ENGINEERING
TOMORROW

Catalogue

Optyma™ Bare commercial condensing units

R404A/R507, R22 - 50Hz



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Optyma™
by **Danfoss**

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Reduce your customers' running costs

Danfoss Optyma™ condensing is a very energy-efficient solution for your application. Thanks to high efficiency fan motors, large heat transfer area and high COP of our compressors you are going to reduce the energy consumption significantly and therefore cut the energy bill.

Increase business opportunity with complete range of condensing units

With Danfoss Optyma™ cooling capacity almost has no limits. Thanks to wide range of condensing units for LBP and MBP applications, Danfoss Optyma™ condensing unit meets all your needs in refrigeration applications.

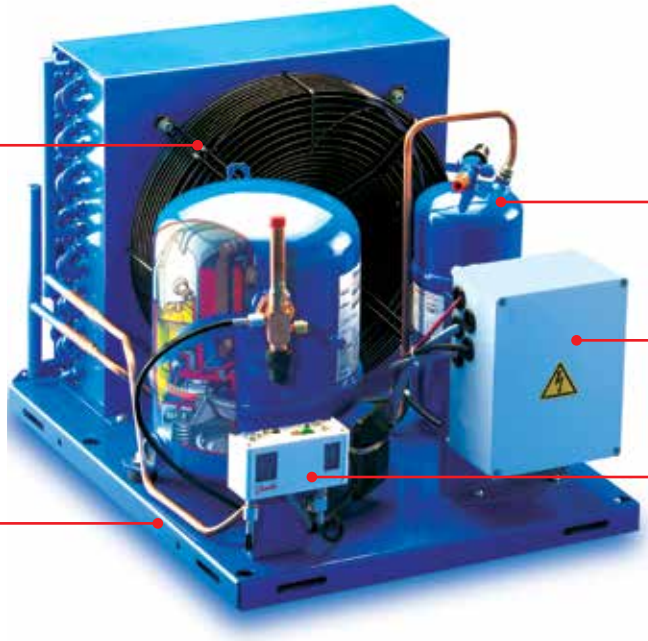
Installation just got easier

Easy service

Danfoss Optyma™ condensing unit saves costs for service and maintenance. The high robustness and easy access to all components, reduce costs for installation even in very harsh environments.

No compromise on quality

We at Danfoss do not accept any concessions regarding quality & reliability for our products. With Optyma™ we provide 100% factory tested units to our customers with a premium quality.



Bare commercial unit

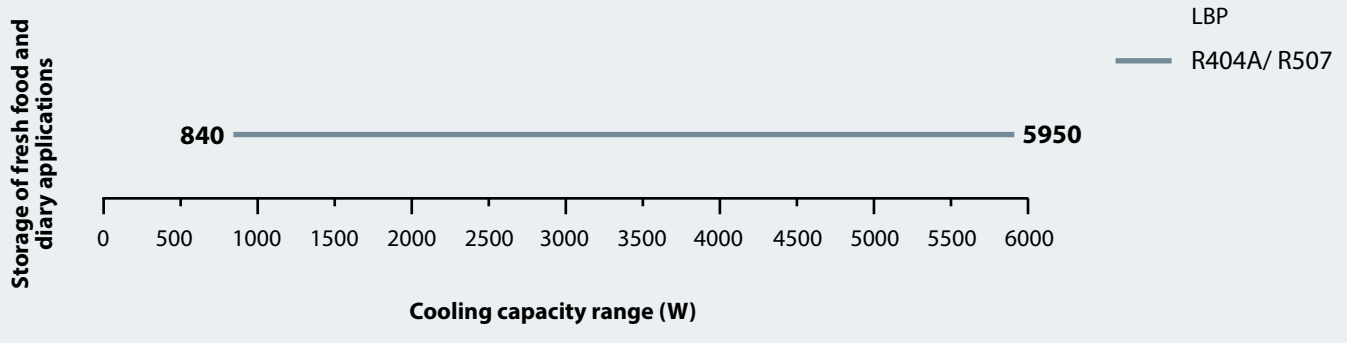
For more information related to EcoDesign compliance, please refer to Coolselector®
coolselector.danfoss.com or contact Danfoss

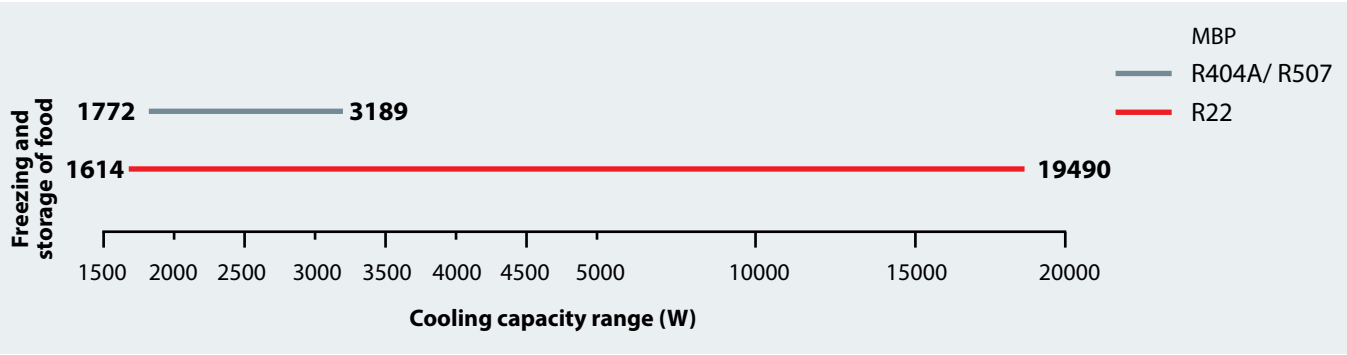
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Main product features

- Powder coated steel parts and crankcase heater as standard
- High efficiency with optimized compressors
- Service valves with access ports and access valves/ stubs for easy connection
- 100% factory tested

Capacity & Operating range





LBP Rating conditions : EN13215, Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K.
MBP Rating conditions : EN13215, Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K.

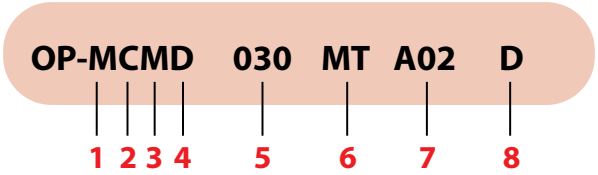
Optyma™ units can work in the following evaporating temperature range:

LBP R404A/R507	-40°C to -10°C
MBP R404A/R507	-20°C to +10°C
MBP R22	-20°C to +10°C

For further detailed information, please contact Danfoss or use dedicated software.

Designation system for the Optyma™ standard program

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



1 Application	**M** = Medium temperature application (MBP) **L** = Low temperature application(LBP)
2 Design	**C =** Air cooled condensing unit with 1 fan and hermetic compressor **G** = Air cooled condensing unit with 2 fan and hermetic compressor
3 Refrigerant	**Q** = R452A/R404A/R507 **Z** = R404A/R134a/R507/R407C/R407A/R407F **M** = R22
4 Condenser	**C** = Standard **D** = Large **E** = Extra large
5 Displacement	Displacement in cm^3
6 Compressor platform	**NT** = NTZ (Maneurope compressor) **MT** = MTZ (Maneurope compressor)
7 Version	**A02** = Basic with bracket and flexible hoses for KP + KP 17WB universal pressure switch
8 Voltage code	**D** = Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz **G** = Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz **E** = Compressor 400 V / 3ph. / 50 Hz fan 230 V / 1ph. / 50 Hz

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Unit	Code number	Electrical code [1]	Version	Compressor	Tamb [°C]	Cooling capacity Q [kW] [2] Te [°C] -40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	COP [3]
OP-LCQE048	114X5139	D	A02	NTZ048-4	38	0.459	0.691	0.945	1.215	1.496	1.782	2.07	
					43	0.363	0.57	0.795	1.031	1.275	1.521	-	0.93
					46	-	0.5	0.707	0.923	1.145	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQC048	114X5096	G	A02	NTZ048-5	38	0.436	0.686	0.976	1.301	1.657	2.037	2.434	
					43	0.325	0.549	0.807	1.095	1.409	-	-	0.86
					46	-	-	-	-	-	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQC068	114X5083	D	A02	NTZ068-4	38	0.768	1.052	1.35	1.649	1.938	2.201	2.699	
					43	0.639	0.891	1.149	1.404	1.641	-	-	0.87
					46	-	0.797	1.031	1.257	1.545	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQC096	114X5084	D	A02	NTZ096-4	38	0.852	1.187	1.566	1.975	2.395	2.804	3.316	
					43	0.667	0.958	1.286	1.639	1.999	-	-	0.93
					46	-	0.826	1.124	1.442	1.765	-	-	
					48	-	-	-	-	-	-	-	
OP-LCQD108	114X5147	D	A02	NTZ108-4	38	1.234	1.796	2.446	3.175	3.975	4.833	5.736	
					43	0.985	1.49	2.067	2.713	3.418	-	-	1.12
					46	-	1.31	1.844	2.439	3.087	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQD136	114X5148	D	A02	NTZ136-4	38	1.802	2.553	3.451	4.503	5.715	7.089	8.624	
					43	1.487	2.161	2.965	3.907	4.995	-	-	1.06
					46	-	1.93	2.676	3.552	4.564	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQE215	114X5144	D	A02	NTZ215-4	38	2.524	3.666	4.975	6.454	8.099	9.904	11.86	
					43	1.974	3.004	4.179	5.502	6.973	-	-	0.99
					46	-	2.612	3.704	4.931	6.294	-	-	
					48	-	-	-	-	-	-	-	
OP-LGQD271	114X5149	D	A02	NTZ271-4	38	3.605	5.006	6.594	8.359	10.28	12.35	14.54	
					43	2.979	4.224	5.63	7.188	8.886	-	-	1.03
					46	-	3.761	5.054	6.486	8.045	-	-	
					48	-	-	-	-	-	-	-	

LBP
(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K
(3) Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

For regular updates please refer to **Coolselector®2** www.coolselector.danfoss.com

