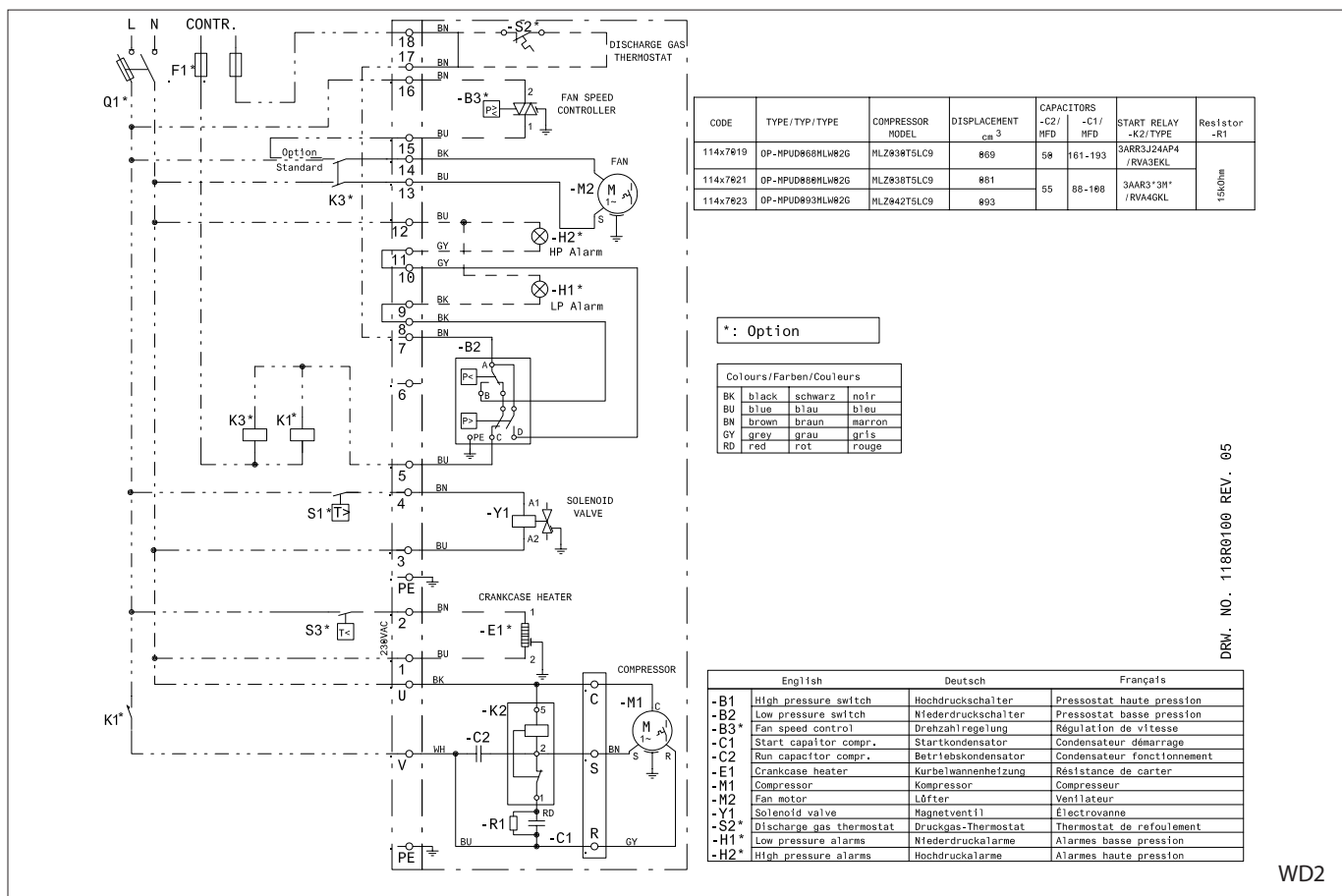
BACK VIEW

Dimension in mm

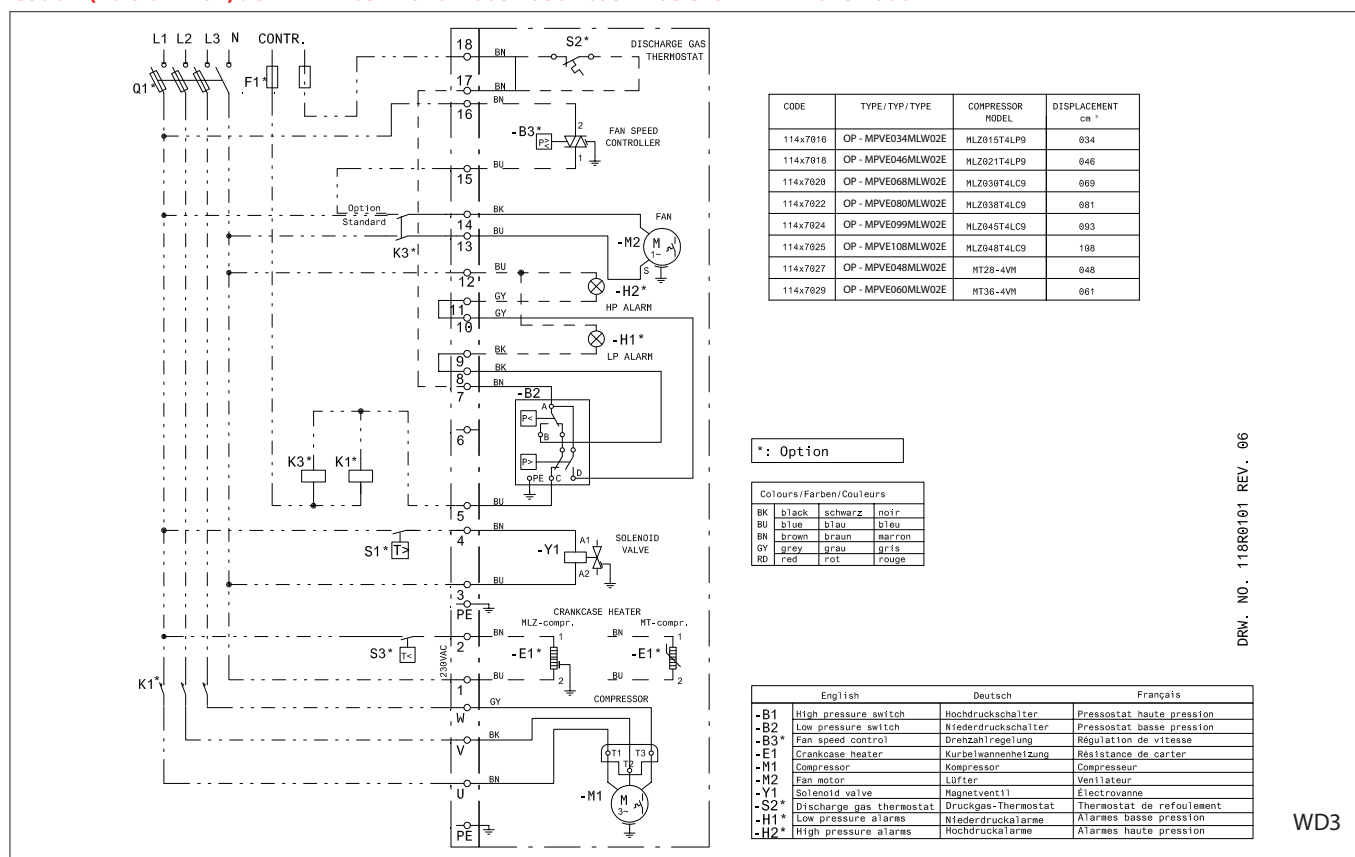
Code G (version W02): OP-MPVE034 - 046 & OP-MPME048 - 060 & OP-MPZE060



