

CONDENSING UNITS

Danfoss

Optyma™ Plus



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Optyma™ Plus

The Danfoss Optyma™ outdoor condensing units are designed to provide different refrigerant options, depending on your specific needs. They offer standard versions that use A1 refrigerants, multi-refrigerant versions that offer both A1 and A2L refrigerants in a single unit, as well as natural refrigerant versions that use CO2 refrigerant. Indoor models are also available with R290.

This variety of options ensures that you can find a suitable solution without having to deal with complicated configurations. In addition, these units have high energy efficiency and cooling performance, making them suitable for both medium and low-temperature applications. They are also designed to be easy to install and are reliable, making them ideal for supporting the transition towards greener technologies.



Optyma™ Plus

Equipped for quietness and top performance.

The same robust quality with added technology and smarter design. That's a seriously cool combination.



Quick and safe installation and service

Same serviceable units, upgraded for A2L refrigerants. Ignition proof tested in TÜV laboratory.



High SEPR*

All models in the range are highly efficient and well above EcoDesign 2018 thresholds, contributing to a reduction in energy costs. *SEPR: Seasonal Energy Performance Ratio.



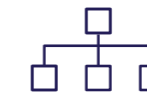
A2L

Multi-refrigerants units for complexity reduction, available with new code numbers. Go A2L for a sustainable compliant choice.



Suitable for residential areas

It operates up to 7 dB(A) lower than other packaged units of the same capacity and the fan-speed controller further reduces the sound level by up to 4 dB(A).



Connectivity

Contributes to considerable energy savings, making the Optyma™ Plus up to 20% more economical than an equivalent product.

Standard range (P00 and P02)

In-field stacking cuts costs

With its unique load-bearing design, it's possible to stack units in the field. This cuts installation time, and saves on carpentry and brackets to reduce cost.

Compact cabinet speeds installation

New compact design makes it easier to maneuver when fitting in tight spaces, saving installation time.

New MCHE alloy coils

New upgraded alloy with 1000 hours salt spray test



Accessibility to speed up service

Easier and quicker accessibility to all components with new double door design – saves time during servicing, maintenance and repair.

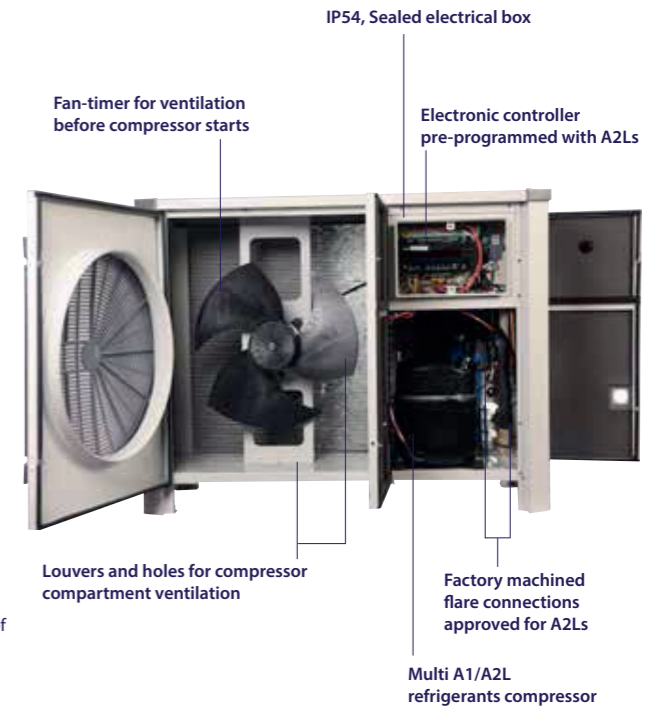
Intelligent technology speeds start-up and enhances reliability

Preset parameters make it easier to get it right from the start. Fewer mistakes reduce the risk of damage and save time and money on repairs.

P02: Scroll compressor with Liquid injection management for safety and reliability of installation using high glide refrigerants

Multi refrigerant range (P00)

additional feature



IP54, Sealed electrical box

Fan-timer for ventilation before compressor starts

Electronic controller pre-programmed with A2Ls

Louvers and holes for compressor compartment ventilation

Factory machined flare connections approved for A2Ls

Multi A1/A2L refrigerants compressor

Electrical components approved for A2Ls



Stacking up to 2 units

Optyma™ Plus - Performance data R452A LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C				
OP-LPVM016DP	114X3110	P00	A1 + A2L	G	27	0.34	0.48	0.62	0.78	0.95	1.14	1.33	0.97	-	10	31
					32	0.30	0.42	0.56	0.70	0.86	1.03	1.21				
					38	0.26	0.36	0.48	0.61	0.75	0.90	1.07				
					43	0.22	0.31	0.41	0.53	0.66	0.80	0.95				
OP-LPQM017DP	114X3118	P00	A1	G	27	-	0.47	0.61	0.76	0.93	1.11	-	0.98	-	10	29
					32	-	0.42	0.55	0.69	0.84	1.01	-				
					38	-	0.36	0.47	0.6	0.74	0.89	-				
					43	-	0.31	0.41	0.52	0.65	0.79	-				
OP-LPVM026DS	114X3201	P00	A1 + A2L	G	27	0.48	0.69	0.94	1.22	1.53	1.88	2.26	0.97	-	10	37
					32	0.43	0.62	0.85	1.12	1.41	1.74	2.10				
					38	0.38	0.55	0.75	0.99	1.26	1.57	1.91				
					43	0.34	0.49	0.67	0.89	1.14	1.43	1.75				
OP-LPQM026AJ	114X3216	P00	A1	G	27	0.50	0.70	0.93	1.20	1.52	1.89	-	0.99	-	16	36
					32	0.44	0.61	0.83	1.08	1.38	1.72	-				
					38	0.36	0.52	0.71	0.94	1.21	1.52	-				
					43	-	0.44	0.62	0.82	1.06	1.34	-				
OP-LPVM034DS	114X3202	P00	A1 + A2L	G	27	0.65	0.93	1.25	1.62	2.02	2.46	2.93	1.01	-	10	37
					32	0.59	0.85	1.14	1.48	1.85	2.27	2.72				
					38	0.52	0.74	1.01	1.31	1.66	2.04	2.46				
					43	0.46	0.66	0.90	1.17	1.49	1.85	2.24				
OP-LPQM048NT	114X3233	P00	A1	E	27	0.79	1.11	1.50	1.92	2.41	2.93	-	1.12	-	10	38
					32	0.68	0.98	1.33	1.72	2.16	2.63	-				
					38	0.54	0.82	1.14	1.48	1.87	2.28	-				
					43	0.42	0.68	0.97	1.28	1.62	1.99	-				
OP-LPVM048NT	114X3205	P00	A1+A2L	E	27	0.79	1.11	1.5	1.92	2.41	2.93	-	1.12	-	10	38
					32	0.68	0.98	1.33	1.72	2.16	2.63	-				
					38	0.54	0.82	1.14	1.48	1.87	2.28	-				
					43	0.42	0.68	0.97	1.28	1.62	1.99	-				
OP-LPQM048NT	114X3225	P00	A1	G	27	0.82	1.15	1.55	2.00	2.53	3.11	-	1.18	-	10	38
					32	0.70	1.00	1.37	1.78	2.26	2.79	-				
					38	0.57	0.84	1.16	1.53	1.96	2.43	-				
					43	0.47	0.71	1.00	1.33	1.71	2.13	-				
OP-LPVM048NT	114X3204	P00	A1+A2L	G	27	0.82	1.15	1.55	2.00	2.53	3.11	-	1.18	-	10	38
					32	0.70	1.00	1.37	1.78	2.26	2.79	-				
					38	0.57	0.84	1.16	1.53	1.96	2.43	-				
					43	0.47	0.71	1.00	1.33	1.71	2.13	-				
OP-LPQM068NT	114X3249	P00	A1	E	27	1.27	1.71	2.22	2.76	3.32	3.93	-	1.24	-	16	39
					32	1.11	1.50	1.96	2.45	2.96	3.51	-				
					38	0.92	1.26	1.66	2.08	2.55	3.02	-				
					43	0.77	1.07	1.43	1.80	2.21	2.62	-				
OP-LPVM068NT	114X3207	P00	A1+A2L	E	27	1.27	1.71	2.22	2.76	3.32	3.93	-	1.24	-	16	39
					32	1.11	1.50	1.96	2.45	2.96	3.51	-				
					38	0.92	1.26	1.66	2.08	2.55	3.02	-				
					43	0.77	1.07	1.43	1.8	2.21	2.62	-				
OP-LPQM068NT	114X3241	P00	A1	G	27	1.31	1.73	2.21	2.73	3.32	3.93	-	1.07	-	25	39
					32	1.12	1.51	1.95	2.43	2.97	3.53	-				
					38	0.91	1.25	1.65	2.08	2.56	3.05	-				
					43	0.73	1.05	1.41	1.80	2.23	2.66	-				
OP-LSQM068FH	114X3253	P00	A1	E	27	1.20	1.72	2.33	3.04	3.84	4.71	-	1.08	-	10	38
					32	0.99	1.47	2.04	2.69	3.43	4.24	-				
					38	0.75	1.18	1.69	2.28	2.94	3.67	-				
					43	-	0.95	1.41	1.94	2.54	3.20	-				

LBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

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Optyma™ Plus - Performance data R452A LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C				
OP-LSQM068FH	114X3252	P00	A1	G	27	1.29	1.85	2.50	3.26	4.09	4.99	-	1.10	-	10	38
					32	1.07	1.58	2.18	2.88	3.65	4.47	-				
					38	0.81	1.27	1.81	2.44	3.13	3.86	-				
					43	-	1.02	1.51	2.08	2.70	3.36	-				
OP-LPOM067LL	114X3371	P02	A1	E	27	2.02	2.60	3.32	4.16	5.16	6.31	-	-	1.71	16	40
					32	1.88	2.41	3.07	3.85	4.78	5.85	-				
					38	1.72	2.19	2.78	3.47	4.31	5.28	-				
					43	1.58	2.00	2.53	3.15	3.91	4.80	-				
OP-LPOM084LL	114X3372	P02	A1	E	27	2.52	3.19	3.99	4.91	5.99	7.23	-	-	1.67	20	42
					32	2.33	2.94	3.69	4.54	5.55	6.70	-				
					38	2.09	2.64	3.31	4.08	4.99	6.03	-				
					43	1.88	2.38	2.98	3.68	4.50	5.45	-				
OP-LPOM098LL	114X3373	P02	A1	E	27	2.94	3.72	4.64	5.69	6.92	8.30	-	-	1.68	20	43
					32	2.71	3.43	4.28	5.25	6.39	7.67	-				
					38	2.43	3.07	3.84	4.71	5.73	6.88	-				
					43	2.18	2.76	3.45	4.23	5.15	6.20	-				
OP-LPOM120LL	114X3485	P02	A1	E	27	3.79	4.82	6.06	7.49	9.18	11.14	-	-	1.76	32	47
					32	3.51	4.46	5.62	6.95	8.54	10.37	-				
					38	3.15	4.01	5.06	6.28	7.72	9.40	-				
					43	2.84	3.63	4.58	5.69	7.01	8.56	-				
OP-LPOM168LL	114X3486	P02	A1	E	27	5.43	6.86	8.58	10.55	12.85	15.46	-	-	1.82	40	47
					32	5.01	6.34	7.93	9.75	11.89	14.32	-				
					38	4.48	5.68	7.11	8.75	10.68	12.89	-				
					43	4.03	5.11	6.40	7.88	9.63	11.64	-				

LBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R404A/R507 LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C				
OP-LPVM016DP	114X3110	P00	A1 + A2L	G	27	0.38	0.54	0.71	0.91	1.12	1.35	1.60	1.02	-	10	31
					32	0.34	0.48	0.64	0.82	1.02	1.23	1.47				
					38	0.29	0.41	0.55	0.71	0.89	1.09	1.31				
					43	0.25	0.36	0.48	0.63	0.79	0.97	1.18				
OP-LPQM017DP	114X3118	P00	A1	G	27	-	0.54	0.71	0.91	1.12	1.35	-	1.08	-	10	29
					32	-	0.48	0.64	0.82	1.02	1.23	-				
					38	-	0.41	0.55	0.71	0.89	1.09	-				
					43	-	0.36	0.48	0.63	0.79	0.97	-				
OP-LPVM026DS	114X3201	P00	A1 + A2L	G	27	0.48	0.70	0.94	1.22	1.52	1.86	2.22	0.97	-	10	37
					32	0.43	0.63	0.86	1.12	1.40	1.72	2.06				
					38	0.38	0.56	0.76	1.00	1.26	1.55	1.87				
					43	0.35	0.50	0.68	0.90	1.14	1.41	1.71				
OP-LPQM026AJ	114X3216	P00	A1	G	27	0.53	0.74	0.98	1.28	1.62	2.00	-	1.02	-	16	36
					32	0.46	0.65	0.88	1.15	1.46	1.82	-				
					38	0.37	0.54	0.75	0.99	1.27	1.60	-				
					43	-	0.46	0.64	0.86	1.12	1.41	-				
OP-LPVM034DS	114X3202	P00	A1 + A2L	G	27	0.66	0.96	1.30	1.68	2.09	2.54	3.03	1.03	-	10	37
					32	0.60	0.87	1.19	1.54	1.92	2.35	2.81				
					38	0.53	0.77	1.05	1.371	1.72	2.12	2.55				
					43	0.47	0.68	0.94	1.23	1.55	1.92	2.32				
OP-LPQM048NT	114X3225	P00	A1	G	27	0.79	1.15	1.59	2.11	2.71	3.38	-	1.04	-	10	38
					32	0.67	1.00	1.40	1.88	2.43	3.05	-				
					38	0.52	0.82	1.18	1.60	2.09	2.65	-				
					43	0.40	0.67	0.99	1.37	1.81	-	-				
OP-LPVM048NT	114X3204	P00	A1+A2L	G	27	0.79	1.15	1.59	2.11	2.71	3.38	-	1.04	-	10	38
					32	0.67	1	1.4	1.88	2.43	3.05	-				
					38	0.52	0.82	1.18	1.6	2.09	2.65	-				
					43	0.4	0.67	0.99	1.37	1.81	-	-				
OP-LPQM048NT	114X3233	P00	A1	E	27	0.80	1.16	1.59	2.10	2.67	3.32	-	1.16	-	10	38
					32	0.68	1.02	1.41	1.87	2.40	2.99	-				
					38	0.55	0.85	1.20	1.60	2.07	2.60	-				
					43	0.44	0.70	1.02	1.38	1.80	-	-				
OP-LPVM048NT	114X3205	P00	A1+A2L	E	27	0.8	1.16	1.59	2.1	2.67	3.32	-	1.16	-	10	38
					32	0.68	1.02	1.41	1.87	2.4	2.99	-				
					38	0.55	0.85	1.2	1.6	2.07	2.6	-				
					43	0.44	0.7	1.02	1.38	1.8	-	-				
OP-LPQM068NT	114X3241	P00	A1	G	27	1.35	1.82	2.37	3.02	3.76	4.59	-	1.10	-	25	39
					32	1.21	1.63	2.13	2.72	3.39	4.13	-				
					38	1.04	1.41	1.85	2.36	2.94	3.60	-				
					43	0.90	1.23	1.62	2.07	2.58	-	-				
OP-LPQM068NT	114X3249	P00	A1	E	27	1.38	1.88	2.46	3.13	3.88	4.70	-	1.20	-	16	39
					32	1.19	1.65	2.18	2.79	3.48	4.23	-				
					38	0.99	1.39	1.87	2.40	3.01	3.69	-				
					43	0.83	1.20	1.62	2.10	2.64	-	-				
OP-LPVM068NT	114X3207	P00	A1+A2L	E	27	1.38	1.88	2.46	3.13	3.88	4.7	-	1.2	-	16	39
					32	1.19	1.65	2.18	2.79	3.48	4.23	-				
					38	0.99	1.39	1.87	2.4	3.01	3.69	-				
					43	0.83	1.2	1.62	2.1	2.64	-	-				