Unit	Code number	Electrical code [1]	Version	Compressor	Tamb [°C]	Cooling capacity Q [kW] [2] Te [°C] -20°C	-15°C	-10°C	-5°C	0°C	5°C	COP [3]
OP-MGZD030	114X5076	G	A02	MTZ018-5	38	0.922	1.231	1.572	1.938	2.325	2.726	1.41
					43	0.795	1.067	1.365	1.687	2.027	-	
					46	0.719	0.969	1.242	1.537	-	-	
					48	0.669	0.904	1.161	-	-	-	
OP-MCZC038	114X5025	G	A02	MTZ022	38	1.194	1.528	1.888	2.263	2.646	3.026	1.41
					43	1.015	1.305	1.617	1.942	2.273	-	
					46	0.91	1.174	1.456	1.751	-	-	
					48	-	-	-	-	-	-	
OP-MGZD038	114X5047	D	A02	MTZ022-4	38	1.195	1.529	1.889	2.265	2.649	3.03	1.41
					43	1.016	1.306	1.618	1.944	2.276	-	
					46	0.911	1.175	1.457	1.753	-	-	
					48	0.843	1.088	1.351	1.625	-	-	
OP-MCZC048	114X5026	G	A02	MTZ028	38	1.579	2.04	2.531	3.042	3.566	4.094	1.46
					43	1.34	1.753	2.189	2.643	3.107	-	
					46	1.2	1.583	1.988	2.407	-	-	
					48	-	-	-	-	-	-	
OP-MGZD048	114X5048	D	A02	MTZ028-4	38	1.554	2.004	2.479	2.972	3.473	3.973	1.42
					43	1.317	1.719	2.142	2.578	3.02	-	
					46	1.179	1.552	1.942	2.344	-	-	
					48	1.089	1.442	1.811	2.189	-	-	
OP-MGZD054	114X5079	G	A02	MTZ032-5	38	1.806	2.258	2.726	3.201	3.67	4.124	1.41
					43	1.539	1.936	2.344	2.755	3.159	-	
					46	1.382	1.745	2.117	2.489	-	-	
					48	1.279	1.619	1.966	2.312	-	-	
OP-MGZD054	114X5049	D	A02	MTZ032-4	38	1.794	2.241	2.703	3.17	3.63	4.073	1.4
					43	1.529	1.921	2.323	2.727	3.122	-	
					46	1.373	1.731	2.097	2.462	-	-	
					48	1.27	1.606	1.947	2.286	-	-	
OP-MGZD060	114X5050	D	A02	MTZ036-4	38	2.288	2.858	3.452	4.058	4.665	5.263	1.4
					43	1.969	2.473	2.995	3.522	4.048	-	
					46	1.777	2.243	2.72	3.201	-	-	
					48	1.65	2.089	2.537	2.987	-	-	
OP-MGZD068	114X5051	D	A02	MTZ040-4	38	3.103	3.92	4.817	5.791	6.833	7.935	1.78
					43	2.715	3.448	4.25	5.117	6.044	-	
					46	2.481	3.162	3.905	4.708	-	-	
					48	2.323	2.97	3.675	4.434	-	-	
OP-MGZD086	114X5052	D	A02	MTZ050-4	38	3.364	4.322	5.394	6.571	7.842	9.193	1.84
					43	2.915	3.768	4.723	5.775	6.913	-	
					46	2.652	3.442	4.327	5.302	-	-	
					48	2.48	3.227	4.065	4.989	-	-	
OP-MGZD108	114X5054	D	A02	MTZ064-4	38	4.147	5.292	6.564	7.952	9.441	11.01	1.77
					43	3.578	4.599	5.732	6.971	8.303	-	
					46	3.24	4.186	5.236	6.384	-	-	
					48	3.018	3.913	4.907	5.994	-	-	
OP-MGZD121	114X5055	D	A02	MTZ072-4	38	4.561	5.758	7.076	8.498	10	11.57	1.71
					43	3.965	5.028	6.199	7.466	8.811	-	
					46	3.616	4.597	5.679	6.851	-	-	
					48	3.386	4.312	5.334	6.443	-	-	
OP-MGZD136	114X5056	D	A02	MTZ080-4	38	5.968	7.529	9.265	11.17	13.22	15.42	1.7
					43	5.234	6.638	8.197	9.906	11.76	-	
					46	4.799	6.107	7.558	9.15	-	-	
					48	4.51	5.753	7.132	8.646	-	-	

MBP

(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
G - Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
E - Compressor 400 V / 3ph. / 50 Hz fan 230 V / 1ph. / 50 Hz

(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

For regular updates please refer to **Coolselector®2** www.coolselector.danfoss.com

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Unit	Code number	Electrical code [1]	Version	Compressor	Tamb [°C]	Cooling capacity Q [kW] [2] Te [°C] -20°C	-15°C	-10°C	-5°C	0°C	5°C	COP [3]
OP-MGZD171	114X5057	D	A02	MTZ100-4	38	6.724	8.657	10.79	13.11	15.59	18.2	1.69
					43	5.827	7.568	9.478	11.55	13.75	-	
					46	5.283	6.909	8.686	10.61	-	-	
					48	4.916	6.467	8.157	9.978	-	-	
OP-MGZD215	114X5118	E	A02	MTZ125-4	38	8.779	11.17	13.86	16.83	20.07	23.54	1.72
					43	7.661	9.79	12.2	14.86	17.78	-	
					46	7.01	8.981	11.21	13.7	-	-	
					48	6.582	8.448	10.56	12.92	-	-	
OP-MGZD242	114X5800	E	A02	MTZ144-4	38	10.19	12.77	15.61	18.67	21.94	25.37	1.69
					43	8.886	11.18	13.71	16.44	19.36	-	
					46	8.111	10.24	12.57	15.1	-	-	
					48	7.598	9.609	11.82	14.21	-	-	
OP-MGZD271	114X5117	D	A02	MTZ160-4	38	11.49	14.45	17.73	21.31	25.16	29.23	1.74
					43	10.05	12.7	15.64	18.84	22.29	-	
					46	9.195	11.66	14.38	17.36	-	-	
						8.628	10.96	13.54	16.37	-	-	

MBP

(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
G - Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
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(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K
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Unit	Code number	Electrical code [1]	Version	Compressor	Tamb [°C]	Cooling capacity Q [kW] [2] Te [°C] -20°C	-15°C	-10°C	-5°C	0°C	5°C	COP [3]
OP-MCMD030	114X5198 114X5211	D G	A02	MT018-4 MT018-5	38	0.79	1.089	1.43	1.81	2.221	2.656	1.49
					43	-	0.973	1.279	1.619	1.987	2.377	
					46	-	-	1.19	1.505	1.846	-	
					48	-	-	1.13	1.429	1.752	-	
OP-MCMD038	114X5199 114X5212	D G	A02	MT022-4 MT022-5	38	1.062	1.487	1.944	2.426	2.925	3.432	1.53
					43	0.896	1.295	1.72	2.166	2.625	3.089	
					46	-	1.181	1.587	2.01	2.445	2.898	
					48	-	-	-	-	-	-	
OP-MCMD048	114X5200 114X5213	D G	A02	MT028-4 MT028-5	38	1.859	2.461	3.109	3.795	4.509	5.241	1.74
					43	-	2.206	2.814	3.452	4.114	4.787	
					46	-	-	2.634	3.244	3.873	4.511	
					48	-	-	2.513	3.104	3.711	4.325	
OP-MCMD054	114X5201 114X5214	D G	A02	MT032-4 MT032-5	38	1.987	2.641	3.364	4.15	4.991	5.876	1.6
					43	1.778	2.401	3.084	3.823	4.609	5.432	
					46	-	2.266	2.924	3.633	4.385	5.169	
					48	-	-	-	-	-	-	
OP-MCMD060	114X5202 114X5266	D G	A02	MT036-4 MT036-5	38	2.572	3.385	4.271	5.223	6.233	7.294	1.87
					43	-	3.042	3.881	4.779	5.729	6.721	
					46	-	-	3.645	4.509	5.421	6.372	
					48	-	-	3.486	4.328	5.214	6.136	
OP-MCME068	114X5203	D	A02	MT040-4	38	2.742	3.647	4.652	5.758	6.964	8.265	1.81
					43	2.398	3.279	4.254	5.325	6.489	7.741	
					46	-	-	4.016	5.065	6.203	-	
					48	-	-	3.858	4.892	6.012	-	
OP-MCMD086	114X5204	D	A02	MT050-4	38	2.896	3.897	5.008	6.214	7.5	8.848	1.78
					43	2.578	3.506	4.534	5.648	6.836	8.082	
					46	-	-	4.258	5.317	6.445	-	
					48	-	-	4.078	5.1	6.189	-	
OP-MCMD108	114X5801	E	A02	MT064-4	38	4.24	5.60	7.14	8.85	10.71	12.72	1.84
					43	3.81	5.09	6.53	8.12	9.86	11.73	
					46	-	-	6.17	7.69	9.35	-	
					48	-	-	5.93	7.69	9.02	-	
OP-MGME136	114X5206	D	A02	MT080-4	38	5.692	7.534	9.586	11.84	14.29	16.91	1.81
					43	5.136	6.874	8.802	10.91	13.2	15.64	
					46	-	-	8.333	10.36	12.54	-	
					48	-	-	8.023	9.988	12.11	-	
OP-MGMD171	114X5207	D	A02	MT100-4	38	5.978	7.902	10.1	12.56	15.28	18.23	1.66
					43	5.322	7.145	9.214	11.53	14.07	16.83	
					46	-	-	-	-	-	-	
					48	-	-	-	-	-	-	
OP-MGME215	114X5242	E	A02	MT125-4	38	8.60	11.18	14.10	17.36	20.95	24.85	1.76
					43	7.80	10.20	12.91	15.93	19.25	-	
					46	-	-	12.22	15.09	18.23	-	
					48	-	-	11.77	14.53	17.55	-	
OP-MGMD242	114X5802	E	A02	MT144-4	38	9.60	12.38	15.52	19.01	22.83	26.93	1.74
					43	8.70	11.28	14.18	17.38	20.88	24.64	
					46	-	-	-	-	-	-	
					48	-	-	-	-	-	-	