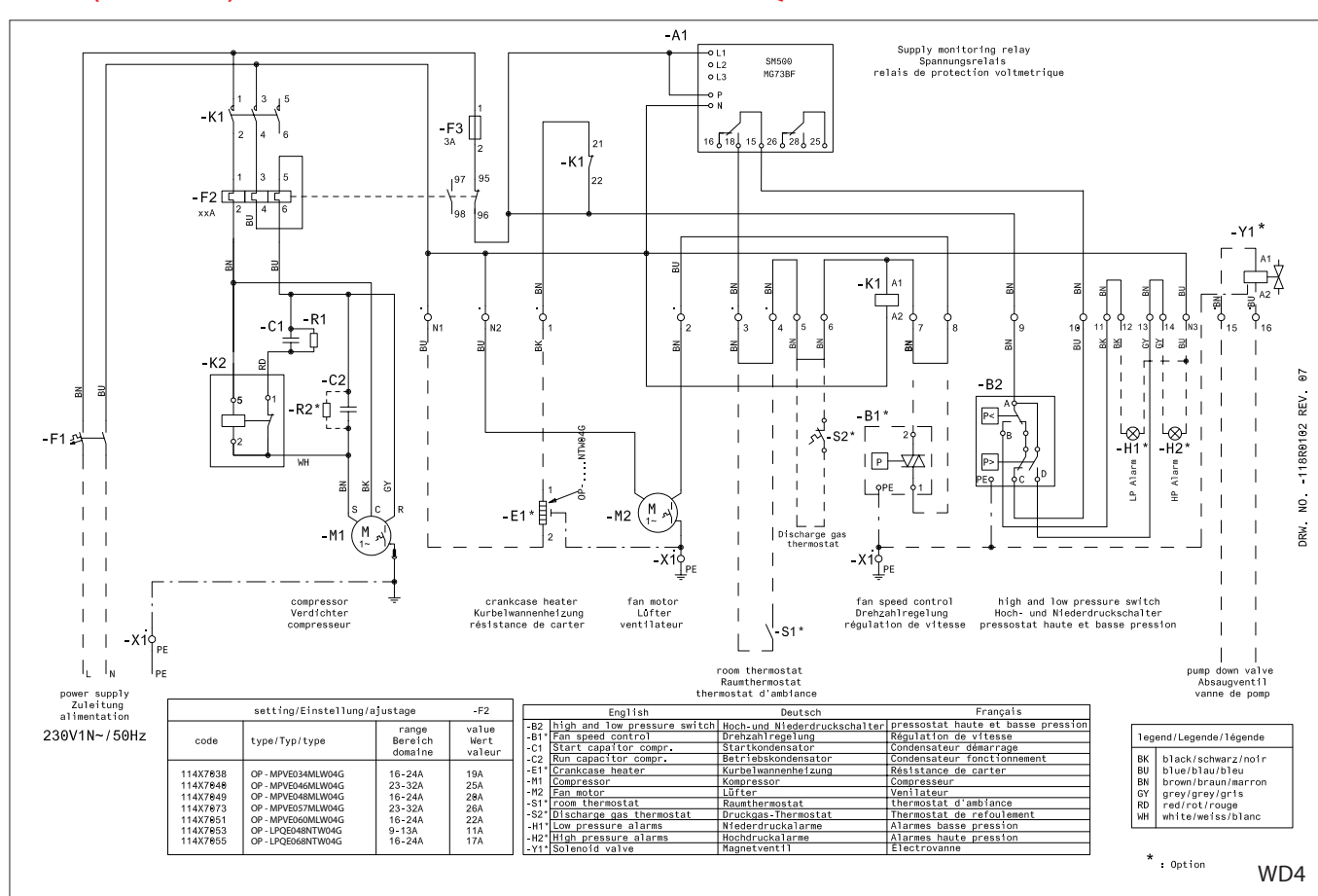
Code G (version W02): OP-MPVE068 - 080 - 093



