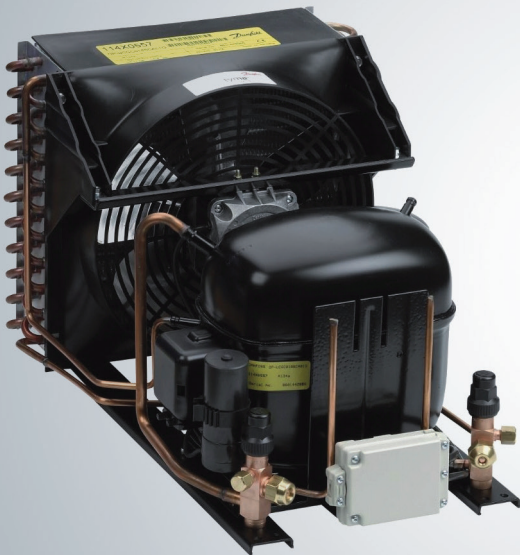


European Catalogue

Optyma™ Bare condensing units

R290, R452A, R134a/R513A, R448A, R449A, R407A, R407C, R407F, R404A/R507



Model	Code	Version	Compressor	Electrical code (1)	Tamb [°C]	Cooling capacity Q [kW] (2)								EcoDesign (3)				
						Te [°C]								Q [kW]	P [kW]	COP	SEPR	
						-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C					10°C
OP-MCGC010	114X0223	A04	SC10G	G	27	0.148	0.212	0.284	0.365	0.454	0.551	0.656	0.771	0.896				
					32	0.128	0.186	0.252	0.328	0.413	0.507	0.611	0.725	0.853	0.426	0.303	1.41	
					38	0.102	0.153	0.214	0.286	0.367	0.459	0.563	0.679	0.811				
					43	0.080	0.127	0.185	0.254	0.334	0.425	0.530	0.650					
OP-MCGC008	114X0352	A00	NL8.4MF	G	27			0.278	0.352	0.437	0.533	0.641	0.76	0.889				
					32			0.256	0.325	0.405	0.496	0.598	0.71	0.832	0.417	0.282	1.48	
					38			0.232	0.295	0.369	0.453	0.547	0.651	0.765				
					43			0.212	0.271	0.339	0.417	0.505	0.603	0.71				
OP-MCGC011	114X0336 114X0337 114X0339	A00 A01 A04	FR11G	G	27	0.163	0.241	0.322	0.406	0.499	0.600	0.715	0.844					
					32	0.153	0.223	0.296	0.374	0.460	0.557	0.666	0.793	0.473	0.337	1.41		
					38	0.136	0.198	0.263	0.334	0.414	0.505	0.611	0.734					
					43	0.121	0.177	0.236	0.302	0.377	0.465	0.568	0.690					
OP-MCGC012	114X0340 114X0341 114X0343	A00 A01 A04	SC12G	G	27	0.213	0.281	0.362	0.457	0.566	0.688	0.824	0.972	1.133				
					32	0.185	0.249	0.326	0.416	0.519	0.635	0.764	0.906	1.060	0.535	0.378	1.41	
					38	0.153	0.213	0.284	0.368	0.464	0.572	0.694	0.828	0.974				
					43	0.129	0.185	0.251	0.329	0.419	0.522	0.637	0.764					
OP-MCGC015	114X0448 114X0449 114X0451	A00 A01 A04	SC15G	G	27		0.323	0.427	0.552	0.694	0.854	1.029	1.218	1.418				
					32		0.294	0.397	0.515	0.650	0.800	0.963	1.138	1.323	0.670	0.463	1.45	
					38		0.252	0.353	0.466	0.592	0.730	0.879	1.039	1.207				
					43		0.213	0.312	0.421	0.540	0.669	0.807	0.954	1.109				
OP-MCGC018	114X0556 114X0557 114X0559	A00 A01 A04	SC18G	G	27		0.400	0.515	0.649	0.803	0.978	1.173	1.389	1.624				
					32		0.351	0.465	0.596	0.746	0.915	1.104	1.310	1.532	0.770	0.552	1.40	
					38		0.307	0.417	0.543	0.685	0.844	1.019	1.211	1.415				
					43		0.280	0.384	0.502	0.635	0.783	0.946	1.122					
OP-MCGC021	114X0564 114X0565 114X0567	A00 A01 A04	SC21G	G	27			0.623	0.773	0.945	1.137	1.350	1.583	1.833				
					32			0.578	0.720	0.881	1.063	1.264	1.483	1.720	0.910	0.647	1.410	
					38			0.524	0.655	0.804	0.972	1.159	1.364	1.585				
					43			0.480	0.601	0.740	0.897	1.072	1.263					
OP-MCGC021	114X0564 114X0565 114X0567	A00 A01 A04	SC21G	G	27		0.463	0.601	0.758	0.933	1.125	1.331	1.551	1.783				
					32		0.421	0.550	0.698	0.862	1.042	1.235	1.441	1.658	0.890	0.631	1.410	
					38		0.375	0.491	0.624	0.773	0.936	1.112	1.300	1.499				
					43		0.337	0.440	0.559	0.694	0.842	1.003	1.176	1.359				
OP-MCGC026	114X0773	A01	GS26MFX	G	27			0.873	1.125	1.416	1.745	2.113	2.519					
					32			0.809	1.045	1.317	1.625	1.970	2.350	1.352	0.766	1.77		
					38			0.736	0.953	1.202	1.485	1.801	2.151					
					43			0.675	0.877	1.108	1.369	1.662	1.986					
OP-MCGC034	114X0781	A01	GS34MFX	G	27			1.138	1.432	1.772	2.158	2.592	3.072					
					32			1.051	1.330	1.652	2.018	2.429	2.886	1.699	0.982	1.73		
					38			0.946	1.207	1.507	1.848	2.232	2.660					
					43			0.858	1.103	1.385	1.706	2.067	2.470					