MBP

(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
G - Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
E - Compressor 400 V / 3ph. / 50 Hz fan 230 V / 1ph. / 50 Hz

(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

For regular updates please refer to **Coolselector®2** www.coolselector.danfoss.com

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Unit	Code number	Electrical code [1]	Version	Compressor	Tamb [°C]	Cooling capacity Q [kW] [2] Te [°C]						COP [3]
						-20°C	-15°C	-10°C	-5°C	0°C	5°C	
OP-MGMD271	114X5210	D	A02	MT160-4	38	10.91	14.06	17.66	21.7	26.17	31.04	1.83
					43	9.906	12.84	16.17	19.9	24.02	28.51	
					46	-	-	-	-	-	-	
					48	-	-	-	-	-	-	

MBP

(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
G - Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
E - Compressor 400 V / 3ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
(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

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Application	Code number	Model number	Electrical code (1)	Compressor model	Refrigerant (2)	HP	Condenser coil			Fan		Receiver	Dimensions				Connection		Weight	
							Type	Airflow	Internal volume	Number	Blade ø	Volume	Figure	Height	Width	Length	Suction line	Liquid line	Gross	Net
	A02							(m^3/h)	(dm^3)		(mm)	(L)		mm	mm	mm	inch	inch	Kg	Kg
LBP	114X5139	OP-LCQE048	D	NTZ048-4	Q	2 1/2	B4	1750	0.8	1	350	3	3	451	500	600	5/8	3/8	53	45
LBP	114X5096	OP-LGQC048	G	NTZ048-5	Q	2 1/2	C3	1300	1.0	2	254	3	5	402	700	500	5/8	3/8	59	51.5
LBP	114X5083	OP-LGQC068	D	NTZ068-4	Q	3 1/2	D3	2800	0.9	2	300	6	6	442	800	600	5/8	1/2	63.5	56
LBP	114X5084	OP-LGQC096	D	NTZ096-4	Q	5	E3	2600	1.4	2	300	6	6	442	800	600	7/8	1/2	60	50.8
LBP	114X5147	OP-LCQD108	D	NTZ108-4	Q	5 1/2	F4	3 600	3.1	1	400	8	8	656	755	700	7/8	1/2	87	79
LBP	114X5148	OP-LGQD136	D	NTZ136-4	Q	7	H3	3 600	2.9	2	355	10	5	555	1000	700	7/8	1/2	103	95
LBP	114X5144	OP-LGQE215	D	NTZ215-4	Q	10	L3	8600	5.1	2	450	14	9	671	1200	800	1 1/8	5/8	154	146
LBP	114X5149	OP-LGQD271	D	NTZ271-4	Q	13	M3	8200	4.3	2	450	14	9	671	1200	800	1 1/8	5/8	161	153
MBP	114X5211	OP-MCMD030	G	MT018-5	M	1 1/2	A4	1200	0.7	1	300	3	1	402	500	600	1/2	3/8	53	45
MBP	114X5198	OP-MCMD030	D	MT018-5	M	1 1/2	A4	1200	0.7	1	300	3	1	402	500	600	1/2	3/8	53	45
MBP	114X5212	OP-MCMD038	G	MT022-5	M	1 3/4	B4	1750	0.8	1	350	3	3	451	500	600	1/2	1/2	55	47
MBP	114X5199	OP-MCMD038	D	MT022-5	M	1 3/4	B4	1750	0.8	1	350	3	3	451	500	600	1/2	1/2	53	45
MBP	114X5213	OP-MCMD048	G	MT028-5	M	2	D4	2000	1.8	1	350	6	7	605	630	650	1/2	1/2	69	61
MBP	114X5200	OP-MCMD048	D	MT028-5	M	2	D4	2000	1.8	1	350	6	7	605	630	650	1/2	1/2	67	59
MBP	114X5214	OP-MCMD054	G	MT032-5	M	2 1/2	E4	3150	2.5	1	400	6	4	555	630	650	5/8	1/2	71	63
MBP	114X5201	OP-MCMD054	D	MT032-5	M	2 1/2	E4	3150	2.5	1	400	6	4	555	630	650	5/8	1/2	68	60
MBP	114X5266	OP-MCMD060	G	MT036-5	M	3	F4	3300	3.1	1	400	8	8	656	755	700	5/8	1/2	81	73
MBP	114X5202	OP-MCMD060	D	MT036-5	M	3	F4	3300	3.1	1	400	8	8	656	755	700	5/8	1/2	71	63
MBP	114X5203	OP-MCME068	D	MT040-4	M	3 1/2	G4	3150	4.1	1	400	8	8	656	755	700	5/8	1/2	81	73
MBP	114X5204	OP-MCMD086	D	MT050-4	M	4	G4	3150	4.1	1	400	8	8	656	755	700	7/8	1/2	82	74
MBP	114X5801	OP-MCMD108	E	MT064-4	M	5.5	J4	9200	4.4	1	500	10	10	759	900	900	7/8	1/2	124	106
MBP	114X5206	OP-MGME136	D	MT080-4	M	6 1/2	L3	8600	5.1	2	450	10	9	671	1200	800	7/8	1/2	131	123
MBP	114X5207	OP-MGMD171	D	MT100-4	M	8 1/2	L3	8600	5.1	2	450	14	9	671	1200	800	1 1/8	5/8	155	147
MBP	114X5242	OP-MGME215	E	MT125-4	M	10	N4	9200	7	2	500	14	11	759	1350	820	1 1/8	5/8	176	168
MBP	114X5802	OP-MGMD242	E	MT144-4	M	12	N4	9200	7	2	500	14	11	759	1350	820	1 1/8	5/8	189	181
MBP	114X5210	OP-MGMD271	D	MT160-4	M	13 1/2	V	14000	8.1	2	600	14	12	975	1500	870	1 1/8	5/8	216	208
MBP	114X5076	OP-MGZD030	G	MTZ018-5	Z	1 1/2	C3	1300	1.0	2	254	3	6	595	825	635	1 1/2"	1 3/8"	59	51
MBP	114X5025	OP-MCZC038	G	MTZ022	Z	1 3/4	B4	1750	0.8	1	350	3	3	442	500	600	1/2"	3/8"	56	48
MBP	114X5047	OP-MGZD038	D	MTZ022-4	Z	1 3/4	D3	2800	0.9	2	300	6	6	442	800	600	1/2"	1/2"	54.5	46.8
MBP	114X5026	OP-MCZC048	G	MTZ028	Z	2	C4	2150	1.4	1	350	6	4	555	630	650	1/2"	1/2"	66	58
MBP	114X5048	OP-MCZD048	D	MTZ028-4	Z	2	E3	2600	1.4	2	300	6	6	442	800	600	1/2"	1/2"	72.0	64.5
MBP	114X5079	OP-MGZD054	G	MTZ032-5	Z	2 1/2	E3	1200	1.4	2	300	6	6	595	825	635	1 1/2"	1 1/4"	70	62
MBP	114X5049	OP-MGZD054	D	MTZ032-4	Z	2 1/2	E3	1200	1.4	2	300	6	6	595	825	635	1 1/4	1/2"	109	101
MBP	114X5050	OP-MGZD060	D	MTZ036-4	Z	3	H3	4600	2.9	2	350	8	5	555	1000	700	5/8	1/2"	87.0	79.5
MBP	114X5051	OP-MGZD068	D	MTZ040-4	Z	3 1/2	H3	3600	2.9	2	350	8	6	595	825	635	1 1/4	1/2"	98	90
MBP	114X5052	OP-MGZD086	D	MTZ050-4	Z	4	H3	3600	2.9	2	350	8	10	710	1020	730	1 3/4"	1 1/4"	104	96
MBP	114X5054	OP-MGZD108	D	MTZ064-4	Z	5 1/2	J3	3600	2.9	2	400	10	10	710	1020	730	1 3/4"	1 1/4"	109	101
MBP	114X5055	OP-MGZD121	D	MTZ072-4	Z	6	J3	5400	2.9	2	400	10	5	555	1000	700	7/8	1/2"	111.5	104.0
MBP	114X5056	OP-MGZD136	D	MTZ080-4	Z	6 1/2	L3	8600	3.1	2	450	10	9	671	1200	800	1 1/8"	1/2"	132.0	124.5
MBP	114X5057	OP-MGZD171	D	MTZ100-4	Z	8 1/2	M3	8200	4.3	2	450	14	9	671	1200	800	1 3/4"	1 1/4"	156	148
MBP	114X5118	OP-MGZD215	E	MTZ125-4	Z	10	N4	9200	7	2	500	14	11	759	1350	820	1 1/8	5/8	187	179
MBP	114X5800	OP-MGZD242	E	MTZ144-4	Z	12	N4	9200	7	2	500	14	11	759	1350	820	1 1/8	5/8	200.5	192.5
MBP	114X5117	OP-MGZD271	D	MTZ160-4	Z	13 1/2	V	14000	8.0	2	630	14	12	975	1500	870	1 1/8	5/8	218.5	210.5

(1) D - Compressor 400 V / 3ph. / 50 Hz fan 400 V / 3ph. / 50 Hz
G - Compressor 230 V / 1ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
E - Compressor 400 V / 3ph. / 50 Hz fan 230 V / 1ph. / 50 Hz
(2) Q - R452A/R404A/R507
Z - R404A/R134a/R507/R407C/R407A/R407F
M - R22