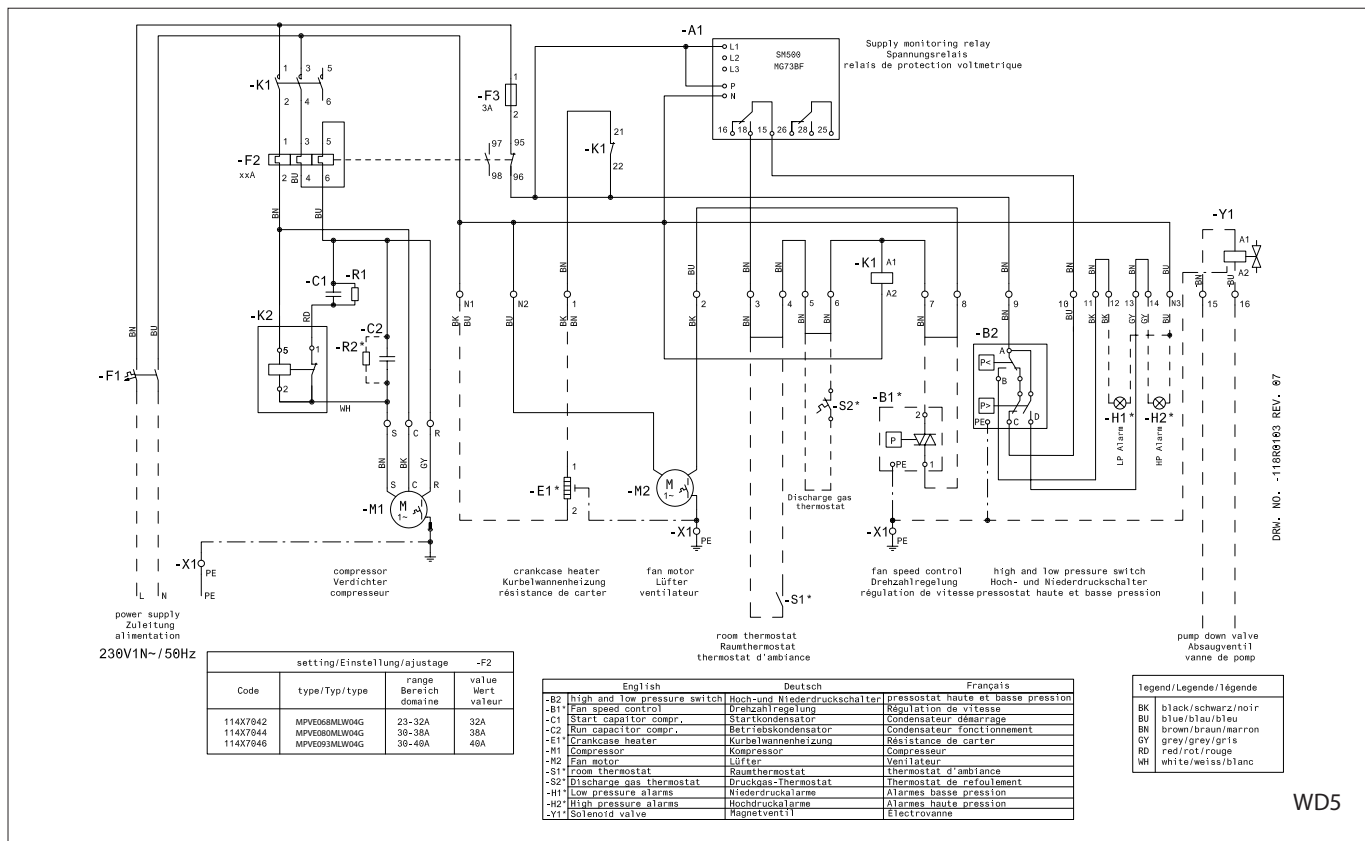
Code E (version W02) : OP-MPVE034 - 046 - 068 - 080 - 099 - 108 & OP-MPME048 - 060