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LBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R404A/R507 LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C				
OP-LSQM068FH	114X3253	P00	A1	E	27	1.32	1.86	2.52	3.28	4.16	5.14	-	1.13	-	10	38
					32	1.10	1.60	2.21	2.92	3.72	4.63	-				
					38	0.85	1.31	1.85	2.48	3.20	4.01	-				
					43	0.66	1.07	1.56	2.13	2.78	3.51	-				
OP-LSQM068FH	114X3252	P00	A1	G	27	1.42	2.01	2.72	3.53	4.46	5.51	-	1.15	-	10	38
					32	1.19	1.73	2.38	3.14	3.99	4.96	-				
					38	0.92	1.41	1.99	2.67	3.43	4.30	-				
					43	0.71	1.15	1.68	2.28	2.97	3.76	-				
OP-LPOM067LL	114X3371	P02	A1	E	27	2.23	2.85	3.57	4.42	5.40	6.52	-	-	1.69	16	40
					32	2.04	2.62	3.30	4.09	5.00	6.04	-				
					38	1.80	2.34	2.96	3.67	4.49	5.43	-				
					43	1.60	2.09	2.65	3.30	4.05	4.90	-				
OP-LPOM084LL	114X3372	P02	A1	E	27	2.68	3.40	4.27	5.30	6.49	7.85	-	-	1.71	20	42
					32	2.46	3.13	3.94	4.88	5.98	7.23	-				
					38	2.19	2.80	3.52	4.36	5.34	6.46	-				
					43	1.95	2.50	3.15	3.91	4.79	5.79	-				
OP-LPOM098LL	114X3373	P02	A1	E	27	3.11	3.95	4.95	6.12	7.47	9.00	-	-	1.75	20	43
					32	2.86	3.64	4.56	5.64	6.87	8.28	-				
					38	2.54	3.24	4.07	5.02	6.12	7.37	-				
					43	2.26	2.89	3.63	4.49	5.48	6.59	-				
OP-LPOM120LL	114X3485	P02	A1	E	27	3.90	4.93	6.14	7.56	9.16	10.96	-	-	1.65	32	47
					32	3.57	4.52	5.64	6.93	8.39	10.04	-				
					38	3.16	4.01	5.01	6.15	7.44	8.88	-				
					43	2.80	3.57	4.45	5.47	6.61	7.89	-				
OP-LPOM168LL	114X3486	P02	A1	E	27	5.20	6.48	7.96	9.634	11.49	13.52	-	-	1.68	40	47
					32	4.70	5.88	7.22	8.73	10.39	12.21	-				
					38	4.05	5.10	6.27	7.58	9.01	10.57	-				
					43	3.45	4.39	5.42	6.55	7.78	9.13	-				

LBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R448A/R449A LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)						EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]						COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C				
OP-LPOM067LL	114X3371	P02	A1	E	27	2.09	2.75	3.52	4.43	5.48	6.67	-	1.60	16	40
					32	1.98	2.59	3.31	4.15	5.13	6.24	-			
					38	1.85	2.40	3.05	3.81	4.70	5.71	-			
					43	1.76	2.25	2.83	3.52	4.33	5.26	-			
OP-LPOM084LL	114X3372	P02	A1	E	27	2.61	3.46	4.44	5.56	6.86	8.32	-	1.64	20	42
					32	2.46	3.26	4.18	5.23	6.44	7.80	-			
					38	2.28	3.02	3.86	4.82	5.93	7.17	-			
					43	2.14	2.82	3.59	4.47	5.49	6.63	-			
OP-LPOM098LL	114X3373	P02	A1	E	27	3.12	4.09	5.22	6.52	8.05	9.77	-	1.75	20	43
					32	2.95	3.86	4.91	6.14	7.57	9.18	-			
					38	2.74	3.58	4.55	5.67	6.98	8.46	-			
					43	2.56	3.34	4.23	5.27	6.48	7.85	-			
OP-LPOM120LL	114X3485	P02	A1	E	27	3.89	5.00	6.29	7.81	9.60	11.64	-	1.65	32	47
					32	3.67	4.71	5.91	7.32	8.99	10.88	-			
					38	3.39	4.34	5.44	6.72	8.23	9.95	-			
					43	3.13	4.01	5.02	6.20	7.58	9.15	-			
OP-LPOM168LL	114X3486	P02	A1	E	27	5.53	7.06	8.84	10.91	13.33	16.04	-	1.81	40	47
					32	5.23	6.65	8.31	10.23	12.48	15.00	-			
					38	4.85	6.14	7.64	9.38	11.41	13.71	-			
					43	4.52	5.70	7.06	8.64	10.49	12.59	-			

LBP

- (1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
- E** - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
- (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
- (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R455A LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)						EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)	
						Evaporating Temperature (Mid point) [°C]						COP	SEPR			
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C					-10°C
OP-LPVM016DP	114X3110	P00	A1 + A2L	G	27	0.37	0.5	0.64	0.8	0.97	1.16	1.36	0.93	-	10	31
					32	0.33	0.44	0.57	0.72	0.88	1.06	1.25				
					38	0.27	0.37	0.49	0.62	0.77	0.93	1.11				
					43	0.23	0.32	0.42	0.54	0.68	0.83	1.00				
OP-LPVM026DS	114X3201	P00	A1 + A2L	G	27	0.47	0.67	0.9	1.17	1.46	1.77	2.12	0.95	-	10	37
					32	0.42	0.6	0.82	1.07	1.34	1.64	1.97				
					38	0.36	0.53	0.72	0.95	1.2	1.48	1.79				
					43	0.32	0.47	0.64	0.85	1.09	1.35	1.65				
OP-LPVM048NT	114X3204	P00	A1 + A2L	G	27	-	1.01	1.37	1.77	2.20	2.68	3.15	0.91	-	10	38
					32	-	0.89	1.21	1.57	1.96	2.40	2.83				
					38	-	0.74	1.02	1.34	1.69	2.07	2.46				
					43	-	-	0.87	1.16	1.46	1.81	2.15				
OP-LPVM034DS	114X3202	P00	A1 + A2L	G	27	0.73	1.03	1.39	1.78	2.21	2.67	3.18	1	-	16	37
					32	0.65	0.93	1.26	1.62	2.03	2.47	2.95				
					38	0.57	0.82	1.11	1.44	1.82	2.23	2.68				
					43	0.50	0.72	0.99	1.3	1.65	2.03	2.46				
OP-LPVM048NT	114X3205	P00	A1 + A2L	E	27	-	1.05	1.42	1.85	2.35	2.89	3.45	0.97	-	10	38
					32	-	0.93	1.27	1.66	2.10	2.60	3.11				
					38	-	0.78	1.08	1.42	1.82	2.25	2.70				
					43	-	0.66	0.93	1.23	1.58	1.97	2.37				
OP-LPVM068NT	114X3207	P00	A1 + A2L	E	27	-	1.66	2.15	2.69	3.27	3.85	4.47	0.99	-	16	39
					32	-	1.50	1.95	2.44	2.95	3.48	4.03				
					38	-	-	1.70	2.13	2.58	3.03	3.50				
					43	-	-	1.49	1.88	2.28	2.66	3.06				

LBP

- (1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
- E** - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
- (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
- (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R454C LBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)								EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]								COP	SEPR		
						-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C					
OP-LPVM016DP	114X3110	P00	A1 + A2L	G	27	0.27	0.4	0.54	0.69	0.86	1.05	1.25	0.87	-	10	31	
					32	0.24	0.35	0.48	0.62	0.78	0.96	1.14					
					38	0.2	0.3	0.41	0.54	0.68	0.85	1.02					
					43	0.17	0.25	0.35	0.47	0.6	0.75	0.92					
OP-LPVM026DS	114X3201	P00	A1 + A2L	G	27	0.39	0.57	0.78	1.02	1.28	1.58	1.91	0.87	-	10	37	
					32	0.35	0.52	0.71	0.93	1.18	1.47	1.78					
					38	0.31	0.45	0.63	0.83	1.06	1.33	1.62					
					43	0.27	0.4	0.56	0.75	0.96	1.21	1.49					
OP-LPVM034DS	114X3202	P00	A1 + A2L	G	27	0.63	0.91	1.24	1.61	2.03	2.48	2.98	0.96	-	10	37	
					32	0.57	0.82	1.13	1.47	1.86	2.3	2.77					
					38	0.50	0.72	1	1.31	1.67	2.08	2.52					
					43	0.44	0.64	0.89	1.18	1.51	1.89	2.31					
OP-LPVM048NT	114X3205	P00	A1 + A2L	E	27	-	0.85	1.17	1.56	2.00	2.51	3.06	0.89	-	10	38	
					32	-	0.76	1.05	1.39	1.79	2.26	2.77					
					38	-	0.64	0.90	1.20	1.56	1.97	2.42					
					43	-	0.00	0.78	1.05	1.37	1.73	2.14					
OP-LPVM048NT	114X3204	P00	A1 + A2L	G	27	-	0.91	1.25	1.65	2.11	2.63	3.20	0.91	-	10	38	
					32	-	0.80	1.11	1.47	1.90	2.37	2.91					
					38	-	0.00	0.95	1.27	1.65	2.08	2.55					
					43	-	0.00	0.82	1.11	1.45	1.84	2.27					
OP-LPVM068NT	114X3207	P00	A1 + A2L	E	27	-	1.35	1.81	2.35	2.96	3.63	4.34	0.88	-	16	39	
					32	-	1.21	1.63	2.12	2.67	3.28	3.92					
					38	-	1.03	1.41	1.85	2.34	2.87	3.43					
					43	-	0.00	1.23	1.62	2.05	2.53	3.02					

LBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K (NTZ comp models with 10K superheat)

Optyma™ Plus - Performance data R134a MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)								EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]								COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C					
OP-MPSM026CS	114X4243	P00	A1 + A2L	G	27	1.12	1.43	1.79	2.17	2.59	3.04	3.52	1.99	-	10	37	
					32	1.01	1.31	1.65	2.02	2.42	2.86	3.33					
					38	0.88	1.16	1.48	1.83	2.22	2.64	3.09					
					43	0.78	1.04	1.34	1.67	2.04	2.45	2.89					
OP-MPSM030CS	114X4244	P00	A1 + A2L	G	27	1.28	1.65	2.07	2.53	3.03	3.56	4.13	1.89	-	10	37	
					32	1.16	1.51	1.91	2.35	2.83	3.34	3.9					
					38	1.02	1.35	1.72	2.13	2.59	3.09	3.62					
					43	0.9	1.21	1.56	1.95	2.39	2.87	3.39					
OP-MPGM033AJ	114X4220	P00	A1	G	27	1.44	1.83	2.28	2.78	3.35	3.98	4.67	2.05	-	16	36	
					32	1.32	1.69	2.12	2.6	3.13	3.73	4.39					
					38	1.18	1.53	1.92	2.37	2.87	3.43	4.04					
					43	1.05	1.38	1.76	2.18	2.64	3.17	3.74					
OP-MPXM034ML	114X4264	P00	A1	E	27	1.81	2.28	2.83	3.46	4.18	5	5.9	2.25	-	16	37	
					32	1.71	2.16	2.68	3.29	3.98	4.76	5.63					
					38	1.59	2.01	2.5	3.07	3.72	4.46	5.29					
					43	1.49	1.88	2.34	2.88	3.5	4.2	4.99					
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	1.81	2.28	2.83	3.46	4.18	5	5.9	2.25	-	16	37	
					32	1.71	2.16	2.68	3.29	3.98	4.76	5.63					
					38	1.59	2.01	2.5	3.07	3.72	4.46	5.29					
					43	1.49	1.88	2.34	2.88	3.5	4.2	4.99					
OP-MPXM034ML	114X4261	P00	A1	G	27	1.82	2.32	2.88	3.51	4.21	5	5.87	2.17	-	25	37	
					32	1.71	2.18	2.73	3.33	4.02	4.78	5.63					
					38	1.58	2.02	2.53	3.11	3.77	4.5	5.32					
					43	1.47	1.89	2.36	2.91	3.54	4.25	5.04					
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	1.82	2.32	2.88	3.51	4.21	5	5.87	2.17	-	25	37	
					32	1.71	2.18	2.73	3.33	4.02	4.78	5.63					
					38	1.58	2.02	2.53	3.11	3.77	4.5	5.32					
					43	1.47	1.89	2.36	2.91	3.54	4.25	5.04					
OP-MPXM046ML	114X4284	P00	A1	E	27	2.47	3.09	3.81	4.66	5.61	6.69	7.87	2.33	-	20	37	
					32	2.33	2.92	3.61	4.41	5.33	6.35	7.49					
					38	2.16	2.71	3.36	4.11	4.97	5.94	7.01					
					43	2.02	2.53	3.14	3.86	4.67	5.59	6.6					
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	2.47	3.09	3.81	4.66	5.61	6.69	7.87	2.33	-	20	37	
					32	2.33	2.92	3.61	4.41	5.33	6.35	7.49					
					38	2.16	2.71	3.36	4.11	4.97	5.94	7.01					
					43	2.02	2.53	3.14	3.86	4.67	5.59	6.6					
OP-MPXM046ML	114X4281	P00	A1	G	27	2.46	3.11	3.85	4.69	5.62	6.66	7.81	2.07	-	40	37	
					32	2.31	2.93	3.64	4.44	5.35	6.35	7.47					
					38	2.14	2.71	3.37	4.13	4.99	5.95	7.03					
					43	2	2.52	3.14	3.85	4.67	5.6	6.63					
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	2.46	3.11	3.85	4.69	5.62	6.66	7.81	2.07	-	40	37	
					32	2.31	2.93	3.64	4.44	5.35	6.35	7.47					
					38	2.14	2.71	3.37	4.13	4.99	5.95	7.03					
					43	2	2.52	3.14	3.85	4.67	5.6	6.63					
OP-MPXM057ML	114X4293	P00	A1	E	27	2.98	3.74	4.62	5.63	6.76	8.02	9.4	2.28	-	20	37	
					32	2.81	3.53	4.37	5.33	6.4	7.61	8.93					
					38	2.59	3.27	4.06	4.95	5.97	7.1	8.34					
					43	2.41	3.05	3.79	4.64	5.59	6.66	7.84					