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Designation	OP-LCQE048	OP-LGQC048	OP-LGQC068	OP-LCQD096	OP-LCQD108	OP-LGQD136	OP-LGQE215	OP-LGQD271
Code Number	114X5139	114X5096	114X5083	114X5084	114X5147	114X5148	114X5144	114X5149
Compressor Description	NTZ048	NTZ048	NTZ068	NTZ096	NTZ108	NTZ136	NTZ215	NTZ271
Condenser coil type	B4	C3	D3	E3	F4	H3	L3	M3
Electrical Code	D	G	D	D	D	D	D	D
Refrigerant	Q	Q	Q	Q	Q	Q	Q	Q
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02	A02	A02
Spare Parts								
Compressor single pack	120F0226	120F0228	120F0230	120F0234	120F0238	120F0236	120F0240	120F0242
Condenser	118U8001	8174036	8174037	8174038	118U8005	8174041	8174044	8174045
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766	060-539766
Fan assembly	8176046	8176018	8176044	8176044	8176048	8176046	8168183	8176048
Filter drier type	023Z4562	023Z4562	023Z4562	023Z4562	023Z4562	023Z4562	023Z4581	023Z4581
Receiver	8168179	8168179	8168180	8168180	8168181	8168181	8168183	8168183
Rotalock valve discharge	7968012	7968012	7968014	7968014	7968014	7968014	7968015	7968015
Rotalock valve suction	7968014	7968014	7968015	7968017	7968017	7968017	7968018	7968018
Sight glass	014-0182	014-0182	014-0182	014-0182	014-0182	014-0182	014-0184	014-0184
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS
Solenoid valve	EVR6	EVR6	EVR10	EVR10	EVR10	EVR10	EVR15	EVR15
Electrical Characteristics								
MCC Compressor (A)	4.8	11	8.4	10.1	12.1	14.3	22.3	27
LRA compressor (A)	16	37	25	32	45	51	74	96
MCC Fan (A)	0.5	0.43	0.82	0.7	0.7	2x0.5	2x1.05	2x1.05
Fan power (W) (Single)	170	75	155	135	135	170	480	480

MCC - Max Continuous Current
LRA - Locked Rotor Amps

Designation	OP-MCMD030	OP-MCMD030	OP-MCMD038	OP-MCMD038	OP-MCMD048	OP-MCMD048	OP-MCMD054
Code Number	114X5211	114X5198	114X5212	114X5199	114X5213	114X5200	114X5214
Compressor Description	MT18	MT18	MT22	MT22	MT28	MT28	MT32
Condenser coil type	A4	A4	B4	B4	D4	D4	E4
Electrical Code	G	D	G	D	G	D	G
Refrigerant	M	M	M	M	M	M	M
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02	A02
Spare Parts							
Compressor single pack	MT18-5VI	MT18-4VI	MT22-5VI	MT22-4VI	MT28-5VI	MT28-4VI	MT32-5VI
Condenser	118U8000	118U8000	118U8001	118U8001	118U8003	118U8003	118U8004
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366
Fan assembly	8176043	8176044	8176045	8176046	8176045	8176046	8176047
Filter drier type	023Z4562	023Z4562	023Z4562	023Z4562	023Z4567	023Z4567	023Z4567
Receiver	8168179	8168179	8168179	8168179	8168180	8168180	8168180
Rotalock valve discharge	7968013	7968013	7968013	7968013	7968013	7968013	7968013
Rotalock valve suction	7968012	7968012	7968012	7968012	7968013	7968013	7968014
Sight glass	014-0182	014-0182	014-0182	014-0182	014-0183	014-0183	014-0183
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS	RGE-Z1L4-7DS
Solenoid valve	EVR6	EVR6	EVR6	EVR6	EVR10	EVR10	EVR10
Electrical Characteristics							
MCC Compressor (A)	10	5	15	6	20	7.5	20
LRA compressor (A)	40	20	21	20	51	29	70
MCC Fan (A)	0.35	0.82	0.5	1.22	0.5	1.22	0.7
Fan power (W)	72	155	130	220	130	220	160

Designation	OP-MCMD054	OP-MCMD060	OP-MCMD060	OP-MCME068	OP-MCMD086	OP-MGME136	OP-MGMD171
Code Number	114X5201	114X5266	114X5202	114X5203	114X5204	114X5206	114X5207
Compressor Description	MT32	MT36	MT36	MT40	MT51	MT81	MT100
Condenser coil type	E4	F4	F4	G4	G4	L3	L3
Electrical Code	D	G	D	D	D	D	D
Refrigerant	M	M	M	M	M	M	M
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02	A02
Spare Parts							
Compressor single pack	MT32-4VI	MT36-5VI	MT36-4VI	MT40-4VI	MT51-4VI	MT81-4VI	MT100-4VI
Condenser	118U8004	118U8005	118U8005	118U8006	118U8006	8174044	8174044
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366
Fan assembly	8176048	8176047	8176048	8176048	8176048	8176069	8176069
Filter drier type	023Z4567	023Z4567	023Z4567	023Z4567	023Z4567	023Z4567	023Z4581
Receiver	8168180	8168181	8168181	8168181	8168181	8168182	8168183
Rotalock valve discharge	7968013	7968013	7968013	7968013	7968014	7968015	7968015
Rotalock valve suction	7968014	7968014	7968014	7968014	7968017	7968018	7968018
Sight glass	014-0183	014-0183	014-0183	014-0183	014-0183	014-0183	014-0184
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	RGE-Z1L4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS	RGE-Z1N4-7DS
Solenoid valve	EVR10	EVR10	EVR10	EVR10	EVR10	EVR10	EVR15
Electrical Characteristics							
MCC Compressor (A)	8	22	9	10	11.5	19	22
LRA compressor (A)	25	60	38	38	48.5	80	90
MCC Fan (A)	0.7	0.7	0.7	0.7	0.7	2x1.05	2x1.05
Fan power (W)	135	160	135	135	135	740	740

MCC - Max Continuous Current
LRA - Locked Rotor Amps

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Designation	OP-MGME215	OP-MGMD242	OP-MGMD271	OP-MGZD030	OP-MCZC038	OP-MCZC038	OP-MCZC048
Code Number	114X5242	114X5802	114X5210	114X5076	114X5025	114X5047	114X5026
Compressor Description	MT125	MT144	MT160	MTZ018	MTZ022	MTZ022	MTZ028
Condenser coil type	N4	N4	V	C3	B4	D3	C4
Electrical Code	E	E	D	G	G	D	G
Refrigerant	M	M	M	Z	Z	Z	Z
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02	A02
Spare Parts							
Compressor single pack	MT125-VI	MT144-4VI	MT160-4VI	MTZ18-5VI	MTZ22-5VI	MTZ22-4VI	MTZ28-5VI
Condenser	118U8012	118U8012	118U0375	8174036	118U8001	8174037	118U8002
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366
Fan assembly	118U8023	118U8023	8176099	8176018	8176045	8176044	8176045
Filter drier type	023Z4581	023Z4581	023Z4581	023Z4562	023Z4562	023Z4562	023Z4572
Receiver	8168183	8168183	8168183	8168179	8168179	8168179	8168180
Rotalock valve discharge	7968016	7968016	7968016	7968012	7968012	7968012	7968013
Rotalock valve suction	7968018	7968018	7968018	7968013	7968013	7968013	7968013
Sight glass	014-0184	014-0184	014-0184	014-0182	014-0182	014-0182	014-0183
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	061H3005	061H3005	RGE-Z1Q4-7DS	061H3005	061H3005	061H3005	061H3005
Solenoid valve	EVR15	EVR15	EVR15	EVR 3	EVR 3	EVR 3	EVR 3
Electrical Characteristics							
MCC Compressor (A)	27	30	36	10	15	6	20
LRA compressor (A)	105	115	140	40	41	20	51
MCC Fan (A)	2 x 3	2 x 3	2x1.6	0.73	0.73	0.82	0.73
Fan power (W)	680	680	810	130	130	155	130

Designation	OP-MGZD048	OP-MGZD054	OP-MGZD054	OP-MGZD060	OP-MGZD068	OP-MGZD086	OP-MGZD108	OP-MCMD108
Code Number	114X5048	114X5079	114X5049	114X5050	114X5051	114X5052	114X5054	114X5801
Compressor Description	MTZ028	MTZ032	MTZ032	MTZ036	MTZ040	MTZ050	MTZ064	MT064-4
Condenser coil type	E3	E3	E3	G3	H3	H3	J3	J4
Electrical Code	D	G	D	D	D	D	D	E
Refrigerant	Z	Z	Z	Z	Z	Z	Z	M
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02	A02	A02
Spare Parts								
Compressor single pack	MTZ28-4VI	MTZ32-5VI	MTZ32-4VI	MTZ36-5VI	MTZ40-4VI	MTZ50-4VI	MTZ64-4VI	MT64-4VI
Condenser	8174038	8174038	8174038	118U4030	8174041	8174041	8174042	118U8008
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366
Fan assembly	8176044	8176043	8176044	8176046	8176046	8176046	8176048	118U8023
Filter drier type	023Z4572	023Z4572	023Z4572	023Z4572	023Z4572	023Z4572	023Z4572	023Z4572
Receiver	8168180	8168180	8168180	8168181	8168181	8168181	8168181	8168182
Rotalock valve discharge	7968013	7968013	7968013	7968013	7968013	7968013	7968014	7968015
Rotalock valve suction	7968013	7968014	7968014	7968014	7968014	7968014	7968017	7968018
Sight glass	014-0183	014-0183	014-0183	014-0183	014-0183	014-0183	014-0183	014-0183
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	061H3005	061H3005	061H3005	061H3005	061H3005	061H3005	061H3005	061H3005
Solenoid valve	EVR 3	EVR10	EVR10	EVR10	EVR10	EVR10	EVR10	EVR3
Electrical Characteristics								
MCC Compressor (A)	7.5	20	20	22	10	12	13.5	14
LRA compressor (A)	29	70	70	60	38	47	64	64
MCC Fan (A)	0.82	0.82	0.82	1.22	1.22	1.22	1.22	3
Fan power (W)	155	155	155	220	220	220	220	680