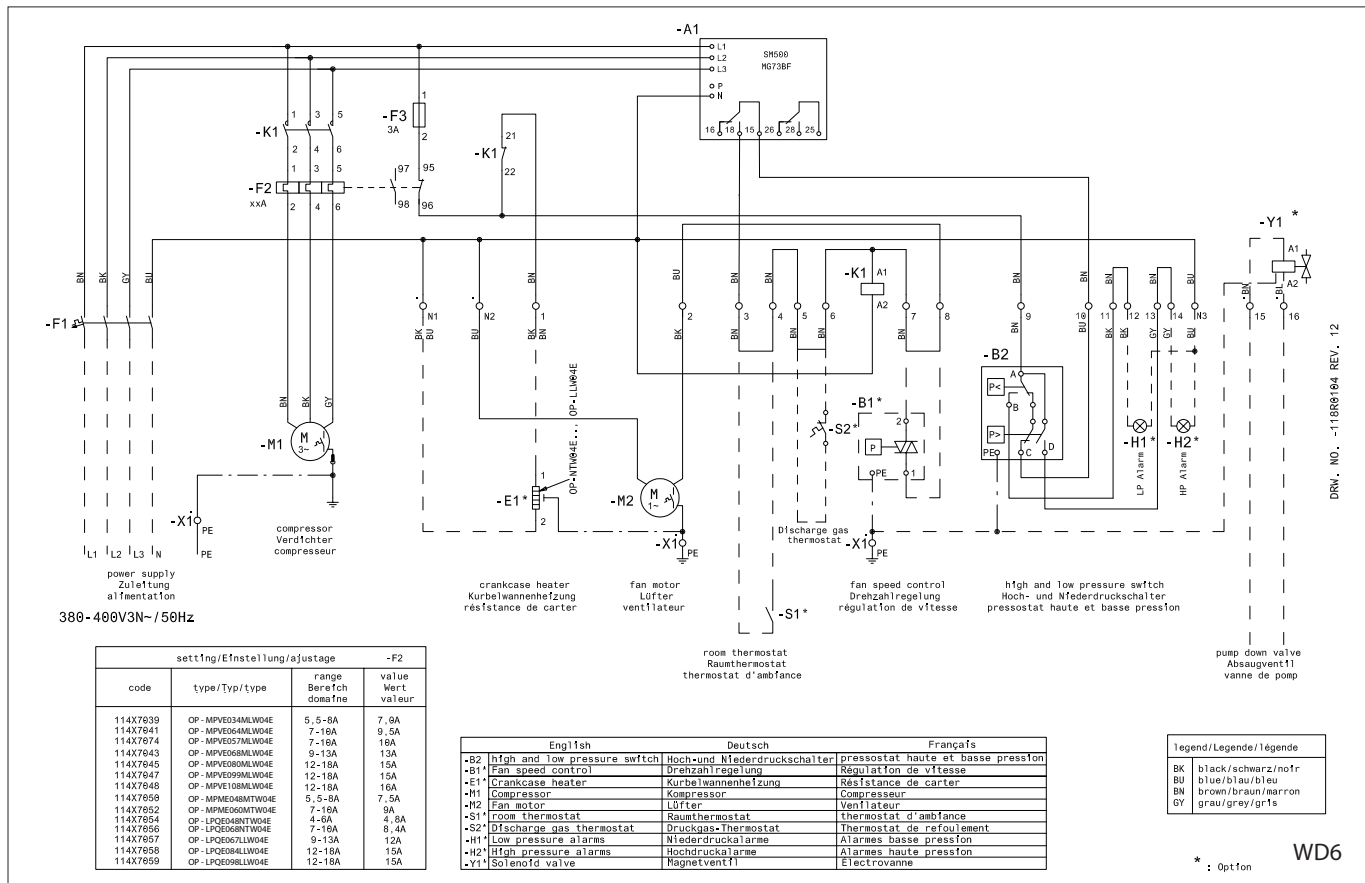
Code G (version W04): OP-MPVE034 - 046 - 057 & OP-MPME048 - 060 & LPQE048 - 068