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MBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R134a MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	2.98	3.74	4.62	5.63	6.76	8.02	9.4	2.28	-	20	37
					32	2.81	3.53	4.37	5.33	6.4	7.61	8.93				
					38	2.59	3.27	4.06	4.95	5.97	7.1	8.34				
					43	2.41	3.05	3.79	4.64	5.59	6.66	7.84				
OP-MPXM057ML	114X4290	P00	A1	G	27	2.98	3.76	4.64	5.64	6.76	7.99	9.34	1.9	-	40	37
					32	2.8	3.54	4.38	5.33	6.4	7.59	8.9				
					38	2.6	3.27	4.05	4.94	5.95	7.08	8.33				
					43	2.44	3.04	3.77	4.6	5.56	6.63	7.83				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	2.98	3.76	4.64	5.64	6.76	7.99	9.34	1.9	-	40	37
					32	2.8	3.54	4.38	5.33	6.4	7.59	8.9				
					38	2.6	3.27	4.05	4.94	5.95	7.08	8.33				
					43	2.44	3.04	3.77	4.6	5.56	6.63	7.83				
OP-MPXM068ML	114X4311	P00	A1	E	27	3.68	4.63	5.73	7.01	8.47	10.1	11.92	2.37	-	20	38
					32	3.48	4.38	5.43	6.65	8.04	9.61	11.36				
					38	3.24	4.07	5.06	6.21	7.52	9	10.66				
					43	3.03	3.82	4.74	5.83	7.07	8.48	10.05				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	3.68	4.63	5.73	7.01	8.47	10.1	11.92	2.37	-	20	38
					32	3.48	4.38	5.43	6.65	8.04	9.61	11.36				
					38	3.24	4.07	5.06	6.21	7.52	9.00	10.66				
					43	3.03	3.82	4.74	5.83	7.07	8.48	10.05				
OP-MPXM068ML	114X4308	P00	A1	G	27	3.78	4.65	5.75	7.03	8.47	10.03	11.69	2.08	-	50	38
					32	3.64	4.42	5.44	6.67	8.05	9.58	11.21				
					38	3.47	4.14	5.07	6.21	7.53	9	10.59				
					43	3.35	3.91	4.75	5.81	7.07	8.48	10.03				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	3.78	4.65	5.75	7.03	8.47	10.03	11.69	2.08	-	50	38
					32	3.64	4.42	5.44	6.67	8.05	9.58	11.21				
					38	3.47	4.14	5.07	6.21	7.53	9	10.59				
					43	3.35	3.91	4.75	5.81	7.07	8.48	10.03				
OP-MPXM080ML	114X4324	P00	A1	E	27	4.28	5.38	6.66	8.12	9.78	11.63	13.67	-	3.43	20	38
					32	4.02	5.08	6.3	7.7	9.28	11.05	13				
					38	3.71	4.71	5.86	7.17	8.66	10.33	12.17				
					43	3.45	4.39	5.48	6.72	8.13	9.7	11.46				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	4.28	5.38	6.66	8.12	9.78	11.63	13.67	-	3.43	20	38
					32	4.02	5.08	6.3	7.7	9.28	11.05	13				
					38	3.71	4.71	5.86	7.17	8.66	10.33	12.17				
					43	3.45	4.39	5.48	6.72	8.13	9.7	11.46				
OP-MPXM080ML	114X4321	P00	A1	G	27	4.25	5.46	6.78	8.23	9.82	11.58	13.52	-	3.03	50	38
					32	3.95	5.13	6.41	7.8	9.33	11.03	12.89				
					38	3.56	4.70	5.92	7.25	8.71	10.33	12.11				
					43	3.22	4.32	5.5	6.77	8.17	9.721	11.43				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	4.25	5.46	6.78	8.23	9.82	11.58	13.52	-	3.03	50	38
					32	3.95	5.13	6.41	7.8	9.33	11.03	12.89				
					38	3.56	4.70	5.92	7.25	8.71	10.33	12.11				
					43	3.22	4.32	5.5	6.77	8.17	9.721	11.43				
OP-MPXM108ML	114X4344	P00	A1	E	27	5.63	7.05	8.7	10.6	12.72	15.06	17.59	-	3.74	20	44
					32	5.29	6.64	8.22	10.03	12.06	14.3	16.73				
					38	4.88	6.14	7.62	9.32	11.24	13.35	15.65				
					43	4.54	5.71	7.1	8.7	10.52	12.52	14.71				

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MBP

(1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R134a MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	5.63	7.05	8.7	10.6	12.72	15.06	17.59	-	3.74	20	44
					32	5.29	6.64	8.22	10.03	12.06	14.3	16.73				
					38	4.88	6.14	7.62	9.32	11.24	13.35	15.65				
					43	4.54	5.71	7.1	8.7	10.52	12.52	14.71				
OP-MPXM125ML	114X4414	P00	A1	E	27	6.77	8.47	10.42	12.63	15.11	17.86	20.91	-	3.4	32	46
					32	6.34	7.97	9.84	11.96	14.33	16.96	19.87				
					38	5.81	7.36	9.13	11.13	13.36	15.85	18.6				
					43	5.36	6.84	8.51	10.41	12.54	14.9	17.52				
OP-MPXM162ML	114X4434	P00	A1	E	27	8.69	10.88	13.39	16.23	19.42	22.94	26.82	-	3.46	40	46
					32	8.16	10.25	12.64	15.35	18.4	21.78	25.51				
					38	7.54	9.47	11.71	14.26	17.14	20.34	23.87				
					43	7.03	8.83	10.93	13.33	16.05	19.09	22.45				

MBP

(1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R513A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPSM026CS	114X4243	P00	A1 + A2L	G	27	1.16	1.50	1.87	2.28	2.73	3.22	3.74	2.02	-	10	37
					32	1.05	1.36	1.72	2.12	2.55	3.02	3.53				
					38	0.91	1.21	1.54	1.92	2.33	2.78	3.28				
					43	0.8	1.08	1.39	1.75	2.15	2.59	3.07				
OP-MPSM030CS	114X4244	P00	A1 + A2L	G	27	1.33	1.72	2.16	2.65	3.18	3.76	4.38	1.89	-	10	37
					32	1.2	1.57	1.99	2.46	2.97	3.53	4.13				
					38	1.05	1.40	1.79	2.23	2.72	3.26	3.84				
					43	0.92	1.25	1.62	2.04	2.51	3.03	3.6				
OP-MPGM033AJ	114X4220	P00	A1	G	27	1.51	1.90	2.35	2.85	3.42	4.04	4.72	2.03	-	16	36
					32	1.38	1.75	2.17	2.64	3.17	3.75	4.39				
					38	1.23	1.57	1.95	2.39	2.87	3.41	4				
					43	1.09	1.41	1.77	2.17	2.62	3.12	3.67				
OP-MPXM034ML	114X4261	P00	A1	G	27	1.91	2.37	2.92	3.57	4.31	5.17	6.14	2.23	-	25	37
					32	1.8	2.23	2.75	3.36	4.07	4.88	5.8				
					38	1.65	2.06	2.54	3.11	3.77	4.52	5.38				
					43	1.53	1.91	2.37	2.89	3.51	4.22	5.02				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	1.91	2.37	2.92	3.57	4.31	5.17	6.14	2.23	-	25	37
					32	1.8	2.23	2.75	3.36	4.07	4.88	5.8				
					38	1.65	2.06	2.54	3.11	3.77	4.52	5.38				
					43	1.53	1.91	2.37	2.89	3.51	4.22	5.02				
OP-MPXM034ML	114X4264	P00	A1	E	27	1.94	2.40	2.95	3.59	4.34	5.18	6.14	2.29	-	16	37
					32	1.81	2.25	2.77	3.38	4.09	4.9	5.81				
					38	1.66	2.07	2.56	3.13	3.78	4.54	5.4				
					43	1.53	1.92	2.37	2.91	3.52	4.24	5.05				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	1.94	2.40	2.95	3.59	4.34	5.18	6.14	2.29	-	16	37
					32	1.81	2.25	2.77	3.38	4.09	4.9	5.81				
					38	1.66	2.07	2.56	3.13	3.78	4.54	5.4				
					43	1.53	1.92	2.37	2.91	3.52	4.24	5.05				
OP-MPXM046ML	114X4281	P00	A1	G	27	2.55	3.17	3.89	4.72	5.67	6.75	7.95	2.02	-	40	37
					32	2.39	2.98	3.66	4.46	5.36	6.38	7.53				
					38	2.19	2.74	3.38	4.12	4.97	5.93	7.01				
					43	2.02	2.54	3.14	3.84	4.64	5.54	6.56				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	2.55	3.17	3.89	4.72	5.67	6.75	7.95	2.02	-	40	37
					32	2.39	2.98	3.66	4.46	5.36	6.38	7.53				
					38	2.19	2.74	3.38	4.12	4.97	5.93	7.01				
					43	2.02	2.54	3.14	3.84	4.64	5.54	6.56				
OP-MPXM046ML	114X4284	P00	A1	E	27	2.62	3.24	3.97	4.81	5.76	6.84	8.03	2.37	-	20	37
					32	2.44	3.04	3.73	4.53	5.43	6.46	7.6				
					38	2.22	2.78	3.43	4.18	5.03	5.99	7.06				
					43	2.04	2.56	3.17	3.87	4.67	5.58	6.6				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	2.62	3.24	3.97	4.81	5.76	6.84	8.03	2.37	-	20	37
					32	2.44	3.04	3.73	4.53	5.43	6.46	7.6				
					38	2.22	2.78	3.43	4.18	5.03	5.99	7.06				
					43	2.04	2.56	3.17	3.87	4.67	5.58	6.6				
OP-MPXM057ML	114X4290	P00	A1	G	27	3.14	3.88	4.75	5.73	6.85	8.1	9.47	2.11	-	40	37
					32	2.93	3.65	4.47	5.4	6.46	7.64	8.94				
					38	2.68	3.35	4.12	4.99	5.98	7.08	8.29				
					43	2.47	3.10	3.82	4.64	5.56	6.59	7.74				

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MBP

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

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

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R513A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	3.14	3.88	4.75	5.73	6.85	8.1	9.47	2.11	-	40	37
					32	2.93	3.65	4.47	5.4	6.46	7.64	8.94				
					38	2.68	3.35	4.12	4.99	5.98	7.08	8.29				
					43	2.47	3.10	3.82	4.64	5.56	6.59	7.74				
OP-MPXM057ML	114X4293	P00	A1	E	27	3.19	3.95	4.83	5.83	6.95	8.2	9.57	2.37	-	20	37
					32	2.96	3.69	4.53	5.48	6.55	7.74	9.05				
					38	2.68	3.37	4.15	5.04	6.05	7.17	8.4				
					43	2.44	3.09	3.83	4.67	5.61	6.67	7.84				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	3.19	3.95	4.83	5.83	6.95	8.2	9.57	2.37	-	20	37
					32	2.96	3.69	4.53	5.48	6.55	7.74	9.05				
					38	2.68	3.37	4.15	5.04	6.05	7.17	8.4				
					43	2.44	3.09	3.83	4.67	5.61	6.67	7.84				
OP-MPXM068ML	114X4308	P00	A1	G	27	3.93	4.84	5.92	7.17	8.6	10.24	12.07	2.31	-	50	38
					32	3.68	4.55	5.57	6.76	8.13	9.69	11.44				
					38	3.36	4.18	5.14	6.25	7.54	9	10.66				
					43	3.09	3.86	4.76	5.81	7.03	8.41	9.98				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	3.93	4.84	5.92	7.17	8.6	10.24	12.07	2.31	-	50	38
					32	3.68	4.55	5.57	6.76	8.13	9.69	11.44				
					38	3.36	4.18	5.14	6.25	7.54	9	10.66				
					43	3.09	3.86	4.76	5.81	7.03	8.41	9.98				
OP-MPXM068ML	114X4311	P00	A1	E	27	3.99	4.92	6.03	7.31	8.79	10.4	12.36	2.52	-	20	38
					32	3.74	4.64	5.69	6.91	8.32	9.92	11.72				
					38	3.43	4.27	5.26	6.4	7.72	9.22	10.91				
					43	3.17	3.96	4.89	5.96	7.2	8.61	10.22				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	3.99	4.92	6.03	7.31	8.79	10.4	12.36	2.52	-	20	38
					32	3.74	4.64	5.69	6.91	8.32	9.92	11.72				
					38	3.43	4.27	5.26	6.4	7.72	9.22	10.91				
					43	3.17	3.96	4.89	5.96	7.2	8.61	10.22				
OP-MPXM080ML	114X4321	P00	A1	G	27	4.59	5.67	6.95	8.43	10.13	12.04	14.17	-	3.24	50	38
					32	4.3	5.34	6.55	7.96	9.56	11.38	13.41				
					38	3.95	4.92	6.05	7.37	8.86	10.57	12.48				
					43	3.64	4.56	5.62	6.85	8.26	9.86	11.67				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	4.59	5.67	6.95	8.43	10.13	12.04	14.17	-	3.24	50	38
					32	4.3	5.34	6.55	7.96	9.56	11.38	13.41				
					38	3.95	4.92	6.05	7.37	8.86	10.57	12.48				
					43	3.64	4.56	5.62	6.85	8.26	9.86	11.67				
OP-MPXM080ML	114X4324	P00	A1	E	27	4.66	5.75	7.02	8.49	10.17	12.07	14.2	-	3.89	20	38
					32	4.38	5.41	6.61	8	9.6	11.4	13.41				
					38	4.01	4.97	6.09	7.39	8.88	10.56	12.45				
					43	3.69	4.60	5.65	6.87	8.26	9.85	11.63				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	4.66	5.75	7.02	8.49	10.17	12.07	14.2	-	3.89	20	38
					32	4.38	5.41	6.61	8	9.6	11.4	13.41				
					38	4.01	4.97	6.09	7.39	8.88	10.56	12.45				
					43	3.69	4.60	5.65	6.87	8.26	9.85	11.63				
OP-MPXM108ML	114X4344	P00	A1	E	27	6.07	7.49	9.13	11.02	13.16	15.56	18.22	-	3.84	20	44
					32	5.65	7.00	8.56	10.36	12.39	14.67	17.2				
					38	5.12	6.39	7.86	9.53	11.43	13.57	15.96				
					43	4.68	5.87	7.25	8.82	10.61	12.63	14.88				

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MBP

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

E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/5

Optyma™ Plus - Performance data R513A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	6.07	7.49	9.13	11.02	13.16	15.56	18.22	-	3.84	20	44
					32	5.65	7.00	8.56	10.36	12.39	14.67	17.2				
					38	5.12	6.39	7.86	9.53	11.43	13.57	15.96				
					43	4.68	5.87	7.25	8.82	10.61	12.63	14.88				
OP-MPXM125ML	114X4414	P00	A1	E	27	7.28	9.00	11.02	13.34	15.98	18.96	22.29	-	3.73	32	46
					32	6.8	8.45	10.37	12.57	15.09	17.92	21.1				
					38	6.2	7.75	9.55	11.61	13.97	16.63	19.62				
					43	5.69	7.15	8.84	10.78	13	15.51	18.35				
OP-MPXM162ML	114X4434	P00	A1	E	27	8.9	11.06	13.55	16.39	19.61	23.19	27.16	-	3.23	40	46
					32	8.27	10.32	12.68	15.38	18.42	21.82	25.59				
					38	7.5	9.41	11.62	14.13	16.96	20.13	23.66				
					43	6.84	8.64	10.71	13.06	15.71	18.69	22.03				

MBP

(1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R1234yf MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C				
OP-MPSM026CS	114X4243	P00	A1 + A2L	G	27	1.09	1.40	1.76	2.15	2.57	3.04	3.53	1.94	-	10	37
					32	0.98	1.28	1.61	1.99	2.40	2.85	3.33				
					38	0.85	1.13	1.44	1.80	2.19	2.62	3.10				
					43	0.74	1.00	1.30	1.64	2.02	2.43	2.90				
OP-MPSM030CS	114X4244	P00	A1 + A2L	G	27	1.24	1.61	2.03	2.48	2.99	3.53	4.12	1.83	-	10	37
					32	1.12	1.47	1.86	2.30	2.79	3.31	3.89				
					38	0.97	1.30	1.67	2.08	2.54	3.05	3.61				
					43	0.86	1.16	1.51	1.90	2.34	2.84	3.38				