MCC - Max Continuous Current
LRA - Locked Rotor Amps

Designation	OP-MGZD121	OP-MGZD136	OP-MGZD171	OP-MGZD215	OP-MGZD242	OP-MGZD271
Code Number	114X5055	114X5056	114X5057	114X5118	114X5800	114X5117
Compressor Description	MTZ072	MTZ080	MTZ100	MTZ125-4	MTZ144-4	MTZ160-4
Condenser coil type	J3	L3	M3	N4	N4	V
Electrical Code	D	D	D	E	E	D
Refrigerant	Z	Z	Z	Z	Z	Z
Oil	175PZ	175PZ	175PZ	175PZ	175PZ	175PZ
Version	A02	A02	A02	A02	A02	A02
Spare Parts						
Compressor single pack	MTZ72-4VI	MTZ80-4VI	MTZ100-4VI	MTZ125-4VI	MTZ144-4VI	MTZ160-4VI
Condenser	8174042	8174044	8174045	118U8012	118U8012	118U0375
Crankcase heater	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459	120Z0459
Dual pressure switch	060-539366	060-539366	060-539366	060-539366	060-539366	060-539366
Fan assembly	8176048	8176069	8176069	118U8023	118U8023	118U0373
Filter drier type	023Z4572	023Z4581	023Z4581	023Z4581	023Z4581	023Z4581
Receiver	8168183	8168183	8168183	8168183	8168183	8168183
Rotalock valve discharge	7968014	7968015	7968015	7968016	7968016	7968016
Rotalock valve suction	7968017	7968018	7968018	7968018	7968018	7968018
Sight glass	014-0184	014-0184	014-0184	014-0184	014-0184	014-0184
Discharge gas thermostat	7750009	7750009	7750009	7750009	7750009	7750009
Fan speed controller	061H3005	061H3005	061H3005	061H3005	061H3005	061H3005
Solenoid valve	EVR15	EVR15	EVR15	EVR15	EVR15	EVR15
Electrical Characteristics						
MCC Compressor (A)	17.5	18.5	22	27	36	36
LRA compressor (A)	80	50	90	105	130	130
MCC Fan (A)	1.22	2.23	2.23	2 x 3	2 x 3	1.6
Fan power (W)	220	390	390	680	680	810

MCC - Max Continuous Current
LRA - Locked Rotor Amps

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Component type	Component code	Component description	Additional informations
Compressor single pack	120F0226	NTZ048-4LR1-SINGLE	
Compressor single pack	120F0230	NTZ068-4LR1-SINGLE	
Compressor single pack	120F0234	NTZ096-4LR1-SINGLE	
Compressor single pack	120F0238	NTZ108-4LR1-SINGLE	
Compressor single pack	120F0236	NTZ136-4LR1- RECIP	
Compressor single pack	120F0240	COMPRESSOR NTZ215-4LR1-SINGLE RECIP	
Compressor single pack	120F0242	COMPRESSOR NTZ271-4LR1-SINGLE RECIP	
Compressor single pack	MT18-4VI	COMPRESSOR MT18-4VI	
Compressor single pack	MT22-4VI	COMPRESSOR MT22-4VI	
Compressor single pack	MT28-4VI	COMPRESSOR MT28-4VI	
Compressor single pack	MT32-4VI	COMPRESSOR MT32-4VI	
Compressor single pack	MT36-4VI	COMPRESSOR MT36-4VI	
Compressor single pack	MT18-5VI	COMPRESSOR MT18-5VI	
Compressor single pack	MT22-5VI	COMPRESSOR MT22-5VI	
Compressor single pack	MT28-5VI	COMPRESSOR MT28-5VI	
Compressor single pack	MT32-5VI	COMPRESSOR MT32-5VI	
Compressor single pack	MT36-5VI	COMPRESSOR MT36-5VI	
Compressor single pack	MT40-4VI	COMPRESSOR MT40-4VI	
Compressor single pack	MT51-4VI	COMPRESSOR MT51-4VI	
Compressor single pack	MT64-4VI	COMPRESSOR MT64-4VI	
Compressor single pack	MT81-4VI	COMPRESSOR MT81-4VI	
Compressor single pack	MT100-4VI	COMPRESSOR MT100-4VI	
Compressor single pack	MT125-VI	COMPRESSOR MT125-4VI	
Compressor single pack	MT144-4VI	COMPRESSOR MT144-4VI	
Compressor single pack	MT160-4VI	COMPRESSOR MT160-4VI	
Compressor single pack	MTZ18-5VI	COMPRESSOR MTZ18-5VI	
Compressor single pack	MTZ22-5VI	COMPRESSOR MTZ22-5VI	
Compressor single pack	MTZ28-5VI	COMPRESSOR MTZ28-4VI	
Compressor single pack	MTZ32-5VI	COMPRESSOR MTZ32-5VI	
Compressor single pack	MTZ36-5VI	COMPRESSOR MTZ36-5VI	
Compressor single pack	MTZ32-4VI	COMPRESSOR MTZ32-4VI	
Compressor single pack	MTZ40-4VI	COMPRESSOR MTZ40-4VI	
Compressor single pack	MTZ50-4VI	COMPRESSOR MTZ50-4VI	
Compressor single pack	MTZ64-4VI	COMPRESSOR MTZ64-4VI	
Compressor single pack	MTZ72-4VI	COMPRESSOR MTZ72-4VI	
Compressor single pack	MTZ80-4VI	COMPRESSOR MTZ80-4VI	
Compressor single pack	MTZ100-4VI	COMPRESSOR MTZ100-4VI	
Compressor single pack	MTZ125-4VI	COMPRESSOR MTZ125-4VI	
Compressor single pack	MTZ144-4VI	COMPRESSOR MTZ144-4VI	
Compressor single pack	MTZ160-4VI	COMPRESSOR MTZ160-4VI	
Condenser	118U8000	CONDENSER COIL A4	
Condenser	118U8001	CONDENSER COIL B4	
Condenser	118U8003	CONDENSER COIL D4	
Condenser	118U8004	CONDENSER COIL E4	
Condenser	118U8005	CONDENSER COIL F4	
Condenser	118U8006	CONDENSER COIL G4	
Condenser	118U8008	CONDENSER COIL J4	
Condenser	8174036	CONDENSER COIL C4	
Condenser	8174038	CONDENSER COIL E4	
Condenser	8174041	CONDENSER COIL H4	
Condenser	8174042	CONDENSER COIL J4	
Condenser	8174044	CONDENSER COIL L4	
Condenser	8174045	CONDENSER COIL M3	
Condenser	118U8012	CONDENSER COIL N4	
Condenser	118U0375	CONDENSER COIL V	
Crankcase heater	120Z0459	PTC Crankcase heater	
Dual pressure switch	060-539366	KP17WB Pressure Switch I/32	
Dual pressure switch	060-539766	KP17WB Pressure Switch M/24	
Discharge gas thermostat	7750009	DISCHARGE THERMOSTAT KIT	
Fan assembly	8176043	FAN ASSEMBLIES FA300 230/1/50-60	
Fan assembly	8176045	FAN ASSEMBLIES FA350 230/1/50-60	
Fan assembly	8176047	FAN ASSEMBLIES FA400 230/1/50-60	
Fan assembly	8176048	FAN ASSEMBLIES FA400 400/3/50-60	
Fan assembly	8176069	FAN ASSEMBLIES FA450 400/3/50-61	

Component type	Component code	Component description	Additional informations
Fan assembly	8176099	FAN ASSEMBLIES FA600 400/3/50-60	
Fan assembly	8176044	FAN ASSEMBLIES FA300 400/3/50-60	
Fan assembly	8176046	FAN ASSEMBLIES FA350 400/3/50-60	
Fan assembly	8176018	FAN ASSEMBLIES FA250 230/1/50-60	
Fan assembly	118U8017	FAN ASSEMBLIES FA500 400/3/50-60	Phase out repalced by 118U8023
Fan assembly	8176098	FAN ASSEMBLIES FA600 230/1/50-60	
Fan assembly	118U0373	FAN ASSEMBLY S4E630 230/1/50	
Fan assembly	118U8023	FAN ASSEMBLY FA500 230/1/50-60	
Fan speed controller	061H3045	RGE-Z1L4-7DS	
Fan speed controller	061H3005	RGE-Z1N4-7DS	
Fan speed controller	061H3009	RGE-Z1Q4-7DS	
Filter drier (Multipack)	023Z4562	Filter drier DML 053S M/24	
Filter drier (Multipack)	023Z4567	Filter drier DML 082S M/24	
Filter drier (Multipack)	023Z4581	Filter drier DML 165S M/12	
Filter drier (Multipack)	023Z4572	Filter drier DML 084S M/24	
Receiver	8168179	LIQUID RECEIVER 3L R032	
Receiver	8168180	LIQUID RECEIVER 6L R061	
Receiver	8168181	LIQUID RECEIVER 8L R076	
Receiver	8168182	LIQUID RECEIVER 10L R101	
Receiver	8168183	LIQUID RECEIVER 14L R141	
Rotalock valve discharge	7968012	ROTALOCK valve 1" - 3/8"	
Rotalock valve discharge	7968013	ROTALOCK VALVE 1" - 1/2"	
Rotalock valve discharge	7968014	ROTALOCK VALVE 1 1/4" - 5/8"	
Rotalock valve discharge	7968015	ROTALOCK VALVE 1 1/4" - 3/4"	
Rotalock valve discharge	7968016	ROTALOCK valve 1+1/4" - 7/8"	
Rotalock valve suction	7968017	ROTALOCK VALVE 1 3/4" - 7/8"	
Rotalock valve suction	7968018	ROTALOCK valve 1+3/4" - 1+1/8"	
Sight glass (Multipack)	014-0182	SGN 10s Sight Glass M/25x4	
Sight glass (Multipack)	014-0183	SGN 12s Sight Glass M/28	
Sight glass (Multipack)	014-0184	SGN 16s Sight Glass M/28	
Solenoid valve	EVR 3	Solenoid valve EVR 3	
Solenoid valve	EVR6	Solenoid valve EVR6	
Solenoid valve	EVR10	Solenoid valve EVR10	
Solenoid valve	EVR15	Solenoid valve EVR15	