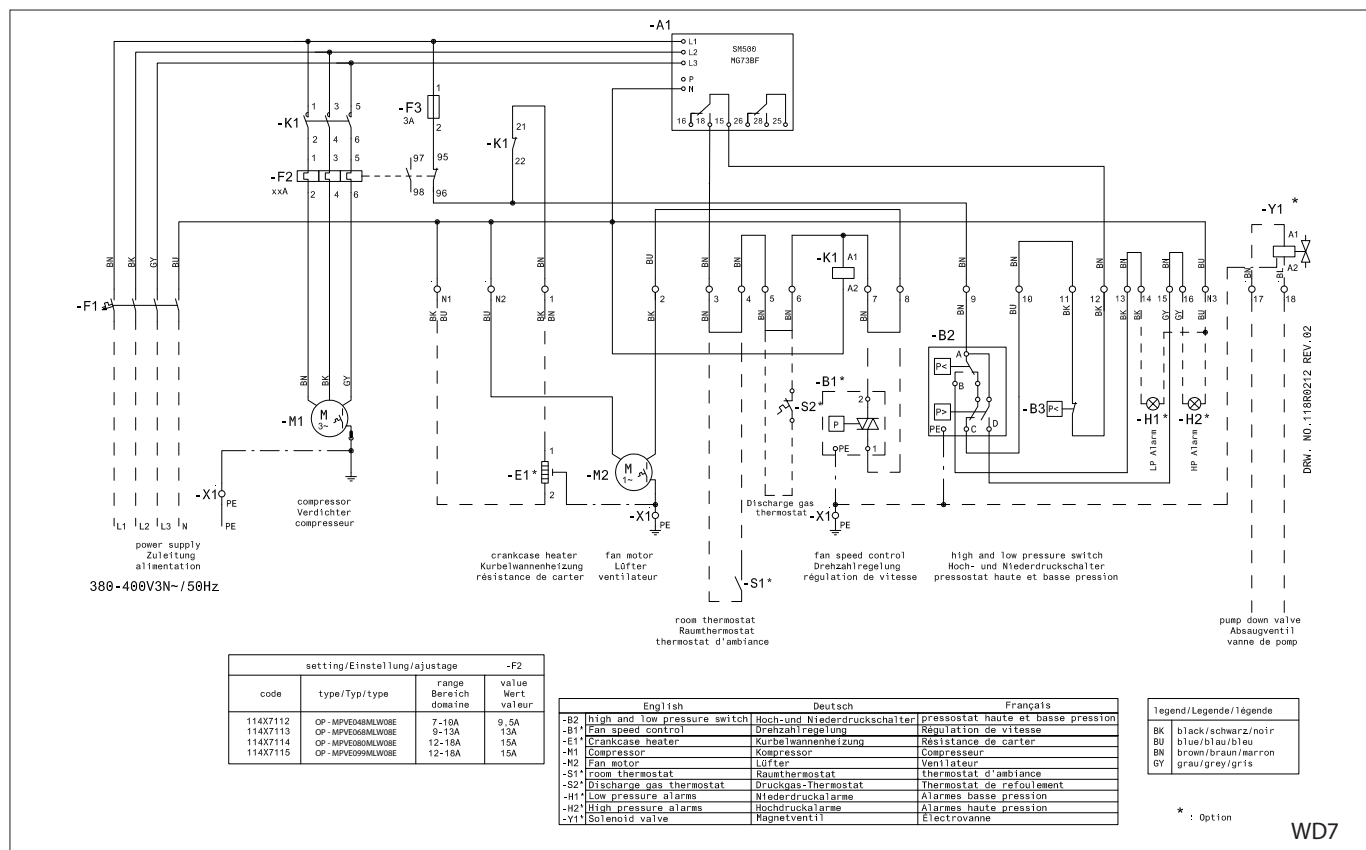
Code G (version W04): OP-MPVE068 - 080 - 093



