

ENGINEERING
TOMORROW

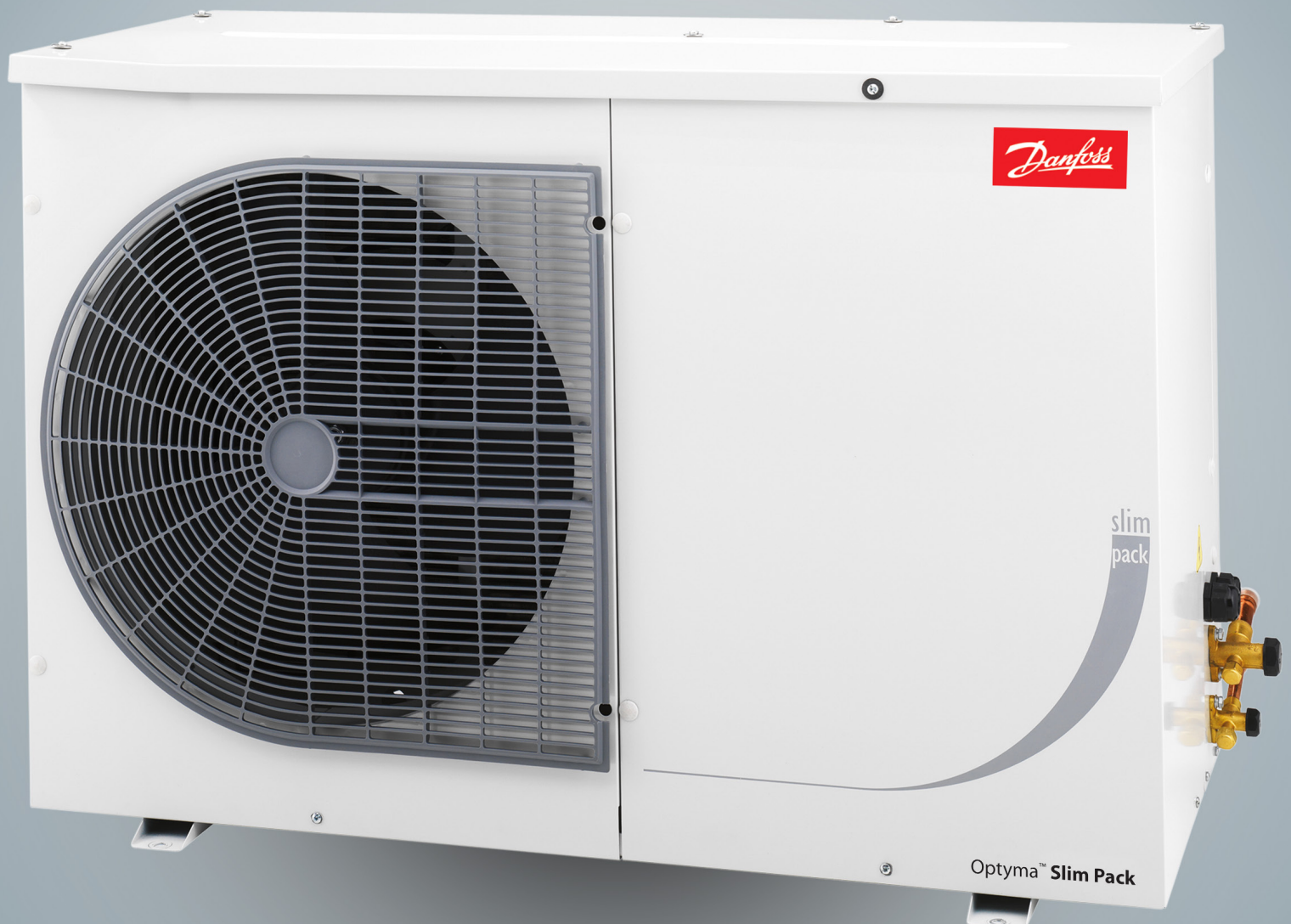
Danfoss

Catalogue

Optyma™ Slim Pack

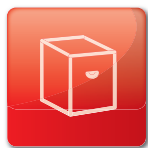
Just mount, connect
piping and plug

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



www.danfoss.com

Optyma™
by Danfoss



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



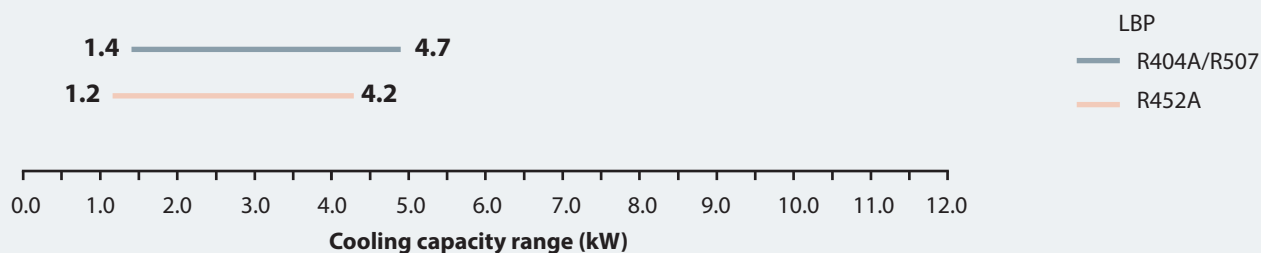
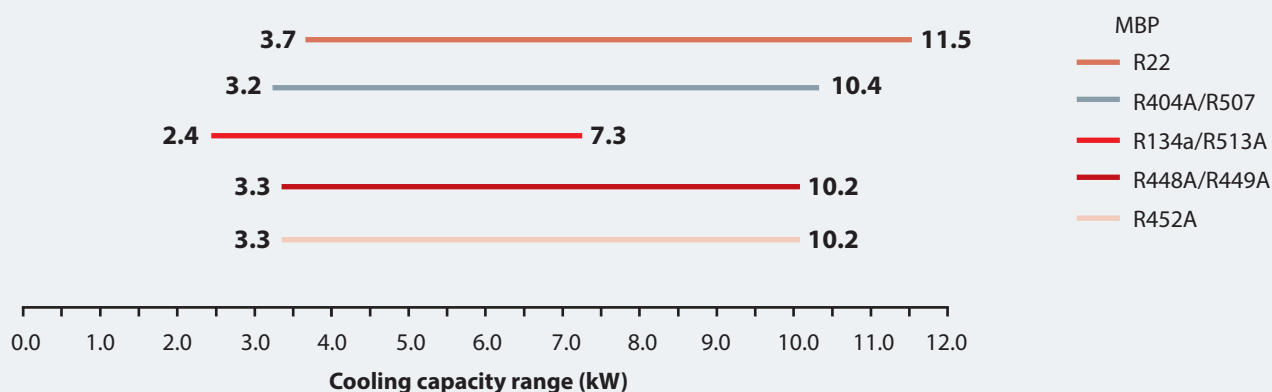
- Easy & fast cleaning
- Less refrigerant charge
- Longer life time
- High efficiency

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.

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

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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.

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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	2.272	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						MLZ042	32	4.575	5.951	7.442	9.079	10.893	12.910	15.155	2.877	70	39	
	114X7023	114X7046	-	-	G		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						MLZ045	32	5.105	6.418	7.989	9.807	11.860	14.136	16.620	2.742	70	39	
	114X7024	114X7047	114X7115	114X7169	E		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						MLZ048	32	5.399	6.788	8.429	10.319	12.450	14.816	17.407	2.962	70	39	
	114X7025	114X7048	-	114X7170	E		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 $\pm 3\%$ 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						MLZ042	32	5.015	6.165	7.528	9.120	10.953	13.035	15.371	3.084	70	39	
	114X7023	114X7046	-	-	G		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						MLZ045	32	5.348	6.606	8.066	9.742	11.645	13.777	16.140	3.050	70	39	
	114X7024	114X7047	114X7115	114X7169	E		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						MLZ048	32	5.660	7.009	8.571	10.362	12.391	14.663	17.180	3.317	70	39	
	114X7025	114X7048	-	114X7170	E		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