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Figure 1,2,3

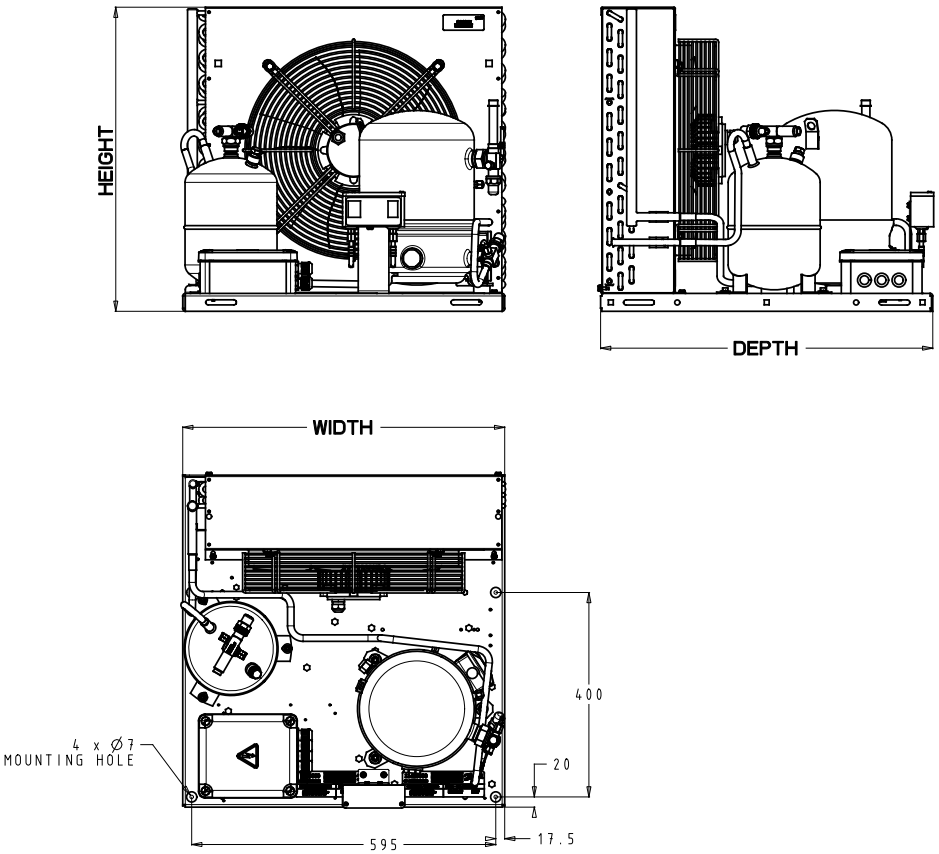


Figure 4

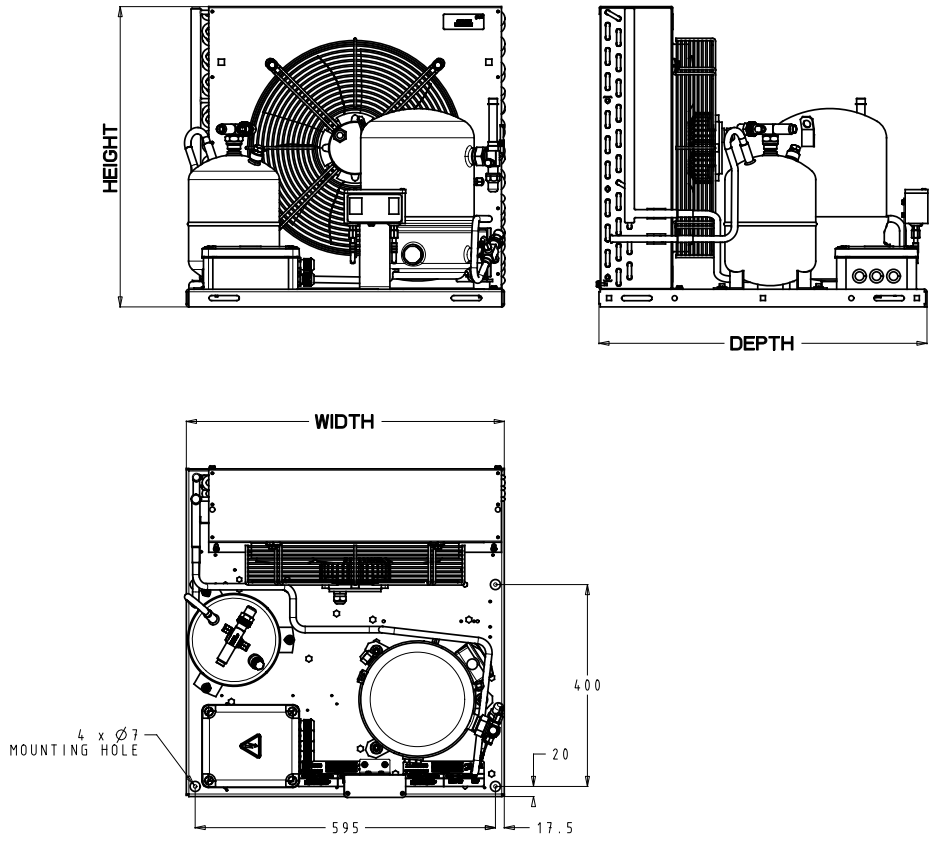


Figure 5

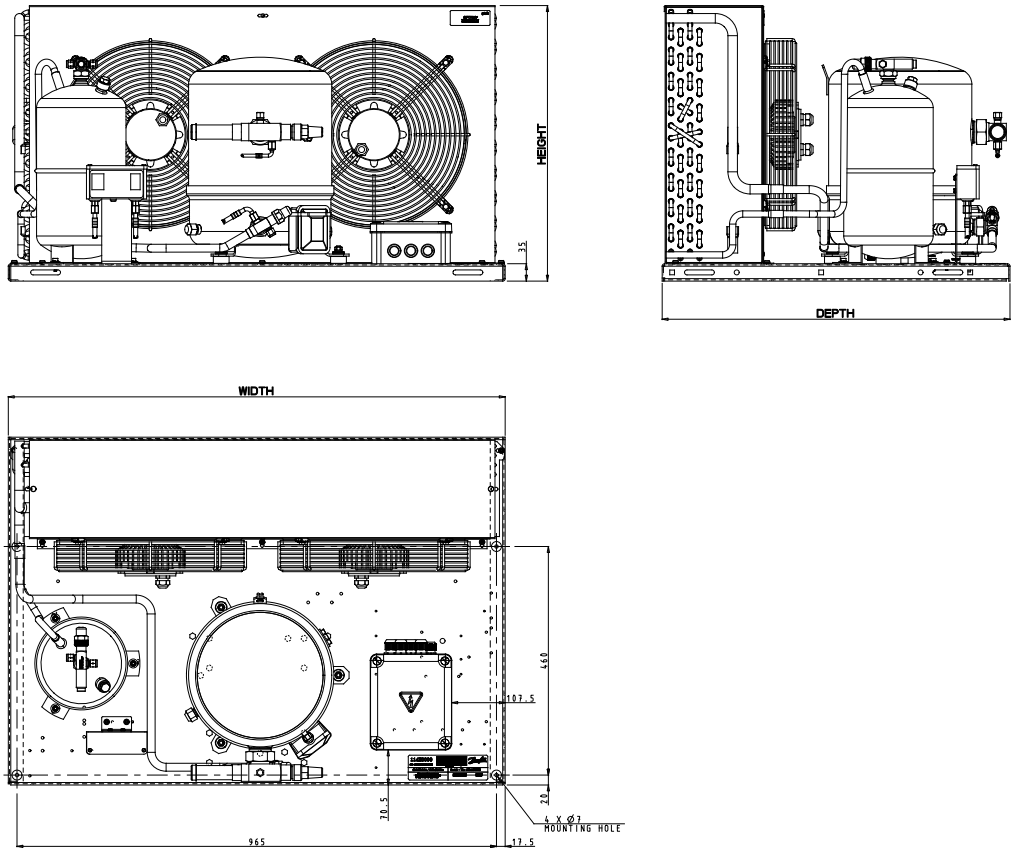
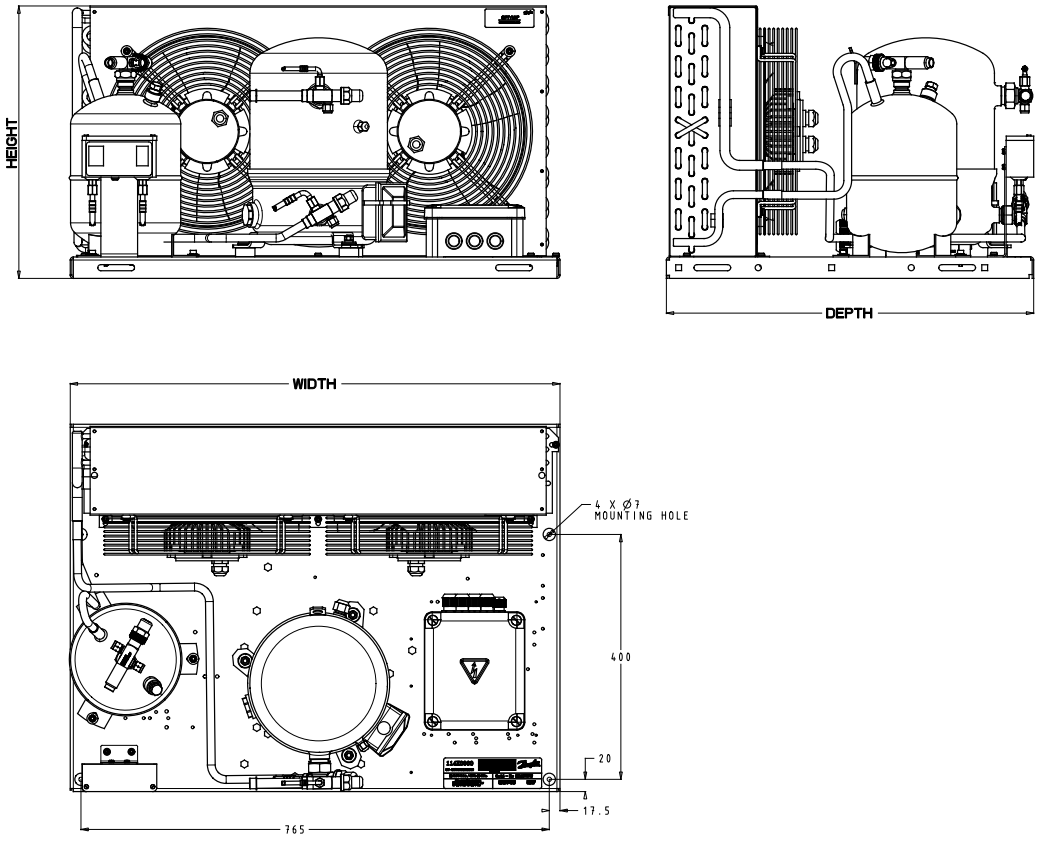