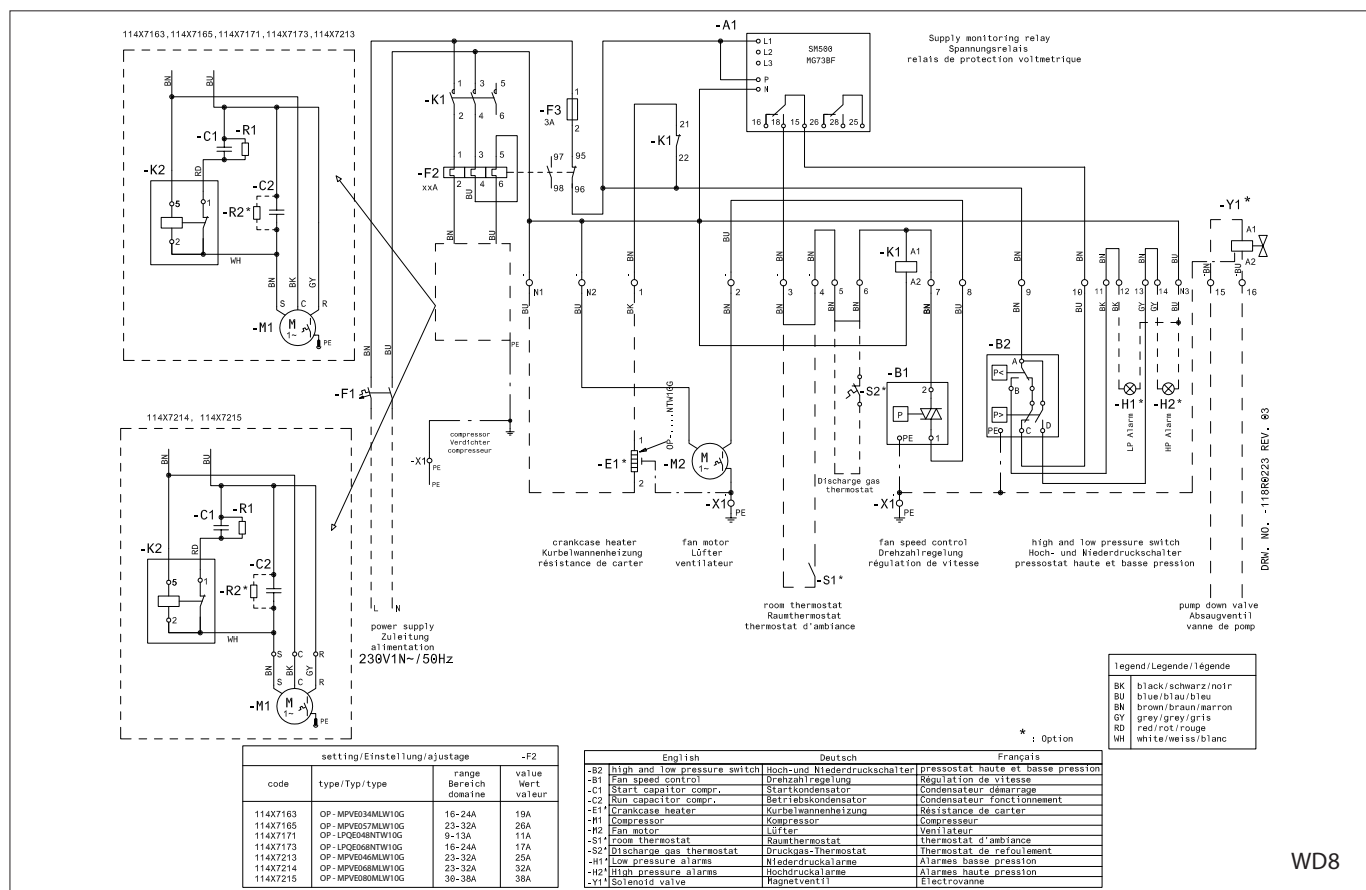
Code E (version W04) : OP-MPVE034 - 046 - 057 - 068 - 080 - 099 - 108; OP-MPME048 - 060; OP-LPQE048 - 067 - 068 - 083 - 097