MBP

(1) **G** - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R448A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)								EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]								COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C					
OP-MPOM026AJ	114X4213	P00	A1	E	27	1.29	1.73	2.23	2.81	3.49	4.26	5.14	1.97	-	10	36	
					32	1.16	1.57	2.04	2.59	3.23	3.96	4.78					
					38	-	1.38	1.82	2.33	2.91	3.59	4.35					
					43	-	1.23	1.63	2.1	2.65	3.28	4					
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	-	2.21	2.70	3.22	3.77	4.33	4.91	1.83	-	10	38	
					32	-	1.95	2.40	2.87	3.37	3.89	4.44					
					38	-	1.64	2.03	2.45	2.9	3.37	3.88					
					43	-	1.38	1.73	2.11	2.51	2.94	3.41					
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	-	2.23	2.73	3.26	3.8	4.38	4.96	1.79	-	10	38	
					32	-	1.97	2.42	2.9	3.4	3.93	4.49					
					38	-	1.65	2.05	2.48	2.93	3.41	3.92					
					43	-	1.4	1.75	2.13	2.54	2.97	3.44					
OP-MPOM034AJ	114X4227	P00	A1	E	27	1.65	2.17	2.77	3.47	4.27	5.17	6.19	1.94	-	10	36	
					32	1.51	1.99	2.56	3.21	3.96	4.81	5.76					
					38	-	1.78	2.30	2.9	3.59	4.37	5.26					
					43	-	1.59	2.08	2.64	3.28	4.01	4.84					
OP-MPOM034AJ	114X4226	P00	A1	G	27	1.65	2.18	2.80	3.52	4.34	5.26	6.3	1.86	-	20	36	
					32	1.49	2	2.58	3.25	4.01	4.88	5.86					
					38	-	1.77	2.31	2.92	3.63	4.43	5.33					
					43	-	1.58	2.08	2.65	3.3	4.05	4.88					
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	-	2.24	2.91	3.66	4.5	5.43	6.43	1.79	-	10	38	
					32	-	2.01	2.63	3.34	4.12	5	5.95					
					38	-	1.72	2.29	2.94	3.67	4.48	5.37					
					43	-	1.47	2.00	2.61	3.28	4.05	4.88					
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	-	2.27	2.94	3.7	4.54	5.48	6.49	1.75	-	10	38	
					32	-	2.03	2.66	3.37	4.17	5.05	6.01					
					38	-	1.74	2.31	2.97	3.71	4.53	5.43					
					43	-	1.49	2.02	2.63	3.32	4.09	4.93					
OP-MPXM034ML	114X4264	P00	A1	E	27	2.59	3.21	3.90	4.7	5.58	6.58	-	2.29	-	16	37	
					32	2.4	2.99	3.64	4.39	5.23	6.17	-					
					38	2.17	2.7	3.31	4.01	4.79	5.67	-					
					43	-	2.46	3.02	3.67	4.4	5.23	-					
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.59	3.21	3.90	4.7	5.58	6.58	-	2.29	-	16	37	
					32	2.4	2.99	3.64	4.39	5.23	6.17	-					
					38	2.17	2.7	3.31	4.01	4.79	5.67	-					
					43	-	2.46	3.02	3.67	4.4	5.23	-					
OP-MPXM034ML	114X4261	P00	A1	G	27	2.58	3.2	3.90	4.7	5.59	6.59	-	2.35	-	25	37	
					32	2.41	2.99	3.65	4.41	5.24	6.19	-					
					38	2.19	2.73	3.34	4.04	4.82	5.7	-					
					43	-	2.51	3.07	3.72	4.45	5.27	-					
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.58	3.2	3.90	4.7	5.59	6.59	-	2.35	-	25	37	
					32	2.41	2.99	3.65	4.41	5.24	6.19	-					
					38	2.19	2.73	3.34	4.04	4.82	5.7	-					
					43	-	2.51	3.07	3.72	4.45	5.27	-					
OP-MPXM046ML	114X4284	P00	A1	E	27	3.45	4.26	5.16	6.18	7.3	8.55	-	2.22	-	20	37	
					32	3.19	3.95	4.79	5.75	6.81	7.99	-					
					38	2.87	3.56	4.33	5.22	6.19	7.29	-					
					43	-	3.23	3.94	4.76	5.66	6.68	-					
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.45	4.26	5.16	6.18	7.3	8.55	-	2.22	-	20	37	
					32	3.19	3.95	4.79	5.75	6.81	7.99	-					
					38	2.87	3.56	4.33	5.22	6.19	7.29	-					
					43	-	3.23	3.94	4.76	5.66	6.68	-					

MBP This table continues on the next page

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
 E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
 (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
 (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R448A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)								EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]								COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C					
OP-MPXM046ML	114X4281	P00	A1	G	27	3.47	4.28	5.18	6.22	7.36	8.63	-	2.13	-	40	37	
					32	3.22	3.98	4.83	5.81	6.88	8.09	-					
					38	2.917	3.61	4.39	5.29	6.28	7.41	-					
					43	-	3.3	4.02	4.85	5.77	6.82	-					
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.47	4.28	5.18	6.22	7.36	8.63	-	2.13	-	40	37	
					32	3.22	3.98	4.83	5.81	6.88	8.09	-					
					38	2.917	3.61	4.39	5.29	6.28	7.41	-					
					43	-	3.3	4.02	4.85	5.77	6.82	-					
OP-MPXM057ML	114X4293	P00	A1	E	27	4.17	5.14	6.21	7.41	8.71	10.14	-	-	3.36	20	37	
					32	3.82	4.73	5.73	6.86	8.08	9.42	-					
					38	3.38	4.22	5.13	6.17	7.28	8.52	-					
					43	-	3.77	4.61	5.57	6.59	7.73	-					
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	4.17	5.14	6.21	7.41	8.71	10.14	-	-	3.36	20	37	
					32	3.82	4.73	5.73	6.86	8.08	9.42	-					
					38	3.38	4.22	5.13	6.17	7.28	8.52	-					
					43	-	3.77	4.61	5.57	6.59	7.73	-					
OP-MPXM057ML	114X4290	P00	A1	G	27	4.22	5.19	6.27	7.49	8.81	10.28	-	-	3.15	40	37	
					32	3.9	4.8	5.80	6.94	8.18	9.56	-					
					38	3.49	4.31	5.22	6.25	7.38	8.65	-					
					43	-	3.88	4.71	5.653	6.68	7.85	-					
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	4.22	5.19	6.27	7.49	8.81	10.28	-	-	3.15	40	37	
					32	3.9	4.8	5.80	6.94	8.18	9.56	-					
					38	3.49	4.31	5.22	6.25	7.38	8.65	-					
					43	-	3.88	4.71	5.653	6.68	7.85	-					
OP-MPXM068ML	114X4308	P00	A1	G	27	5.26	6.49	7.87	9.46	11.2	13.18	-	-	3.59	50	38	
					32	4.88	6.04	7.33	8.83	10.49	12.36	-					
					38	4.4	5.47	6.67	8.05	9.59	11.35	-					
					43	-	4.99	6.09	7.38	8.81	10.47	-					
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	5.26	6.49	7.87	9.46	11.2	13.18	-	-	3.59	50	38	
					32	4.88	6.04	7.33	8.83	10.49	12.36	-					
					38	4.4	5.47	6.67	8.05	9.59	11.35	-					
					43	-	4.99	6.09	7.38	8.81	10.47	-					
OP-MPXM068ML	114X4311	P00	A1	E	27	5.3	6.52	7.89	9.48	11.22	13.19	-	-	3.78	20	38	
					32	4.9	6.06	7.35	8.84	10.49	12.36	-					
					38	4.41	5.47	6.66	8.04	9.57	11.32	-					
					43	-	4.96	6.06	7.34	8.77	10.41	-					
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	5.3	6.52	7.89	9.48	11.22	13.19	-	-	3.78	20	38	
					32	4.9	6.06	7.35	8.84	10.49	12.36	-					
					38	4.41	5.47	6.66	8.04	9.57	11.32	-					
					43	-	4.96	6.06	7.34	8.77	10.41	-					
OP-MPXM080ML	114X4321	P00	A1	G	27	6.06	7.45	8.99	10.75	12.65	14.77	-	-	3.32	50	38	
					32	5.65	6.96	8.40	10.05	11.84	13.84	-					
					38	5.14	6.34	7.67	9.18	10.83	12.68	-					
					43	-	5.81	7.03	8.42	9.94	11.67	-					
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	6.06	7.45	8.99	10.75	12.65	14.77	-	-	3.32	50	38	
					32	5.65	6.96	8.40	10.05	11.84	13.84	-					
					38	5.14	6.34	7.67	9.18	10.83	12.68	-					
					43	-	5.81	7.03	8.42	9.94	11.67	-					
OP-MPXM080ML	114X4324	P00	A1	E	27	6.15	7.55	9.10	10.87	12.8	14.95	-	-	3.74	20	38	
					32	5.69	7	8.45	10.12	11.94	13.98	-					
					38	5.11	6.31	7.65	9.18	10.87	12.76	-					
					43	-	5.72	6.95	8.38	9.94	11.71	-					

MBP This table continues on the next page

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
 E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
 (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
 (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R448A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	6.15	7.55	9.10	10.87	12.8	14.95	-	-	3.74	20	38
					32	5.69	7.00	8.45	10.12	11.94	13.98	-				
					38	5.11	6.31	7.65	9.18	10.87	12.76	-				
					43	-	5.72	6.95	8.38	9.94	11.71	-				
OP-MPXM108ML	114X4344	P00	A1	E	27	8.02	9.85	11.88	14.19	16.69	19.49	-	-	3.55	20	44
					32	7.40	9.11	11.01	13.17	15.52	18.16	-				
					38	6.63	8.19	9.92	11.9	14.06	16.49	-				
					43	-	7.40	8.98	10.79	12.78	15.04	-				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	8.02	9.85	11.88	14.19	16.69	19.49	-	-	3.55	20	44
					32	7.40	9.11	11.01	13.17	15.52	18.16	-				
					38	6.63	8.19	9.92	11.90	14.06	16.49	-				
					43	-	7.40	8.98	10.79	12.78	15.04	-				
OP-MPXM125ML	114X4414	P00	A1	E	27	9.53	11.72	14.15	16.92	19.93	23.3	-	-	3.63	32	46
					32	8.83	10.88	13.15	15.76	18.60	21.78	-				
					38	7.95	9.82	11.91	14.30	16.92	19.87	-				
					43	-	8.91	10.83	13.04	15.46	18.21	-				
OP-MPXM162ML	114X4434	P00	A1	E	27	11.59	14.43	17.59	21.22	25.16	29.57	-	-	3.35	40	46
					32	10.60	13.27	16.25	19.67	23.40	27.59	-				
					38	9.37	11.82	14.55	17.71	21.18	25.08	-				
					43	-	10.57	13.08	16.01	19.23	22.89	-				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R449A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPYM008DY	114X4119	P00	A1	G	27	-	0.63	0.82	1.02	1.24	1.46	-	1.93	-	10	29
					32	-	0.57	0.74	0.93	1.13	1.35	-				
					38	-	0.5	0.66	0.83	1.01	1.21	-				
					43	-	0.44	0.58	0.74	0.91	1.09	-				
OP-MPYM009DY	114X4120	P00	A1	G	27	-	0.66	0.87	1.09	1.32	1.56	-	1.89	-	10	30
					32	-	0.60	0.80	1.00	1.21	1.44	-				
					38	-	0.54	0.71	0.89	1.08	1.29	-				
					43	-	0.48	0.63	0.8	0.97	1.16	-				
OP-MPTM008DY	114X4107	P00	A1 + A2L	G	27	-	0.77	0.96	1.17	1.38	1.62	1.86	2.24	-	10	31
					32	-	0.68	0.86	1.05	1.25	1.46	1.69				
					38	-	0.58	0.73	0.9	1.08	1.28	1.49				
					43	-	0.50	0.63	0.78	0.95	1.13	1.33				
OP-MPTM009DY	114X4111	P00	A1 + A2L	G	27	-	0.87	1.08	1.29	1.52	1.75	2	2.04	-	10	31
					32	-	0.78	0.96	1.16	1.37	1.59	1.82				
					38	-	0.67	0.83	1.01	1.19	1.39	1.6				
					43	-	0.58	0.72	0.88	1.05	1.23	1.42				
OP-MPYM012DP	114X4121	P00	A1	G	27	-	0.93	1.19	1.47	1.76	2.06	-	1.89	-	10	32
					32	-	0.84	1.09	1.35	1.62	1.90	-				
					38	-	0.75	0.97	1.20	1.44	1.70	-				
					43	-	0.67	0.86	1.08	1.3	1.54	-				
OP-MPYM014DP	114X4122	P00	A1	G	27	-	0.97	1.25	1.54	1.85	2.19	-	1.6	-	16	29
					32	-	0.89	1.14	1.42	1.71	2.03	-				
					38	-	0.79	1.02	1.27	1.54	1.83	-				
					43	-	0.71	0.92	1.15	1.4	1.67	-				
OP-MPTM012DP	114X4113	P00	A1 + A2L	G	27	-	1.12	1.37	1.64	1.92	2.21	2.5	1.85	-	10	31
					32	-	0.99	1.22	1.47	1.72	1.99	2.27				
					38	-	0.85	1.05	1.26	1.49	1.74	1.99				
					43	-	0.73	0.90	1.1	1.3	1.53	1.76				
OP-MPTM014DP	114X4114	P00	A1 + A2L	G	27	-	1.18	1.43	1.7	1.98	2.27	2.58	1.78	-	10	31
					32	-	1.07	1.30	1.55	1.81	2.09	2.39				
					38	-	0.94	1.15	1.37	1.62	1.88	2.15				
					43	-	0.84	1.02	1.23	1.45	1.7	1.96				
OP-MPTM018DX	114X4115	P00	A1 + A2L	G	27	-	1.24	1.49	1.75	2.03	2.32	2.63	1.65	-	10	38
					32	-	1.13	1.36	1.6	1.86	2.14	2.43				
					38	-	1.00	1.21	1.43	1.67	1.92	2.2				
					43	-	0.89	1.08	1.28	1.5	1.74	2				
OP-MPOM018AJ	114X4230	P00	A1	G	27	0.93	1.23	1.59	2.02	2.52	3.11	3.79	1.91	-	16	36
					32	0.85	1.13	1.46	1.86	2.33	2.88	3.52				
					38	-	1.01	1.32	1.68	2.11	2.62	3.2				
					43	-	0.91	1.19	1.53	1.93	2.4	2.95				
OP-MPOM024AJ	114X4200	P00	A1	G	27	1.15	1.54	2.02	2.57	3.22	3.96	4.79	2.08	-	20	36
					32	1.04	1.4	1.84	2.36	2.96	3.65	4.43				
					38	-	1.24	1.64	2.11	2.66	3.29	4.02				
					43	-	1.1	1.47	1.9	2.41	3	3.67				
OP-MPTM022DS	114X4237	P00	A1 + A2L	G	27	-	1.8	2.20	2.64	3.14	3.68	4.25	1.9	-	10	38
					32	-	1.63	1.99	2.4	2.86	3.35	3.88				
					38	-	1.42	1.75	2.12	2.52	2.96	3.44				
					43	-	1.25	1.55	1.88	2.24	2.63	3.06				
OP-MPOM026AJ	114X4212	P00	A1	G	27	1.32	1.73	2.22	2.8	3.46	4.23	5.1	2.06	-	20	36
					32	1.2	1.59	2.04	2.58	3.2	3.92	4.73				
					38	-	1.41	1.83	2.32	2.89	3.55	4.3				
					43	-	1.27	1.65	2.1	2.63	3.25	3.95				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