MBP

(1) E - 400V-3ph-50Hz Compressor & 230V-1ph-50Hz Fan
 G - 230V-1ph-50Hz Compressor & 230V-1ph-50Hz Fan

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

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

COP: Coefficient Of Performance link to EN13215 and ErP (Energy related Products) 2009/125/CE

SEPR: Seasonal Energy Performance Ratio link to EN13215 and ErP (Energy Related Products) 2009/125/CE

Tamb [°C]: Ambient Temperature

Te [°C]: Evaporating Temperature

Q [kW]: Cooling Capacity in Kilo Watt

P [kW]: Power Input in Kilo Watt

Version

A00: Without valves and receiver for capillary tubes

A01: With receiver, 2stop valves, brackets and copper pipes for KP

A04: A01 + KP17 WB + FSA-kit + power cord

*R513A is priliminary



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



Designation	OP-MCGC008	OP-MCGC003	OP-MCGC004	OP-MCHC004	OP-MCHC010	OP-MCHC013	OP-MCHC018	OP-MCGC010	OP-MCGC021
Compressor Description	NL8.4MF	TL3G	TL4G	TL4DL	SC10MLX	SC12MLX	SC18MLX	SC10GX	SC21MF
A00	114X0204	114X0104	114X0108	114X0301	114X0403	114X0406			114X0568
A01	114X0205	114X0105	114X0109	114X0302	114X0404	114X0407	114X0702		
A04		114X0107	114X0111	114X0303	114X0405	114X0408	114X0703	114X0223	
Condenser coil type	BG2	BG1	BG1	BG3	BG4	BG4	BG7	BG2	BG4
Electrical code	G	G	G	G	G	G	G	G	G
Refrigerant	G	G	G	H	H	H	H	G	G

Spare Parts									
Compressor single pack	195B0371	195B0340	195B0570	195B0166	195B0345	195B0351	104L2139	103G6880	104G8120
Condenser	118U0029	118U0028	118U0028	118U0030	118U0031	118U0031	118U0055	118U0029	118U0031
Dual pressure switch	-	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393
Fan motor	118U0032	118U0032	118U0032	118U0033	118U1009	118U1009	118U1010	118U0032	118U0034
Fan guard	118U0042	118U0041	118U0041	118U0042	118U0044	118U0044	118U0407	-	118U0044
Receiver	118U0517	118U0517	118U0517	118U0523	118U0523	118U0523	118U0523	118U0517	-
Suction valve	118U0079	118U0485	118U0485	118U0485	118U0079	118U0079	118U0047	118U0079	-
Liquid valve	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	-

Electrical Characteristics									
LRA Compressor (A)	11.7	5.7	5.7	7.5	19.5	23.6	23.6	11.1	23.6
MCC Fan (A)	0.19	0.19	0.19	0.25	0.39	0.39	0.75	0.19	0.39