Figure 6



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Figure 7

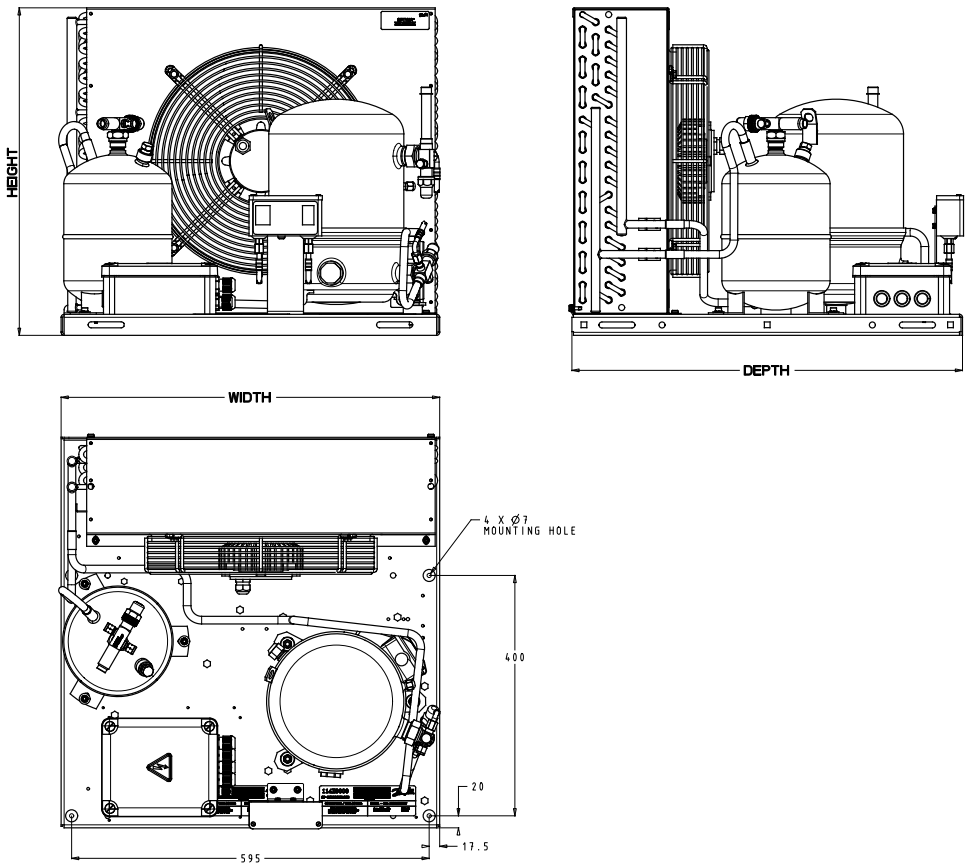


Figure 8

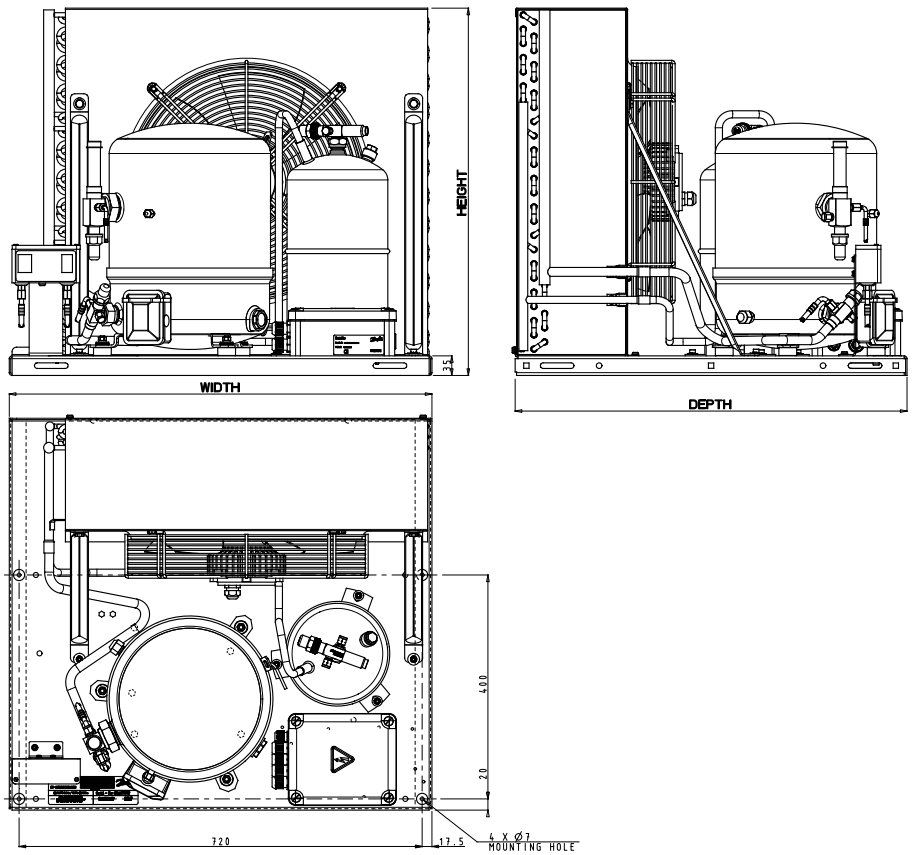


Figure 9

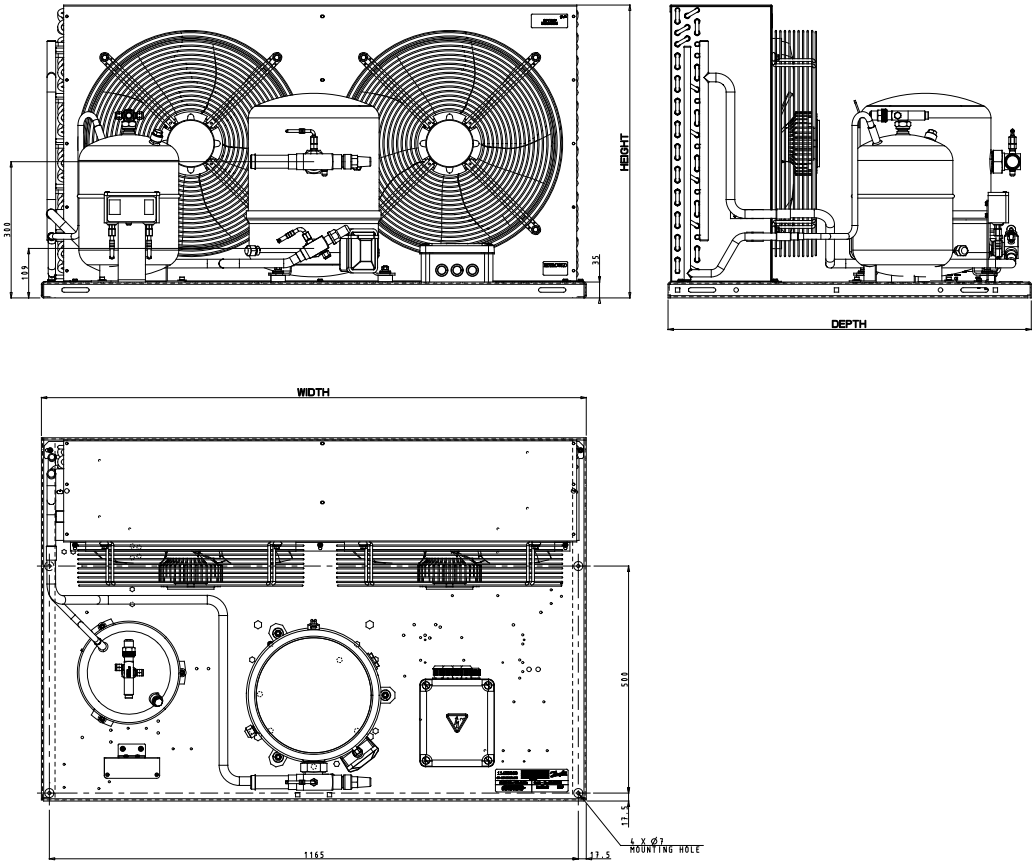
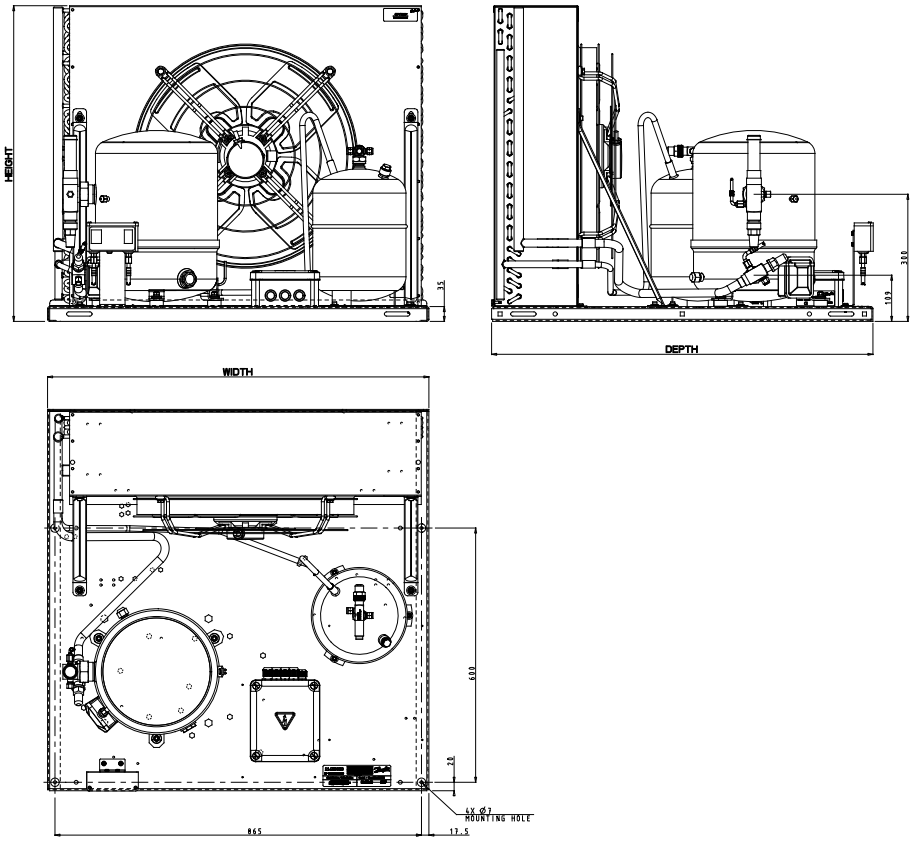
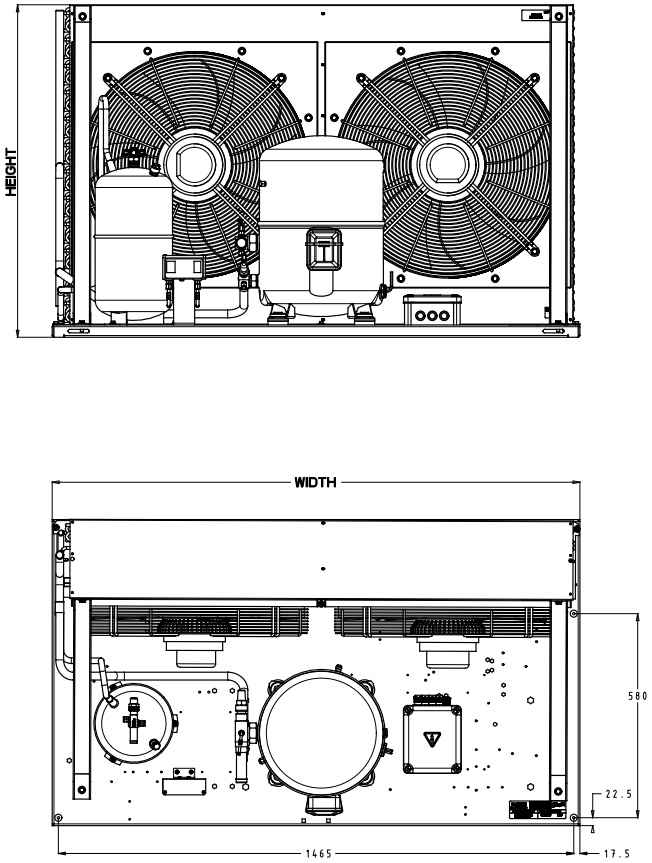