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Optyma™ Plus - Performance data R449A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPOM026AJ	114X4213	P00	A1	E	27	1.29	1.73	2.23	2.81	3.49	4.26	5.14	1.97	-	10	36
					32	1.16	1.57	2.04	2.59	3.23	3.96	4.78				
					38	-	1.38	1.82	2.33	2.91	3.59	4.35				
					43	-	1.23	1.63	2.1	2.65	3.28	4				
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	-	2.21	2.70	3.22	3.77	4.33	4.91	1.83	-	10	38
					32	-	1.95	2.40	2.87	3.37	3.89	4.44				
					38	-	1.64	2.03	2.45	2.9	3.37	3.88				
					43	-	1.38	1.73	2.11	2.51	2.94	3.41				
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	-	2.23	2.73	3.26	3.8	4.38	4.96	1.79	-	10	38
					32	-	1.97	2.42	2.9	3.4	3.93	4.49				
					38	-	1.65	2.05	2.48	2.93	3.41	3.92				
					43	-	1.40	1.75	2.13	2.54	2.97	3.44				
OP-MPOM034AJ	114X4227	P00	A1	E	27	1.65	2.17	2.77	3.47	4.27	5.17	6.19	1.94	-	10	36
					32	1.51	1.99	2.56	3.21	3.96	4.81	5.76				
					38	-	1.78	2.30	2.9	3.59	4.37	5.26				
					43	-	1.59	2.08	2.64	3.28	4.01	4.84				
OP-MPOM034AJ	114X4226	P00	A1	G	27	1.65	2.18	2.80	3.52	4.34	5.26	6.3	1.86	-	20	36
					32	1.49	2	2.58	3.25	4.01	4.88	5.86				
					38	-	1.77	2.31	2.92	3.63	4.43	5.33				
					43	-	1.58	2.08	2.65	3.3	4.05	4.88				
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	-	2.24	2.91	3.66	4.5	5.43	6.43	1.79	-	10	38
					32	-	2.01	2.63	3.34	4.12	5	5.95				
					38	-	1.72	2.29	2.94	3.67	4.48	5.37				
					43	-	1.47	2.00	2.61	3.28	4.05	4.88				
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	-	2.27	2.94	3.7	4.54	5.48	6.49	1.75	-	10	38
					32	-	2.03	2.66	3.37	4.17	5.05	6.01				
					38	-	1.74	2.31	2.97	3.71	4.53	5.43				
					43	-	1.49	2.02	2.63	3.32	4.09	4.93				
OP-MPXM034ML	114X4264	P00	A1	E	27	2.59	3.21	3.90	4.7	5.58	6.58	-	2.29	-	16	37
					32	2.4	2.99	3.64	4.39	5.23	6.17	-				
					38	2.17	2.7	3.31	4.01	4.79	5.67	-				
					43	-	2.46	3.02	3.67	4.4	5.23	-				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.59	3.21	3.90	4.7	5.58	6.58	-	2.29	-	16	37
					32	2.4	2.99	3.64	4.39	5.23	6.17	-				
					38	2.17	2.7	3.31	4.01	4.79	5.67	-				
					43	-	2.46	3.02	3.67	4.4	5.23	-				
OP-MPXM034ML	114X4261	P00	A1	G	27	2.58	3.2	3.90	4.7	5.59	6.59	-	2.35	-	25	37
					32	2.41	2.99	3.65	4.41	5.24	6.19	-				
					38	2.19	2.73	3.34	4.04	4.82	5.7	-				
					43	-	2.51	3.07	3.72	4.45	5.27	-				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.58	3.2	3.90	4.7	5.59	6.59	-	2.35	-	25	37
					32	2.41	2.99	3.65	4.41	5.24	6.19	-				
					38	2.19	2.73	3.34	4.04	4.82	5.7	-				
					43	-	2.51	3.07	3.72	4.45	5.27	-				
OP-MPXM046ML	114X4284	P00	A1	E	27	3.45	4.26	5.16	6.18	7.3	8.55	-	2.22	-	20	37
					32	3.19	3.95	4.79	5.75	6.81	7.99	-				
					38	2.87	3.56	4.33	5.22	6.19	7.29	-				
					43	-	3.23	3.94	4.76	5.66	6.68	-				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.45	4.26	5.16	6.18	7.3	8.55	-	2.22	-	20	37
					32	3.19	3.95	4.79	5.75	6.81	7.99	-				
					38	2.87	3.56	4.33	5.22	6.19	7.29	-				
					43	-	3.23	3.94	4.76	5.66	6.68	-				

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MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R449A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPXM046ML	114X4281	P00	A1	G	27	3.47	4.28	5.18	6.22	7.36	8.63	-	2.13	-	40	37
					32	3.22	3.98	4.83	5.81	6.88	8.09	-				
					38	2.92	3.61	4.39	5.29	6.28	7.41	-				
					43	-	3.3	4.02	4.85	5.77	6.82	-				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.47	4.28	5.18	6.22	7.36	8.63	-	2.13	-	40	37
					32	3.22	3.98	4.83	5.81	6.88	8.09	-				
					38	2.917	3.61	4.39	5.29	6.28	7.41	-				
					43	-	3.3	4.02	4.85	5.77	6.82	-				
OP-MPXM057ML	114X4293	P00	A1	E	27	4.17	5.14	6.21	7.41	8.71	10.14	-	-	3.33	20	37
					32	3.82	4.73	5.73	6.86	8.08	9.42	-				
					38	3.38	4.22	5.13	6.17	7.28	8.52	-				
					43	-	3.77	4.61	5.57	6.59	7.73	-				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	4.17	5.14	6.21	7.41	8.71	10.14	-	-	3.33	20	37
					32	3.82	4.73	5.73	6.86	8.08	9.42	-				
					38	3.38	4.22	5.13	6.17	7.28	8.52	-				
					43	-	3.77	4.61	5.57	6.59	7.73	-				
OP-MPXM057ML	114X4290	P00	A1	G	27	4.22	5.19	6.27	7.49	8.81	10.28	-	-	3.12	40	37
					32	3.9	4.8	5.80	6.94	8.18	9.56	-				
					38	3.49	4.31	5.22	6.25	7.38	8.65	-				
					43	-	3.88	4.709	5.653	6.68	7.85	-				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	4.22	5.19	6.27	7.49	8.81	10.28	-	-	3.12	40	37
					32	3.9	4.8	5.80	6.94	8.18	9.56	-				
					38	3.49	4.31	5.22	6.25	7.38	8.65	-				
					43	-	3.88	4.709	5.653	6.68	7.85	-				
OP-MPXM068ML	114X4308	P00	A1	G	27	5.26	6.49	7.87	9.46	11.2	13.18	-	-	3.56	50	38
					32	4.88	6.04	7.33	8.83	10.49	12.36	-				
					38	4.4	5.47	6.67	8.05	9.59	11.35	-				
					43	-	4.99	6.09	7.38	8.81	10.47	-				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	5.26	6.49	7.87	9.46	11.2	13.18	-	-	3.56	50	38
					32	4.88	6.04	7.33	8.83	10.49	12.36	-				
					38	4.4	5.47	6.67	8.05	9.59	11.35	-				
					43	-	4.99	6.09	7.38	8.81	10.47	-				
OP-MPXM068ML	114X4311	P00	A1	E	27	5.3	6.52	7.89	9.48	11.22	13.19	-	-	3.75	20	38
					32	4.9	6.06	7.35	8.84	10.49	12.36	-				
					38	4.41	5.47	6.66	8.04	9.57	11.32	-				
					43	-	4.96	6.06	7.34	8.77	10.41	-				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	5.3	6.52	7.89	9.48	11.22	13.19	-	-	3.75	20	38
					32	4.9	6.06	7.35	8.84	10.49	12.36	-				
					38	4.41	5.47	6.66	8.04	9.57	11.32	-				
					43	-	4.96	6.06	7.34	8.77	10.41	-				
OP-MPXM080ML	114X4321	P00	A1	G	27	6.06	7.45	8.99	10.75	12.65	14.77	-	-	3.30	50	38
					32	5.65	6.96	8.40	10.05	11.84	13.84	-				
					38	5.14	6.34	7.67	9.18	10.83	12.68	-				
					43	-	5.81	7.03	8.42	9.94	11.67	-				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	6.06	7.45	8.99	10.75	12.65	14.77	-	-	3.30	50	38
					32	5.65	6.96	8.40	10.05	11.84	13.84	-				
					38	5.14	6.34	7.67	9.18	10.83	12.68	-				
					43	-	5.81	7.03	8.42	9.94	11.67	-				

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MBP

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Optyma™ Plus - Performance data R449A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPXM080ML	114X4324	P00	A1	E	27	6.15	7.55	9.10	10.87	12.8	14.95	-	-	3.72	20	38
					32	5.69	7	8.45	10.12	11.94	13.98	-				
					38	5.11	6.31	7.65	9.18	10.87	12.76	-				
					43	-	5.72	6.95	8.38	9.94	11.71	-				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	6.15	7.55	9.10	10.87	12.8	14.95	-	-	3.72	20	38
					32	5.69	7	8.45	10.12	11.94	13.98	-				
					38	5.11	6.31	7.65	9.18	10.87	12.76	-				
					43	-	5.72	6.95	8.38	9.94	11.71	-				
OP-MPXM108ML	114X4344	P00	A1	E	27	8.02	9.85	11.88	14.19	16.69	19.49	-	-	3.52	20	44
					32	7.4	9.11	11.01	13.17	15.52	18.16	-				
					38	6.63	8.19	9.92	11.9	14.06	16.49	-				
					43	-	7.4	8.98	10.79	12.78	15.04	-				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	8.02	9.85	11.88	14.19	16.69	19.49	-	-	3.52	20	44
					32	7.4	9.11	11.01	13.17	15.52	18.16	-				
					38	6.63	8.19	9.92	11.9	14.06	16.49	-				
					43	-	7.4	8.98	10.79	12.78	15.04	-				
OP-MPXM125ML	114X4414	P00	A1	E	27	9.53	11.72	14.15	16.92	19.93	23.3	-	-	3.61	32	46
					32	8.83	10.88	13.15	15.76	18.6	21.78	-				
					38	7.95	9.82	11.91	14.3	16.92	19.87	-				
					43	-	8.91	10.83	13.04	15.46	18.21	-				
OP-MPXM162ML	114X4434	P00	A1	E	27	11.59	14.43	17.59	21.22	25.16	29.57	-	-	3.32	40	46
					32	10.6	13.27	16.25	19.67	23.4	27.59	-				
					38	9.37	11.82	14.55	17.71	21.18	25.08	-				
					43	-	10.57	13.08	16.01	19.23	22.89	-				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R452A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPTM008DY	114X4107	P00	A1 + A2L	G	27	0.57	0.73	0.91	1.09	1.29	1.5	1.72	2.25	-	10	31
					32	0.51	0.65	0.81	0.98	1.17	1.36	1.56				
					38	0.44	0.56	0.70	0.85	1.02	1.19	1.38				
					43	0.38	0.49	0.61	0.74	0.89	1.05	1.23				
OP-MPTM009DY	114X4111	P00	A1 + A2L	G	27	0.66	0.85	1.05	1.26	1.48	1.72	1.96	2.21	-	10	31
					32	0.59	0.76	0.94	1.13	1.34	1.56	1.78				
					38	0.51	0.65	0.81	0.98	1.17	1.36	1.57				
					43	0.44	0.57	0.7	0.86	1.02	1.2	1.4				
OP-MPTM012DP	114X4113	P00	A1 + A2L	G	27	0.9	1.14	1.39	1.65	1.92	2.2	2.48	1.97	-	10	31
					32	0.8	1.02	1.24	1.48	1.73	1.98	2.25				
					38	0.68	0.87	1.07	1.28	1.5	1.73	1.98				
					43	0.59	0.75	0.93	1.11	1.31	1.52	1.75				
OP-MPTM014DP	114X4114	P00	A1 + A2L	G	27	0.93	1.16	1.42	1.69	1.99	2.3	2.64	1.87	-	10	31
					32	0.84	1.05	1.28	1.54	1.82	2.12	2.44				
					38	0.73	0.92	1.13	1.36	1.62	1.9	2.2				
					43	0.64	0.81	1.00	1.22	1.45	1.71	2				
OP-MPTM018DX	114X4115	P00	A1 + A2L	G	27	1	1.26	1.54	1.83	2.14	2.46	2.79	1.71	-	10	38
					32	0.89	1.12	1.37	1.64	1.93	2.22	2.53				
					38	0.75	0.96	1.18	1.42	1.67	1.94	2.23				
					43	0.65	0.82	1.02	1.23	1.46	1.71	1.97				
OP-MPBM018AJ	114X4230	P00	A1	G	27	1.01	1.29	1.61	1.98	2.4	2.87	-	1.69	-	16	33
					32	0.92	1.17	1.47	1.81	2.19	2.63	-				
					38	0.8	1.03	1.30	1.61	1.95	2.35	-				
					43	0.71	0.92	1.15	1.43	-	-	-				
OP-MPBM024AJ	114X4200	P00	A1	G	27	1.27	1.65	2.07	2.57	3.12	3.74	-	1.87	-	20	33
					32	1.14	1.49	1.88	2.34	2.85	3.42	-				
					38	0.98	1.29	1.65	2.06	2.52	3.04	-				
					43	0.85	1.13	1.45	1.83	-	-	-				
OP-MPTM022DS	114X4237	P00	A1 + A2L	G	27	1.46	1.82	2.24	2.7	3.22	3.79	4.41	1.98	-	10	38
					32	1.3	1.64	2.02	2.45	2.93	3.45	4.03				
					38	1.12	1.42	1.77	2.15	2.58	3.05	3.56				
					43	0.97	1.25	1.56	1.9	2.29	2.71	3.17				
OP-MPBM026AJ	114X4213	P00	A1	E	27	1.41	1.82	2.27	2.79	3.36	4.01	-	1.74	-	10	36
					32	1.26	1.64	2.06	2.54	3.07	3.67	-				
					38	1.08	1.43	1.81	2.24	2.72	3.27	-				
					43	0.93	1.24	1.59	1.99	-	-	-				
OP-MPBM026AJ	114X4212	P00	A1	G	27	1.44	1.83	2.27	2.78	3.34	3.98	-	1.84	-	20	36
					32	1.3	1.66	2.07	2.54	3.06	3.65	-				
					38	1.13	1.46	1.82	2.24	2.717	3.25	-				
					43	0.99	1.29	1.62	2	-	-	-				
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	1.67	2.14	2.64	3.17	3.72	4.31	4.91	1.89	-	10	38
					32	1.46	1.88	2.33	2.81	3.32	3.87	4.44				
					38	1.21	1.57	1.97	2.39	2.85	3.35	3.87				
					43	1.01	1.32	1.67	2.05	2.46	2.91	3.39				
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	1.69	2.16	2.67	3.2	3.76	4.35	4.96	1.85	-	10	38
					32	1.48	1.9	2.36	2.84	3.36	3.91	4.48				
					38	1.23	1.59	1.99	2.42	2.88	3.38	3.91				
					43	1.02	1.34	1.68	2.07	2.48	2.94	3.43				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