Designation	OP-MCGC021	OP-MCGC005	OP-MCGC006	OP-MCGC006	OP-MCGC007	OP-MCGC008	OP-MCGC007	OP-MCGC008	OP-MCGC011
Compressor Description	SC21G	TL5G	FR6G	NL6.1MF	FR7.5G	FR8.5G	NL7.3MF	NL8.4MF	FR11GX
A00	114X0564	114X0112	114X0200	114X0228	114X0216	114X0224	114X0244	114X0352	114X0336
A01	114X0565	114X0113	114X0201		114X0217	114X0225			114X0337
A04	114X0567	114X0115	114X0203		114X0219	114X0227			114X0339
Condenser coil type	BG4	BG1	BG2	BG2	BG2	BG2	BG2	BG2	BG3
Electrical code	G	G	G	G	G	G	G	G	G
Refrigerant	G	G	G	G	G	G	G	G	G

Spare Parts									
Compressor single pack	104G8140	102G4550	103G6660	105G6660	103G6681	103G6780	105G6772	105G6877	103G6980
Condenser	118U0031	118U0028	118U0029	118U0029	118U0029	118U0029	118U0029	118U0030	118U0030
Dual pressure switch	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393
Fan motor	118U0034	118U0032	118U0032	118U0032	118U0032	118U0032	118U0032	118U0033	118U0033
Fan guard	118U0044	118U0041	118U0042	118U0042	118U0042	-	118U0042	118U0043	118U0043
Receiver	118U0523	118U0517	118U0517	-	118U0517	118U0517	-	-	118U0523
Suction valve	118U0047	118U0485	118U0079	-	118U0079	118U0079	-	-	118U0079
Liquid valve	118U0045	118U0045	118U0045	-	118U0045	118U0045	-	-	118U0045

Electrical Characteristics									
LRA Compressor (A)	21.8	5.7	7.5	9.2	8.1	8.2	11.3	11.7	10
MCC Fan (A)	0.39	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.25

Designation	OP-MCGC012	OP-MCGC015	OP-MCGC018	OP-MCGC026	OP-MCGC034	OP-MCHC006	OP-MCHC015	OP-MCHC007	OP-MCHC021
Compressor Description	SC12GX	SC15GX	SC18G	G526MFX	G534MFX	FR6DLX	SC15MLX	NF7MLX	G521MLX
A00	114X0340	114X0448	114X0556			114X2316		114X2424	114X2765
A01	114X0341	114X0449	114X0557	114X0773	114X0781	114X2317	114X2649	114X2425	
A04	114X0343	114X0451	114X0559			114X2319	114X2651	114X2427	114X2767
Condenser coil type	BG3	BG4	BG4/5	BG7	BG7	BG3	BG6	BG4	BG7
Electrical code	G	G	G	G	G	G	G	G	G
Refrigerant	G	G	G	G	G	H	H	H	H

Spare Parts									
Compressor single pack	104G8240	104G8525	195B0548	107B0700	107B0701	103U2680	104L2869	105F3721	107B0502
Condenser	118U0030	118U0031	118U0031	118U0069	118U0069	118U0030	118U0068	118U0031	118U0069
Dual pressure switch	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393	060-5393
Fan motor	118U0033	118U0034	118U0034	118U0058	118U0058	118U0033	118U0035	118U0034	118U0058
Fan guard	-	-	-	-	-	118U0043	118U0066	118U0044	-
Receiver	118U0523	118U0523	118U0523	-	-	118U0523	118U0523	118U0523	-
Suction valve	118U0079	118U0079	118U0079	118U0079	118U0047	118U0079	118U0047	118U0079	118U0079
Liquid valve	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	118U0045	118U0079

Electrical Characteristics									
LRA Compressor (A)	12.6	14.8	20.4	20.2	25.7	10	23.5	20	24.4
MCC Fan (A)	0.25	0.39	0.39	0.75	0.75	0.25	0.48	0.39	0.75

MCC - Max Continuous Current
 LRA - Locked Rotor Amps
 Electrical code
 E : 400V-3ph-50Hz Compressor & 230V-1ph-50Hz Fan
 G : 230V-1ph-50Hz Compressor & 230V-1ph-50Hz Fan

Danfoss Cooling

is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spanning across three continents.



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

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