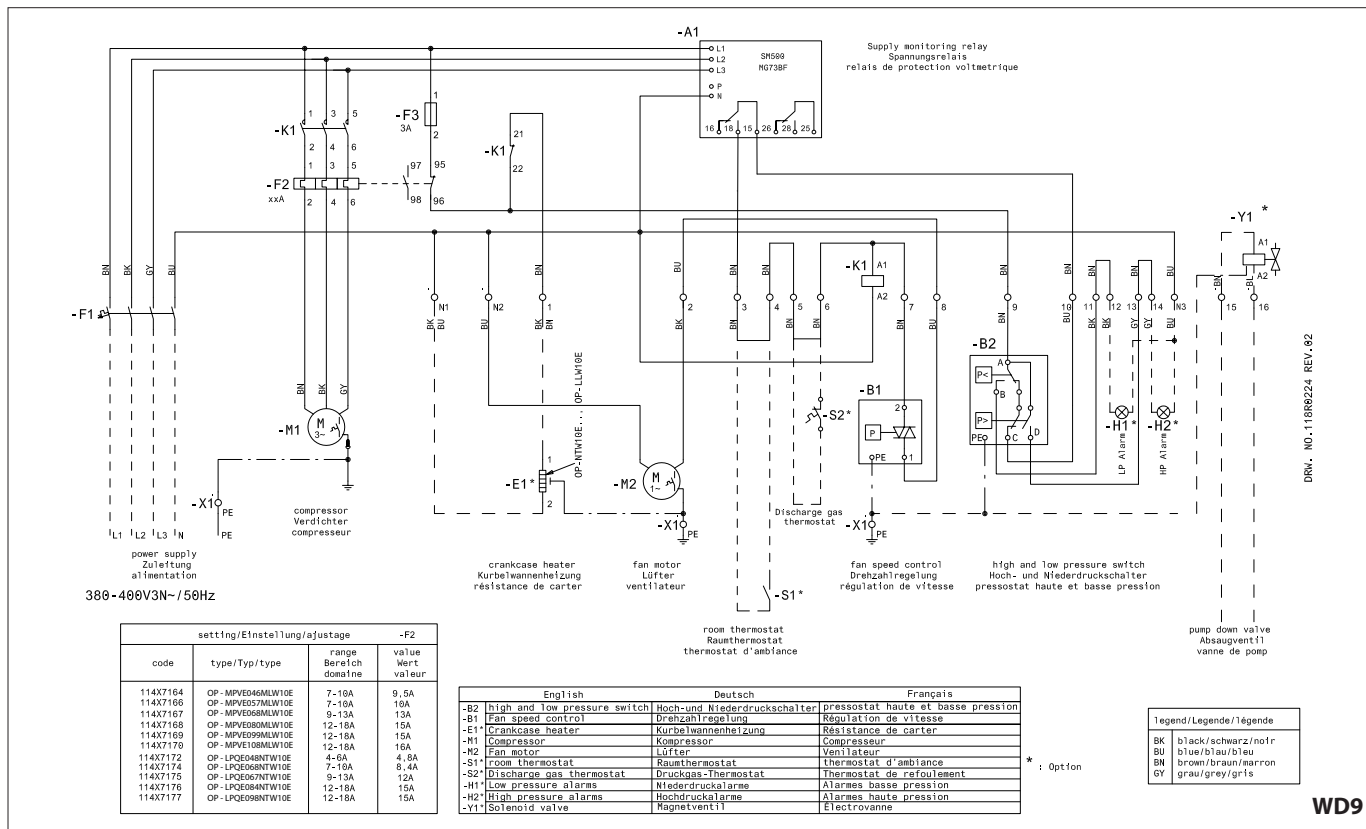
Code E (version W08) : OP-MPVE046 - 068 - 080 - 099



Code G (version W10) : OP-MPVE034 -046- 057-068-080; OP-LPQE048 - 068



Code E (version W10) : OP-MPVE046 - 057 - 068 - 080 - 099 - 108; OP-LPQE048 - 068 - 067 - 083 - 097



Legend

BK black
BU blue
BN brown
GY grey
RD red
WH white

A1 Supply & phase reversal protection relay
B1* Fan Speed Controller
B2 DUAL Pressure Switch
B3 Low pressure switch
B3* Fan Speed Controller
C1 Start capacitor compressor
C2 Run capacitor compressor
E1, E1* Crankcase heater
F1 Main switch

F1* Fuse control circuit
F2 Overload relay
F3 Fuse control circuit
H1* Low pressure alarms
H2* High pressure alarms
M1 Compressor
M2 Fan motor
K1, K1* Contactor
K2 Start relay

K2* Compressor contactor
K3* Fan contactor
Q1* Main switch
R1,R2 Bleeder resistor
S1* Room thermostat
S2* Discharge gas thermostat
S3* Pump down thermostat
X1 Terminals
Y1* Solenoid valve

Danfoss Cooling

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Danfoss Scrolls



Danfoss Inverter Scrolls



Danfoss Light Commercial Refrigeration Compressors



Danfoss Maneurop Reciprocating Compressors



Danfoss Turbocor Compressors



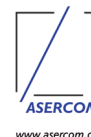
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Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

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