This table continues on the next page

Optyma™ Plus - Performance data R452A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPBM034AJ	114X4227	P00	A1	E	27	1.83	2.32	2.88	3.51	4.2	4.99	-	1.76	-	10	37
					32	1.65	2.12	2.63	3.21	3.86	4.58	-				
					38	1.44	1.86	2.32	2.85	3.44	4.09	-				
					43	1.25	1.64	2.07	2.55	-	-	-				
OP-MPBM034AJ	114X4226	P00	A1	G	27	1.83	2.34	2.92	3.57	4.29	5.11	-	1.7	-	20	37
					32	1.65	2.13	2.66	3.27	3.93	4.68	-				
					38	1.43	1.86	2.34	2.89	3.49	4.16	-				
					43	1.24	1.64	2.07	2.57	-	-	-				
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	1.66	2.26	2.95	3.73	4.62	5.59	6.65	1.86	-	10	38
					32	1.45	2.01	2.66	3.39	4.22	5.14	6.15				
					38	1.2	1.71	2.30	2.97	3.74	4.59	5.54				
					43	0.98	1.45	2.00	2.62	3.34	4.13	5.02				
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	1.68	2.28	2.98	3.77	4.66	5.64	6.71	1.82	-	10	38
					32	1.47	2.03	2.68	3.42	4.27	5.19	6.21				
					38	1.21	1.73	2.32	3	3.78	4.64	5.59				
					43	0.99	1.47	2.02	2.65	3.37	4.17	5.07				
OP-MPXM034ML	114X4264	P00	A1	E	27	2.55	3.13	3.78	4.53	5.36	6.29	-	2.2	-	16	38
					32	2.36	2.89	3.50	4.2	4.96	5.83	-				
					38	2.12	2.61	3.15	3.78	4.48	5.27	-				
					43	1.92	2.36	2.85	3.43	-	-	-				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.55	3.13	3.78	4.53	5.36	6.29	-	2.2	-	16	38
					32	2.36	2.89	3.50	4.2	4.96	5.83	-				
					38	2.12	2.61	3.15	3.78	4.48	5.27	-				
					43	1.92	2.36	2.85	3.43	-	-	-				
OP-MPXM034ML	114X4261	P00	A1	G	27	2.57	3.15	3.81	4.56	5.39	6.32	-	2.21	-	25	38
					32	2.37	2.91	3.52	4.23	5	5.87	-				
					38	2.13	2.62	3.17	3.81	4.51	5.32	-				
					43	1.93	2.37	2.87	3.45	-	-	-				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.57	3.15	3.81	4.56	5.39	6.32	-	2.21	-	25	38
					32	2.37	2.91	3.52	4.23	5	5.87	-				
					38	2.13	2.62	3.17	3.81	4.51	5.32	-				
					43	1.93	2.37	2.87	3.45	-	-	-				
OP-MPXM046ML	114X4284	P00	A1	E	27	3.43	4.22	5.10	6.1	7.2	8.43	-	2.12	-	20	38
					32	3.15	3.88	4.70	5.64	6.66	7.81	-				
					38	2.81	3.47	4.21	5.06	5.99	7.04	-				
					43	2.52	3.12	3.79	4.56	-	-	-				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.43	4.22	5.10	6.1	7.2	8.43	-	2.12	-	20	38
					32	3.15	3.88	4.70	5.64	6.66	7.81	-				
					38	2.81	3.47	4.21	5.06	5.99	7.04	-				
					43	2.52	3.12	3.79	4.56	-	-	-				
OP-MPXM046ML	114X4281	P00	A1	G	27	3.45	4.24	5.11	6.1	7.18	8.39	-	2.04	-	40	38
					32	3.19	3.92	4.72	5.64	6.64	7.77	-				
					38	2.87	3.52	4.24	5.07	5.97	7	-				
					43	2.59	3.17	3.82	4.57	-	-	-				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.45	4.24	5.11	6.1	7.18	8.39	-	2.04	-	40	38
					32	3.19	3.92	4.72	5.64	6.64	7.77	-				
					38	2.87	3.52	4.24	5.07	5.97	7	-				
					43	2.59	3.17	3.82	4.57	-	-	-				

MBP
 (1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
 E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
 (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
 (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

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Optyma™ Plus - Performance data R452A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/g(A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPXM057ML	114X4293	P00	A1	E	27	4.24	5.2	6.27	7.48	8.79	10.26	-	-	3.51	20	38
					32	3.89	4.78	5.76	6.88	8.1	9.47	-				
					38	3.45	4.24	5.12	6.13	7.23	8.47	-				
					43	3.07	3.77	4.56	5.47	-	-	-				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	4.24	5.2	6.27	7.48	8.79	10.26	-	-	3.51	20	38
					32	3.89	4.78	5.76	6.88	8.1	9.47	-				
					38	3.45	4.24	5.12	6.13	7.23	8.47	-				
					43	3.07	3.77	4.56	5.47	-	-	-				
OP-MPXM057ML	114X4290	P00	A1	G	27	4.28	5.26	6.33	7.55	8.87	10.35	-	-	3.31	40	38
					32	3.95	4.85	5.85	6.97	8.2	9.57	-				
					38	3.54	4.35	5.23	6.24	7.34	8.58	-				
					43	3.19	3.91	4.70	5.61	-	-	-				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	4.28	5.26	6.33	7.55	8.87	10.35	-	-	3.31	40	38
					32	3.95	4.85	5.85	6.97	8.2	9.57	-				
					38	3.54	4.35	5.23	6.24	7.34	8.58	-				
					43	3.19	3.91	4.70	5.61	-	-	-				
OP-MPXM068ML	114X4308	P00	A1	G	27	5.19	6.35	7.65	9.15	10.79	12.63	-	-	3.40	50	39
					32	4.8	5.87	7.07	8.46	9.98	11.7	-				
					38	4.31	5.27	6.35	7.6	8.98	10.55	-				
					43	3.9	4.76	5.73	6.86	-	-	-				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	5.19	6.35	7.65	9.15	10.79	12.63	-	-	3.40	50	39
					32	4.8	5.87	7.07	8.46	9.98	11.7	-				
					38	4.31	5.27	6.35	7.6	8.98	10.55	-				
					43	3.9	4.76	5.73	6.86	-	-	-				
OP-MPXM068ML	114X4311	P00	A1	E	27	5.17	6.34	7.66	9.18	10.85	12.72	-	-	3.59	20	39
					32	4.77	5.86	7.08	8.49	10.04	11.79	-				
					38	4.29	5.26	6.36	7.63	9.04	10.64	-				
					43	3.87	4.75	5.74	6.89	-	-	-				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	5.17	6.34	7.66	9.18	10.85	12.72	-	-	3.59	20	39
					32	4.77	5.86	7.08	8.49	10.04	11.79	-				
					38	4.29	5.26	6.36	7.63	9.04	10.64	-				
					43	3.87	4.75	5.74	6.89	-	-	-				
OP-MPXM080ML	114X4324	P00	A1	E	27	6.02	7.38	8.89	10.62	12.49	14.59	-	-	3.62	20	39
					32	5.52	6.78	8.18	9.79	11.55	13.52	-				
					38	4.89	6.03	7.30	8.76	10.37	12.17	-				
					43	4.35	5.38	6.54	7.87	-	-	-				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	6.02	7.38	8.89	10.62	12.49	14.59	-	-	3.62	20	39
					32	5.52	6.78	8.18	9.79	11.55	13.52	-				
					38	4.89	6.03	7.30	8.76	10.37	12.17	-				
					43	4.35	5.38	6.54	7.87	-	-	-				
OP-MPXM080ML	114X4321	P00	A1	G	27	6.01	7.39	8.92	10.67	12.58	14.71	-	-	3.32	50	39
					32	5.53	6.8	8.22	9.85	11.63	13.63	-				
					38	4.92	6.07	7.35	8.82	10.45	12.27	-				
					43	4.41	5.44	6.60	7.93	-	-	-				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	6.01	7.39	8.92	10.67	12.58	14.71	-	-	3.32	50	39
					32	5.53	6.8	8.22	9.85	11.63	13.63	-				
					38	4.92	6.07	7.35	8.82	10.45	12.27	-				
					43	4.41	5.44	6.60	7.93	-	-	-				

MBP
 (1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
 E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
 (2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
 (3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

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Optyma™ Plus - Performance data R452A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPXM108ML	114X4344	P00	A1	E	27	8.05	9.87	11.88	14.16	16.63	19.37	-	-	3.55	20	39
					32	7.35	9.03	10.89	13	15.3	17.85	-				
					38	6.49	7.98	9.63	11.54	13.62	15.94	-				
					43	5.74	7.07	8.55	10.27	-	-	-				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	8.05	9.87	11.88	14.16	16.63	19.37	-	-	3.55	20	39
					32	7.35	9.03	10.89	13	15.3	17.85	-				
					38	6.49	7.98	9.63	11.54	13.62	15.94	-				
					43	5.74	7.07	8.55	10.27	-	-	-				
OP-MPXM125ML	114X4414	P00	A1	E	27	9.68	11.92	14.40	17.23	20.3	23.74	-	-	3.63	32	46
					32	8.87	10.95	13.25	15.89	18.75	21.97	-				
					38	7.86	9.73	11.81	14.2	16.81	19.76	-				
					43	6.98	8.67	10.55	12.73	-	-	-				
OP-MPXM162ML	114X4434	P00	A1	E	27	11.77	14.55	17.62	21.08	24.79	28.88	-	-	3.25	40	46
					32	10.71	13.29	16.17	19.42	22.92	26.78	-				
					38	9.37	11.7	14.31	17.29	20.53	24.1	-				
					43	8.21	10.33	12.66	15.4	-	-	-				

MBP

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

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

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R404A/R507 MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPTM008DY	114X4107	P00	A1 + A2L	G	27	0.59	0.75	0.92	1.12	1.32	1.54	1.77	2.06	-	10	31
					32	0.53	0.68	0.84	1.01	1.21	1.41	1.64				
					38	0.46	0.59	0.73	0.89	1.07	1.26	1.47				
					43	0.40	0.52	0.65	0.79	0.96	1.14	1.33				
OP-MPYM008DY	114X4119	P00	A1	G	27	-	0.76	0.94	1.14	1.354	1.583	-	2.12	-	10	29
					32	-	0.68	0.85	1.03	1.238	1.455	-				
					38	-	0.6	0.75	0.91	1.1	1.301	-				
					43	-	0.52	0.66	0.81	0.985	1.173	-				
OP-MPYM009DY	114X4120	P00	A1	G	27	-	0.82	1.01	1.22	1.45	1.69	-	2	-	10	30
					32	-	0.74	0.92	1.11	1.32	1.55	-				
					38	-	0.65	0.80	0.98	1.17	1.39	-				
					43	-	0.57	0.71	0.87	1.05	1.25	-				
OP-MPTM009DY	114X4111	P00	A1 + A2L	G	27	0.66	0.83	1.01	1.22	1.43	1.67	1.91	2.01	-	10	31
					32	0.59	0.75	0.92	1.11	1.31	1.53	1.76				
					38	0.52	0.66	0.81	0.98	1.16	1.37	1.58				
					43	0.46	0.58	0.72	0.87	1.04	1.23	1.44				
OP-MPTM012DP	114X4113	P00	A1 + A2L	G	27	0.89	1.11	1.35	1.6	1.87	2.15	2.44	1.83	-	10	31
					32	0.80	1.00	1.22	1.46	1.71	1.97	2.25				
					38	0.70	0.88	1.07	1.29	1.51	1.76	2.02				
					43	0.61	0.77	0.95	1.14	1.35	1.58	1.83				
OP-MPYM012DP	114X4121	P00	A1	G	27	-	1.12	1.37	1.64	1.92	2.22	-	2.02	-	10	32
					32	-	1.01	1.24	1.49	1.76	2.04	-				
					38	-	0.89	1.09	1.32	1.56	1.82	-				
					43	-	0.78	0.97	1.17	1.40	1.64	-				
OP-MPYM014DP	114X4122	P00	A1	G	27	-	1.14	1.40	1.69	2.01	2.34	-	1.69	-	16	29
					32	-	1.04	1.28	1.55	1.85	2.17	-				
					38	-	0.92	1.14	1.39	1.66	1.96	-				
					43	-	0.82	1.02	1.25	1.50	1.78	-				
OP-MPTM014DP	114X4114	P00	A1 + A2L	G	27	0.91	1.15	1.40	1.68	1.97	2.29	2.63	1.73	-	10	31
					32	0.84	1.05	1.28	1.54	1.82	2.12	2.44				
					38	0.74	0.93	1.14	1.37	1.63	1.91	2.22				
					43	0.66	0.83	1.02	1.24	1.48	1.74	2.03				
OP-MPTM018DX	114X4115	P00	A1 + A2L	G	27	0.96	1.21	1.47	1.76	2.07	2.4	2.75	1.64	-	10	38
					32	0.88	1.10	1.34	1.61	1.90	2.22	2.55				
					38	0.78	0.98	1.19	1.44	1.71	2.00	2.32				
					43	0.70	0.87	1.07	1.29	1.54	1.82	2.12				
OP-MPOM018AJ	114X4230	P00	A1	G	27	1.19	1.49	1.83	2.22	2.67	3.16	-	1.94	-	16	33
					32	1.08	1.36	1.67	2.03	2.44	2.90	-				
					38	-	-	1.49	1.81	2.17	2.57	-				
					43	-	-	1.33	1.62	1.94	2.30	-				
OP-MPTM022DS	114X4237	P00	A1 + A2L	G	27	1.44	1.81	2.23	2.71	3.24	3.83	4.47	1.87	-	10	38
					32	1.29	1.63	2.02	2.46	2.95	3.49	4.08				
					38	1.10	1.41	1.76	2.16	2.6	3.09	3.62				
					43	0.95	1.24	1.55	1.91	2.31	2.75	3.23				
OP-MPOM024AJ	114X4200	P00	A1	G	27	-	1.84	2.30	2.84	3.44	-	-	2.08	-	20	33
					32	-	1.65	2.08	2.57	3.13	-	-				
					38	-	1.43	1.82	2.26	2.75	-	-				
					43	-	1.24	1.60	2.00	2.45	-	-				
OP-MPOM026AJ	114X4212	P00	A1	G	27	1.64	2.05	2.53	3.08	3.7	4.38	-	2.05	-	20	36
					32	1.47	1.86	2.30	2.8	3.37	4.00	-				
					38	1.27	1.62	2.02	2.47	2.98	3.55	-				
					43	-	1.42	1.79	2.20	2.66	3.17	-				

MBP

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

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

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

This table continues on the next page

Optyma™ Plus - Performance data R404A/R507 MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gc (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPOM026AJ	114X4213	P00	A1	E	27	1.61	2.04	2.54	3.102	3.72	4.41	-	1.96	-	10	36
					32	1.43	1.84	2.30	2.824	3.4	4.04	-				
					38	1.21	1.59	2.01	2.485	3	3.58	-				
					43	-	1.38	1.77	2.2	2.67	3.2	-				
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	1.74	2.19	2.66	3.17	3.71	4.29	4.89	1.75	-	10	38
					32	1.55	1.95	2.39	2.86	3.37	3.91	4.48				
					38	1.31	1.67	2.07	2.49	2.96	3.46	4				
					43	1.12	1.44	1.80	2.19	2.62	3.09	3.59				
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	1.76	2.21	2.69	3.2	3.75	4.33	4.94	1.715	-	10	38
					32	1.56	1.97	2.41	2.89	3.4	3.95	4.53				
					38	1.33	1.69	2.09	2.52	2.99	3.5	4.04				
					43	1.13	1.45	1.81	2.21	2.64	3.12	3.63				
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	1.68	2.31	3.04	3.87	4.81	5.85	6.99	1.71	-	10	38
					32	1.47	2.05	2.74	3.51	4.4	5.38	6.47				
					38	1.21	1.74	2.36	3.08	3.9	4.81	5.83				
					43	0.98	1.47	2.05	2.71	3.47	4.33	5.29				
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	1.7	2.33	3.07	3.91	4.85	5.9	7.06	1.67	-	10	38
					32	1.48	2.08	2.76	3.55	4.44	5.44	6.53				
					38	1.22	1.76	2.39	3.11	3.94	4.86	5.89				
					43	0.99	1.49	2.07	2.74	3.51	4.37	5.35				
OP-MPOM034AJ	114X4227	P00	A1	E	27	2.03	2.54	3.12	3.77	4.49	5.27	-	1.89	-	10	36
					32	1.82	2.3	2.84	3.44	4.1	4.83	-				
					38	1.57	2.01	2.50	3.04	3.64	4.29	-				
					43	-	1.77	2.21	2.71	3.25	3.84	-				
OP-MPOM034AJ	114X4226	P00	A1	G	27	2.03	2.56	3.17	3.84	4.59	5.41	-	1.83	-	20	36
					32	1.82	2.32	2.88	3.5	4.19	4.94	-				
					38	1.56	2.01	2.52	3.08	3.7	4.38	-				
					43	-	1.76	2.22	2.73	3.29	3.9	-				
OP-MPXM034ML	114X4264	P00	A1	E	27	2.52	3.1	3.76	4.49	5.3	6.19	-	2.13	-	16	37
					32	2.27	2.81	3.42	4.1	4.85	5.67	-				
					38	1.94	2.44	2.99	3.61	4.28	5.03	-				
					43	1.65	2.11	2.62	3.18	3.79	4.47	-				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.52	3.1	3.76	4.49	5.3	6.19	-	2.13	-	16	37
					32	2.27	2.81	3.42	4.1	4.85	5.67	-				
					38	1.94	2.44	2.99	3.61	4.28	5.03	-				
					43	1.65	2.11	2.62	3.18	3.79	4.47	-				
OP-MPXM034ML	114X4261	P00	A1	G	27	2.61	3.17	3.81	4.52	5.32	6.2	-	2.09	-	25	37
					32	2.39	2.91	3.50	4.17	4.91	5.73	-				
					38	2.11	2.58	3.12	3.73	4.41	5.17	-				
					43	1.88	2.31	2.8	3.35	3.98	4.69	-				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.61	3.17	3.81	4.52	5.32	6.2	-	2.09	-	25	37
					32	2.39	2.91	3.50	4.17	4.91	5.73	-				
					38	2.11	2.58	3.12	3.73	4.41	5.17	-				
					43	1.88	2.31	2.80	3.35	3.98	4.69	-				
OP-MPXM046ML	114X4284	P00	A1	E	27	3.431	4.15	4.96	5.86	6.85	7.95	-	2.04	-	20	37
					32	3.133	3.8	4.54	5.37	6.29	7.31	-				
					38	2.752	3.35	4.01	4.76	5.59	6.52	-				
					43	2.413	2.95	3.55	4.22	4.98	5.83	-				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.431	4.15	4.96	5.86	6.85	7.95	-	2.04	-	20	37
					32	3.133	3.8	4.54	5.37	6.29	7.31	-				
					38	2.752	3.35	4.01	4.76	5.59	6.52	-				
					43	2.413	2.95	3.55	4.22	4.98	5.83	-				

MBP
(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz
E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

This table continues on the next page

Optyma™ Plus - Performance data R404A/R507 MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gc (A)	Sound pressure level 10 m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPXM046ML	114X4281	P00	A1	G	27	3.478	4.21	5.03	5.95	6.96	8.06	-	2.57	-	40	37
					32	3.172	3.85	4.61	5.45	6.39	7.41	-				
					38	2.785	3.39	4.07	4.83	5.67	6.6	-				
					43	2.443	2.98	3.60	4.28	5.05	5.9	-				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.478	4.21	5.03	5.95	6.96	8.06	-	2.57	-	40	37
					32	3.172	3.85	4.61	5.45	6.39	7.41	-				
					38	2.785	3.39	4.07	4.83	5.67	6.6	-				
					43	2.443	2.98	3.60	4.28	5.05	5.9	-				
OP-MPXM057ML	114X4293	P00	A1	E	27	4.02	4.86	5.81	6.86	8.02	9.26	-	-	3.27	20	37
					32	3.66	4.43	5.30	6.27	7.33	8.48	-				
					38	3.23	3.91	4.67	5.53	6.47	7.5	-				
					43	2.85	3.45	4.13	4.88	5.73	6.68	-				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	4.02	4.86	5.81	6.86	8.02	9.26	-	-	3.27	20	37
					32	3.66	4.43	5.30	6.27	7.33	8.48	-				
					38	3.23	3.91	4.67	5.53	6.47	7.5	-				
					43	2.85	3.45	4.13	4.88	5.73	6.68	-				
OP-MPXM057ML	114X4290	P00	A1	G	27	4.02	4.87	5.82	6.87	8.03	9.27	-	-	3.17	40	37
					32	3.67	4.44	5.31	6.28	7.34	8.49	-				
					38	3.23	3.91	4.68	5.53	6.48	7.51	-				
					43	2.85	3.45	4.13	4.89	5.72	6.64	-				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	4.02	4.87	5.82	6.87	8.03	9.27	-	-	3.17	40	37
					32	3.67	4.44	5.31	6.28	7.34	8.49	-				
					38	3.23	3.91	4.68	5.53	6.48	7.51	-				
					43	2.85	3.45	4.13	4.89	5.72	6.64	-				
OP-MPXM068ML	114X4311	P00	A1	E	27	5.32	6.5	7.85	9.38	11.09	12.96	-	-	3.89	20	38
					32	4.88	5.98	7.24	8.67	10.28	12.05	-				
					38	4.33	5.33	6.48	7.79	9.26	10.91	-				
					43	3.85	4.76	5.81	7.01	8.37	9.91	-				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	5.32	6.5	7.85	9.38	11.09	12.96	-	-	3.89	20	38
					32	4.88	5.98	7.24	8.67	10.28	12.05	-				
					38	4.33	5.33	6.48	7.79	9.26	10.91	-				
					43	3.85	4.76	5.81	7.01	8.37	9.91	-				
OP-MPXM068ML	114X4308	P00	A1	G	27	5.33	6.51	7.86	9.39	11.09	12.97	-	-	3.81	50	38
					32	4.88	5.99	7.25	8.68	10.29	12.06	-				
					38	4.33	5.34	6.48	7.79	9.272	10.92	-				
					43	3.86	4.77	5.82	7.02	8.383	9.91	-				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	5.33	6.51	7.86	9.39	11.09	12.97	-	-	3.81	50	38
					32	4.88	5.99	7.25	8.68	10.29	12.06	-				
					38	4.33	5.34	6.48	7.79	9.272	10.92	-				
					43	3.86	4.77	5.82	7.02	8.383	9.91	-				
OP-MPXM080ML	114X4321	P00	A1	G	27	6.11	7.52	9.10	10.84	12.71	14.71	-	-	3.34	50	38
					32	5.55	6.86	8.33	9.95	11.72	13.61	-				
					38	4.87	6.04	7.37	8.85	10.48	12.24	-				
					43	4.3	5.35	6.55	7.91	9.41	11.04	-				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	6.11	7.52	9.10	10.84	12.71	14.71	-	-	3.34	50	38
					32	5.55	6.86	8.33	9.95	11.72	13.61	-				
					38	4.87	6.04	7.37	8.85	10.48	12.24	-				
					43	4.3	5.35	6.55	7.91	9.41	11.04	-				
OP-MPXM080ML	114X4324	P00	A1	E	27	6.28	7.62	9.15	10.86	12.77	14.85	-	-	3.89	20	38
					32	5.75	7	8.41	10	11.78	13.73					

Optyma™ Plus - Performance data R404A/R507 MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	6.28	7.62	9.15	10.86	12.77	14.85	-	-	3.89	20	38
					32	5.75	7	8.41	10	11.78	13.73	-				
					38	5.06	6.19	7.46	8.9	10.52	12.31	-				
					43	4.47	5.47	6.63	7.93	9.4	11.05	-				
OP-MPXM108ML	114X4344	P00	A1	E	27	7.91	9.55	11.38	13.39	15.61	18.04	-	-	3.32	20	44
					32	7.2	8.71	10.39	12.25	14.29	16.55	-				
					38	6.29	7.65	9.15	10.81	12.66	14.71	-				
					43	5.5	6.72	8.06	9.56	11.24	13.12	-				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	7.91	9.55	11.38	13.39	15.61	18.04	-	-	3.32	20	44
					32	7.2	8.71	10.39	12.25	14.29	16.55	-				
					38	6.29	7.65	9.15	10.81	12.66	14.71	-				
					43	5.5	6.72	8.06	9.56	11.24	13.12	-				
OP-MPXM125ML	114X4414	P00	A1	E	27	9.49	11.67	14.10	16.81	19.79	23.02	-	-	3.65	32	46
					32	8.59	10.64	12.92	15.43	18.23	21.27	-				
					38	7.45	9.33	11.42	13.72	16.27	19.07	-				
					43	6.47	8.19	10.11	12.23	14.57	17.14	-				
OP-MPXM162ML	114X4434	P00	A1	E	27	12.61	15.12	17.84	20.81	24.06	27.61	-	-	3.24	40	46
					32	11.49	13.71	16.13	18.79	21.71	24.93	-				
					38	10.1	11.96	13.99	16.25	18.77	21.58	-				
					43	8.93	10.46	12.15	14.06	16.22	18.68	-				

MBP

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

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

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R455A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPTM008DY	114X4107	P00	A1 + A2L	G	27	-	0.79	0.97	1.17	1.38	1.6	1.83	2.2	-	10	31
					32	-	0.71	0.87	1.05	1.25	1.46	1.68				
					38	-	0.61	0.76	0.92	1.1	1.29	1.49				
					43	-	0.53	0.66	0.81	0.97	1.15	1.34				
OP-MPTM009DY	114X4111	P00	A1 + A2L	G	27	-	0.94	1.15	1.38	1.62	1.87	2.13	2.11	-	10	31
					32	-	0.84	1.03	1.24	1.46	1.7	1.95				
					38	-	0.72	0.89	1.08	1.29	1.5	1.74				
					43	-	0.63	0.78	0.95	1.14	1.34	1.56				
OP-MPTM012DP	114X4113	P00	A1 + A2L	G	27	-	1.16	1.40	1.66	1.92	2.2	2.49	1.9	-	10	31
					32	-	1.04	1.26	1.5	1.75	2.01	2.28				
					38	-	0.91	1.10	1.31	1.54	1.78	2.03				
					43	-	0.79	0.97	1.16	1.36	1.59	1.82				
OP-MPTM014DP	114X4114	P00	A1 + A2L	G	27	-	1.22	1.47	1.74	2.02	2.32	2.64	1.82	-	10	31
					32	-	1.1	1.33	1.58	1.85	2.13	2.43				
					38	-	0.96	1.17	1.39	1.64	1.9	2.19				
					43	-	0.84	1.03	1.24	1.47	1.71	1.98				
OP-MPTM018DX	114X4115	P00	A1 + A2L	G	27	-	1.37	1.65	1.95	2.26	2.59	2.93	1.71	-	10	38
					32	-	1.23	1.49	1.77	2.06	2.37	2.7				
					38	-	1.07	1.30	1.55	1.82	2.1	2.41				
					43	-	0.93	1.14	1.37	1.62	1.89	2.17				
OP-MPTM022DS	114X4237	P00	A1 + A2L	G	27	-	1.85	2.25	2.7	3.19	3.72	4.3	2.02	-	10	38
					32	-	1.67	2.04	2.45	2.89	3.38	3.91				
					38	-	1.45	1.78	2.14	2.54	2.98	3.45				
					43	-	1.27	1.57	1.89	2.25	2.64	3.07				
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	-	2.25	2.71	3.23	3.78	4.39	5.03	1.91	-	10	38
					32	-	2.02	2.45	2.92	3.43	3.98	4.57				
					38	-	1.76	2.14	2.56	3.01	3.5	4.02				
					43	-	1.54	1.89	2.26	2.66	3.1	3.57				
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	-	2.27	2.74	3.26	3.82	4.43	5.08	1.77	-	10	38
					32	-	2.04	2.48	2.95	3.46	4.02	4.62				
					38	-	1.78	2.16	2.58	3.04	3.54	4.06				
					43	-	1.56	1.90	2.28	2.69	3.13	3.61				
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	-	2.59	3.22	3.86	4.52	5.2	5.89	1.78	-	10	38
					32	-	2.33	2.90	3.49	4.09	4.73	5.38				
					38	-	2.02	2.52	3.04	3.59	4.17	4.76				
					43	-	1.77	2.21	2.68	3.17	3.7	4.25				
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	-	2.61	3.25	3.9	4.56	5.25	5.95	1.74	-	10	38
					32	-	2.35	2.93	3.52	4.13	4.78	5.43				
					38	-	2.04	2.54	3.07	3.62	4.21	4.81				
					43	-	1.78	2.23	2.71	3.2	3.74	4.29				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.74	3.37	4.09	4.90	5.80	6.79	7.88	2.5	-	25	38
					32	2.53	3.12	3.79	4.55	5.40	6.34	7.37				
					38	2.27	2.81	3.43	4.13	4.91	5.79	6.75				
					43	2.06	2.56	3.13	3.77	4.50	5.32	6.22				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.77	3.40	4.12	4.94	5.85	6.87	7.98	2.59	-	16	38
					32	2.55	3.14	3.81	4.58	5.44	6.40	7.46				
					38	2.28	2.82	3.44	4.14	4.95	5.84	6.83				
					43	2.06	2.55	3.12	3.78	4.52	5.36	6.29				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.56	4.36	5.26	6.27	7.38	8.61	9.93	2.24	-	40	38
					32	3.28	4.02	4.86	5.80	6.85	8.01	9.26				
					38	2.93	3.60	4.37	5.23	6.20	7.26	8.44				
					43	2.64	3.26	3.96	4.75	5.65	6.64	7.74				

MBP

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

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

(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid Point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

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Optyma™ Plus - Performance data R455A MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.63	4.44	5.34	6.35	7.46	8.68	10.00	2.4	-	20	38
					32	3.33	4.08	4.92	5.86	6.90	8.05	9.30				
					38	2.96	3.64	4.41	5.27	6.23	7.29	8.45				
					43	2.65	3.27	3.97	4.77	5.65	6.63	7.72				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	4.32	5.26	6.30	7.44	8.69	10.03	11.44	-	3.86	20	38
					32	3.93	4.80	5.77	6.83	8.00	9.26	10.61				
					38	3.46	4.25	5.13	6.10	7.15	8.31	9.56				
					43	3.06	3.78	4.58	5.47	6.44	7.51	8.66				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	4.32	5.25	6.29	7.44	8.71	10.08	11.52	-	3.67	40	38
					32	3.96	4.82	5.79	6.85	8.04	9.31	10.69				
					38	3.52	4.29	5.17	6.13	7.20	8.37	9.64				
					43	3.15	3.85	4.64	5.52	6.49	7.57	8.74				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	5.58	6.81	8.22	9.81	11.59	13.55	15.72	-	4.28	20	40
					32	5.13	6.28	7.60	9.10	10.77	12.62	14.68				
					38	4.58	5.64	6.84	8.22	9.77	11.49	13.39				
					43	4.12	5.09	6.20	7.47	8.91	10.53	12.31				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	5.62	6.87	8.31	9.92	11.71	13.68	15.85	-	4.11	50	40
					32	5.16	6.34	7.68	9.20	10.89	12.75	14.82				
					38	4.61	5.69	6.93	8.32	9.88	11.62	13.55				
					43	4.15	5.15	6.28	7.58	9.04	10.66	12.46				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	6.31	7.69	9.24	10.97	12.87	14.95	17.20	-	3.72	50	40
					32	5.84	7.12	8.57	10.18	11.96	13.90	16.04				
					38	5.27	6.44	7.75	9.23	10.86	12.64	14.62				
					43	4.79	5.85	7.06	8.41	9.92	11.57	13.41				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	6.49	7.88	9.46	11.23	13.17	15.32	17.63	-	4.16	20	40
					32	5.95	7.26	8.73	10.39	12.22	14.24	16.42				
					38	5.30	6.49	7.84	9.36	11.05	12.90	14.95				
					43	4.75	5.84	7.09	8.49	10.05	11.78	13.70				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	8.33	10.09	12.04	14.20	16.54	19.06	21.67	-	3.74	20	40
					32	7.61	9.24	11.06	13.05	15.24	17.60	20.07				
					38	6.74	8.21	9.85	11.66	13.66	15.82	18.15				
					43	6.01	7.34	8.83	10.48	12.29	14.30	16.47				

MBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid Point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Performance data R454C MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPTM008DY	114X4107	P00	A1 + A2L	G	27	-	0.71	0.88	1.06	1.26	1.47	1.69	2.1	-	10	31
					32	-	0.63	0.79	0.96	1.14	1.34	1.55				
					38	-	0.55	0.68	0.84	1.01	1.19	1.39				
					43	-	-	0.60	0.74	0.89	1.06	1.25				
OP-MPTM009DY	114X4111	P00	A1 + A2L	G	27	-	0.78	0.96	1.15	1.36	1.58	1.82	2.02	-	10	31
					32	-	0.70	0.86	1.04	1.24	1.44	1.67				
					38	-	0.61	0.75	0.91	1.09	1.28	1.48				
					43	-	-	0.66	0.81	0.97	1.14	1.33				
OP-MPTM012DP	114X4113	P00	A1 + A2L	G	27	-	1.05	1.28	1.52	1.77	2.03	2.31	1.81	-	10	31
					32	-	0.95	1.15	1.37	1.61	1.86	2.12				
					38	-	0.82	1.01	1.2	1.42	1.64	1.88				
					43	-	-	0.88	1.06	1.26	1.47	1.69				
OP-MPTM014DP	114X4114	P00	A1 + A2L	G	27	-	1.09	1.32	1.57	1.84	2.12	2.42	1.7	-	10	31
					32	-	0.98	1.20	1.43	1.68	1.95	2.23				
					38	-	0.85	1.05	1.26	1.49	1.74	2.01				
					43	-	-	0.93	1.12	1.34	1.57	1.82				
OP-MPTM018DX	114X4115	P00	A1 + A2L	G	27	-	1.20	1.47	1.76	2.07	2.4	2.75	1.65	-	10	38
					32	-	1.07	1.32	1.59	1.87	2.18	2.5				
					38	-	0.91	1.13	1.37	1.63	1.91	2.21				
					43	-	-	0.98	1.2	1.43	1.69	1.97				
OP-MPTM022DS	114X4237	P00	A1 + A2L	G	27	-	1.64	2.00	2.42	2.88	3.38	3.92	1.93	-	10	38
					32	-	1.48	1.81	2.19	2.61	3.08	3.57				
					38	-	1.29	1.59	1.93	2.3	2.71	3.16				
					43	-	-	1.40	1.71	2.04	2.41	2.82				
OP-MPTM026DS	114X4238	P00	A1 + A2L	G	27	-	2.00	2.43	2.91	3.44	4.01	4.63	1.82	-	10	38
					32	-	1.80	2.20	2.64	3.12	3.64	4.21				
					38	-	1.57	1.92	2.32	2.74	3.21	3.72				
					43	-	-	1.70	2.05	2.43	2.85	3.3				
OP-MPTM026DS	114X4239	P00	A1 + A2L	E	27	-	2.03	2.50	2.99	3.52	4.07	4.62	1.78	-	10	38
					32	-	1.81	2.24	2.7	3.19	3.72	4.21				
					38	-	1.55	1.94	2.36	2.81	3.29	3.71				
					43	-	-	1.69	2.07	2.48	2.93	3.3				
OP-MPTM034DS	114X4241	P00	A1 + A2L	G	27	-	2.15	2.71	3.27	3.85	4.46	5.11	1.67	-	10	38
					32	-	1.94	2.44	2.96	3.49	4.05	4.67				
					38	-	1.69	2.12	2.58	3.06	3.57	4.13				
					43	-	-	1.86	2.27	2.70	3.17	3.69				
OP-MPTM034DS	114X4242	P00	A1 + A2L	E	27	-	2.18	2.74	3.31	3.89	4.50	5.11	1.72	-	10	38
					32	-	1.96	2.47	2.99	3.53	4.09	4.67				
					38	-	1.71	2.15	2.61	3.09	3.60	4.13				
					43	-	-	1.89	2.30	2.73	3.20	3.69				
OP-MPIM034ML	114X4204	P00	A1+A2L	E	27	2.43	3.01	3.66	4.42	5.27	6.21	7.26	2.51	-	16	38
					32	2.24	2.78	3.40	4.11	4.91	5.80	6.80				
					38	2.01	2.50	3.07	3.72	4.47	5.30	6.23				
					43	1.82	2.27	2.79	3.40	4.09	4.87	5.75				
OP-MPIM034ML	114X4205	P00	A1+A2L	G	27	2.47	3.05	3.73	4.49	5.35	6.30	7.34	2.42	-	25	38
					32	2.28	2.83	3.46	4.18	4.99	5.88	6.88				
					38	2.05	2.56	3.14	3.80	4.54	5.38	6.30				
					43	1.86	2.33	2.86	3.47	4.17	4.95	5.82				
OP-MPIM046ML	114X4207	P00	A1+A2L	G	27	3.18	3.91	4.75	5.70	6.76	7.92	9.20	2.29	-	40	38
					32	2.93	3.62	4.40	5.29	6.28	7.38	8.60				
					38	2.63	3.25	3.97	4.79	5.71	6.73	7.86				
					43	2.38	2.95	3.61	4.36	5.21	6.17	7.22				

MBP
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz
E - Compressor 400V/3Ph/50Hz, fan 230V/1Ph/50Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (Mid Point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

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Optyma™ Plus - Performance data R454C MBP

Model	Code	Version	Refrigerant group	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)							EcoDesign (3)		Min Fuse rating gL/gG (A)	Sound pressure level @ 10m dB(A)
						Evaporating Temperature (Mid point) [°C]							COP	SEPR		
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C				
OP-MPIM046ML	114X4206	P00	A1+A2L	E	27	3.25	3.99	4.84	5.79	6.85	8.02	6.85	2.41	-	20	38
					32	2.99	3.68	4.47	5.36	6.35	7.46	6.35				
					38	2.66	3.30	4.02	4.83	5.74	6.75	5.74				
					43	2.39	2.97	3.63	4.38	5.23	6.17	5.23				
OP-MPIM057ML	114X4208	P00	A1+A2L	E	27	3.82	4.68	5.65	6.73	7.92	9.21	10.60	-	3.92	20	38
					32	3.48	4.29	5.20	6.20	7.30	8.52	9.83				
					38	3.08	3.81	4.63	5.55	6.57	7.69	8.90				
					43	2.73	3.40	4.16	5.00	5.94	6.97	8.10				
OP-MPIM057ML	114X4209	P00	A1+A2L	G	27	3.84	4.70	5.67	6.76	7.97	9.28	10.71	-	3.64	40	38
					32	3.53	4.33	5.23	6.24	7.36	8.60	9.93				
					38	3.16	3.88	4.69	5.61	6.62	7.75	8.98				
					43	2.85	3.49	4.23	5.07	6.00	7.02	8.17				
OP-MPIM068ML	114X4307	P00	A1+A2L	G	27	4.85	5.98	7.27	8.74	10.39	12.22	14.24	-	3.82	50	40
					32	4.47	5.52	6.74	8.12	9.68	11.41	13.32				
					38	4.00	4.97	6.09	7.36	8.80	10.41	12.20				
					43	3.60	4.50	5.53	6.71	8.05	9.56	11.24				
OP-MPIM068ML	114X4306	P00	A1+A2L	E	27	4.94	6.07	7.37	8.86	10.53	12.38	14.42	-	4.26	20	40
					32	4.55	5.61	6.83	8.22	9.80	11.55	13.49				
					38	4.08	5.05	6.17	7.45	8.90	10.53	12.35				
					43	3.68	4.57	5.60	6.78	8.14	9.67	11.38				
OP-MPIM080ML	114X4312	P00	A1+A2L	G	27	5.51	6.76	8.18	9.78	11.55	13.50	15.63	-	3.5	50	40
					32	5.11	6.28	7.60	9.10	10.76	12.59	14.61				
					38	4.61	5.68	6.90	8.27	9.79	11.48	13.33				
					43	4.19	5.18	6.29	7.55	8.97	10.54	12.26				
OP-MPIM080ML	114X4309	P00	A1+A2L	E	27	5.77	7.06	8.53	10.19	12.04	14.09	16.31	-	4.23	20	40
					32	5.30	6.51	7.89	9.45	11.19	13.10	15.23				
					38	4.74	5.84	7.10	8.53	10.14	11.92	13.90				
					43	4.27	5.28	6.44	7.76	9.25	10.91	12.77				
OP-MPIM108ML	114X4314	P00	A1+A2L	E	27	7.37	9.00	10.83	12.85	15.09	17.51	20.12	-	3.78	20	40
					32	6.76	8.27	9.97	11.85	13.94	16.21	18.67				
					38	6.01	7.38	8.91	10.63	12.52	14.62	16.88				
					43	5.38	6.62	8.02	9.59	11.33	13.26	15.37				

MBP

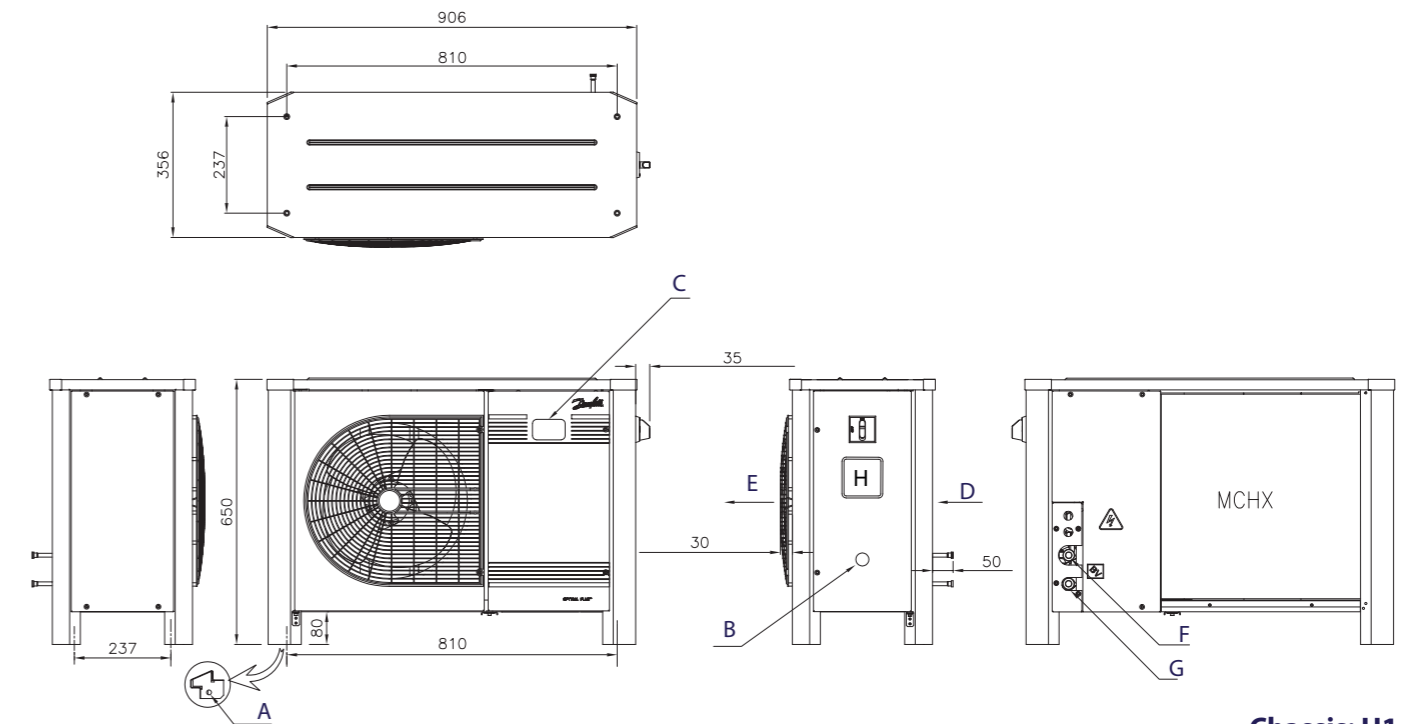
(1) G - Compressor 230V/1Ph/50Hz, fan 230V/1Ph/50Hz

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

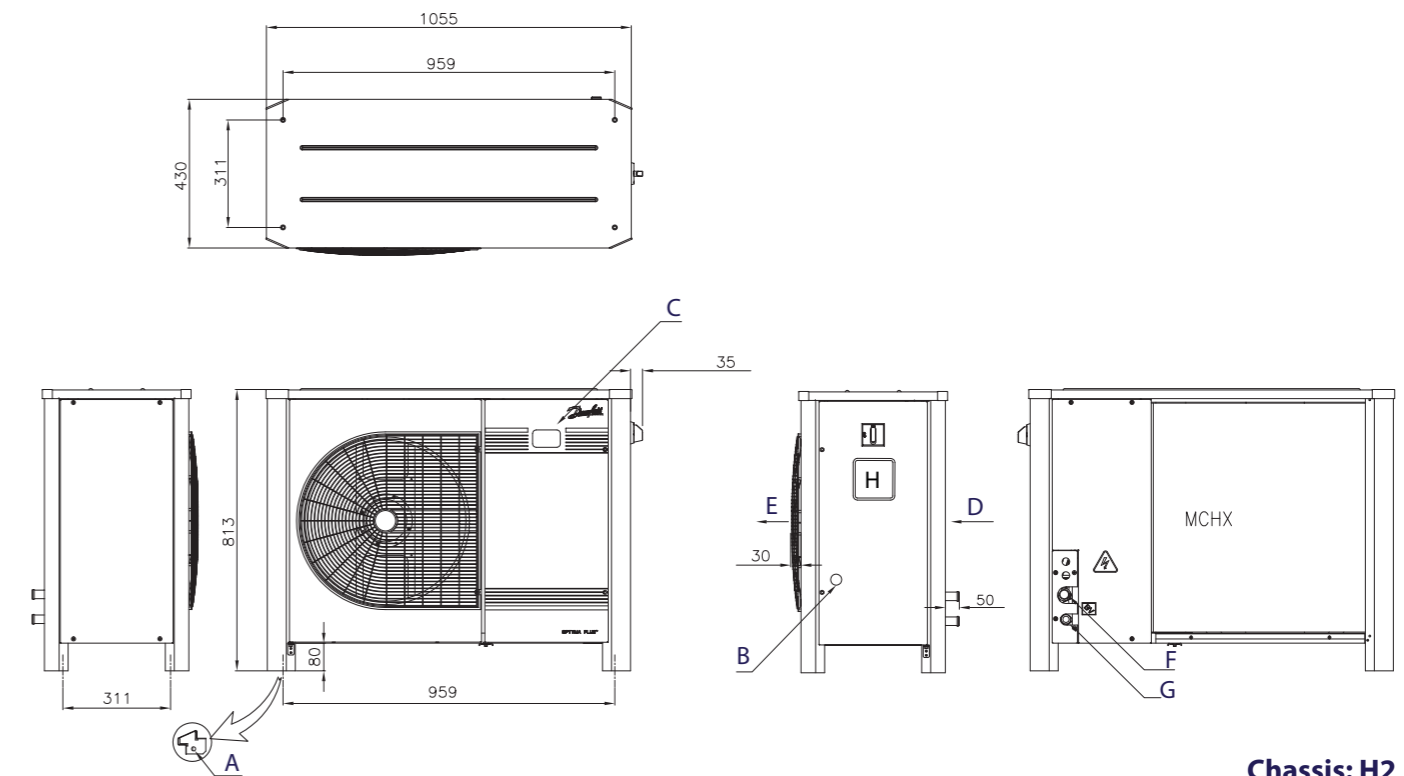
(2) Nominal conditions (EN13215), Evaporating temperatures at Mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (Mid Point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

Optyma™ Plus - Dimensions



Chassis: H1



Chassis: H2



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