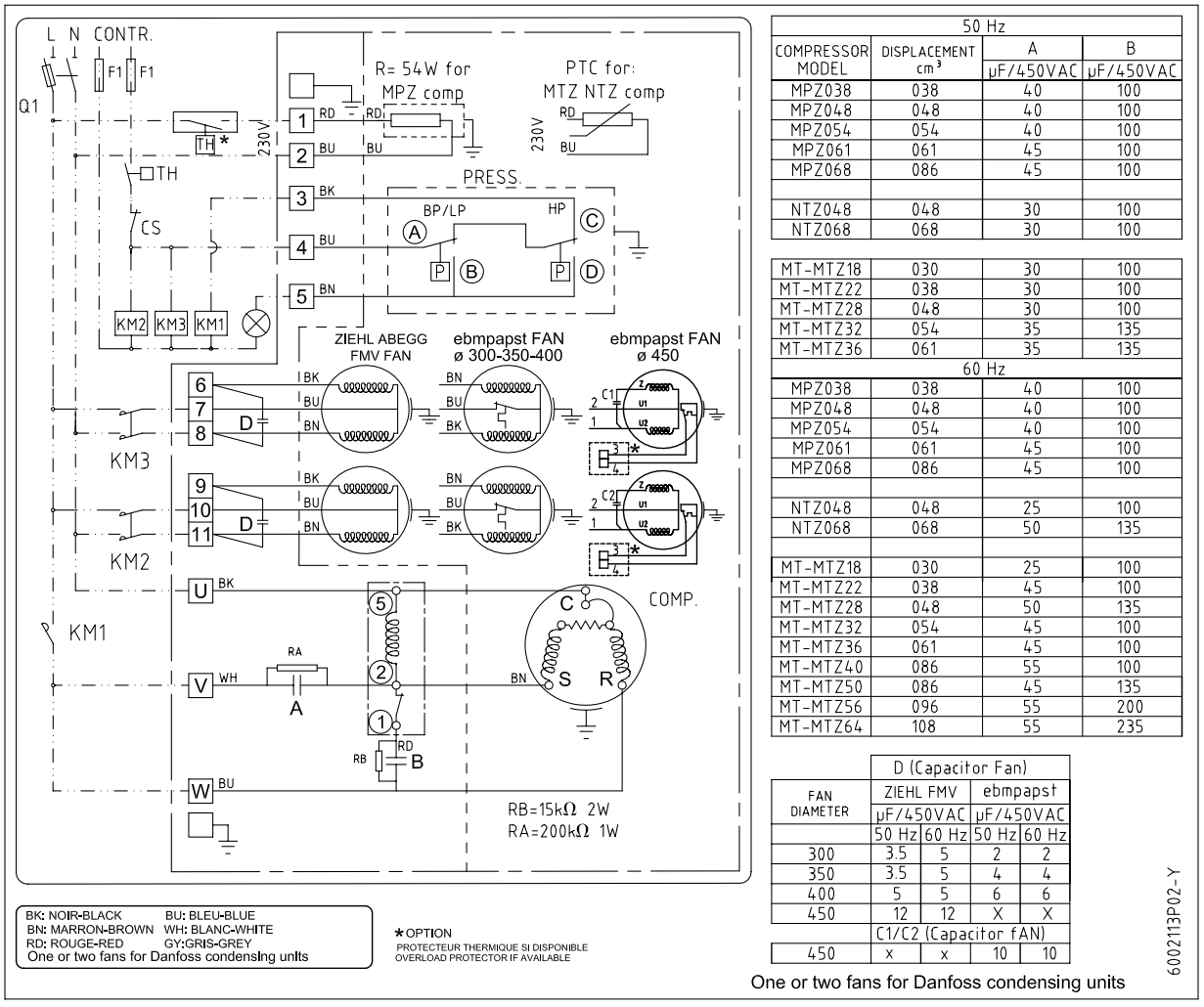
Figure 10



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Figure 11,12

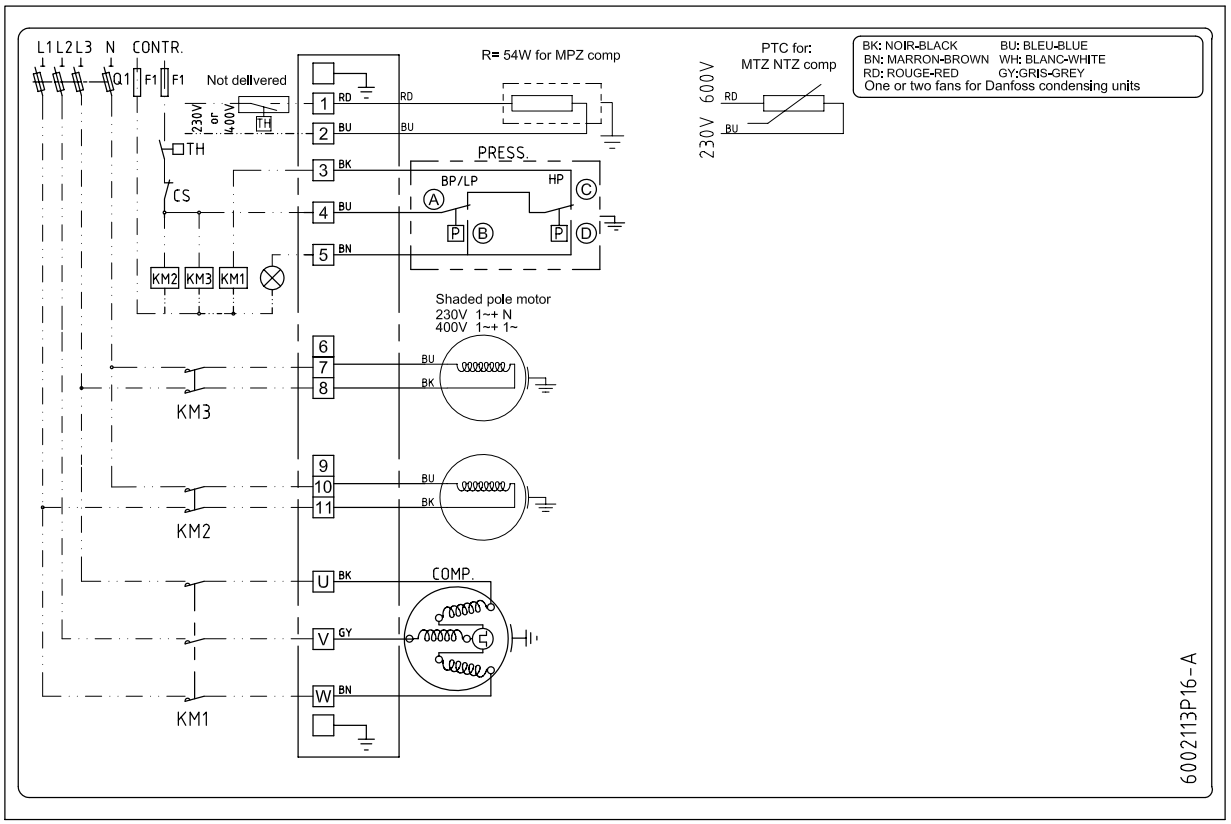




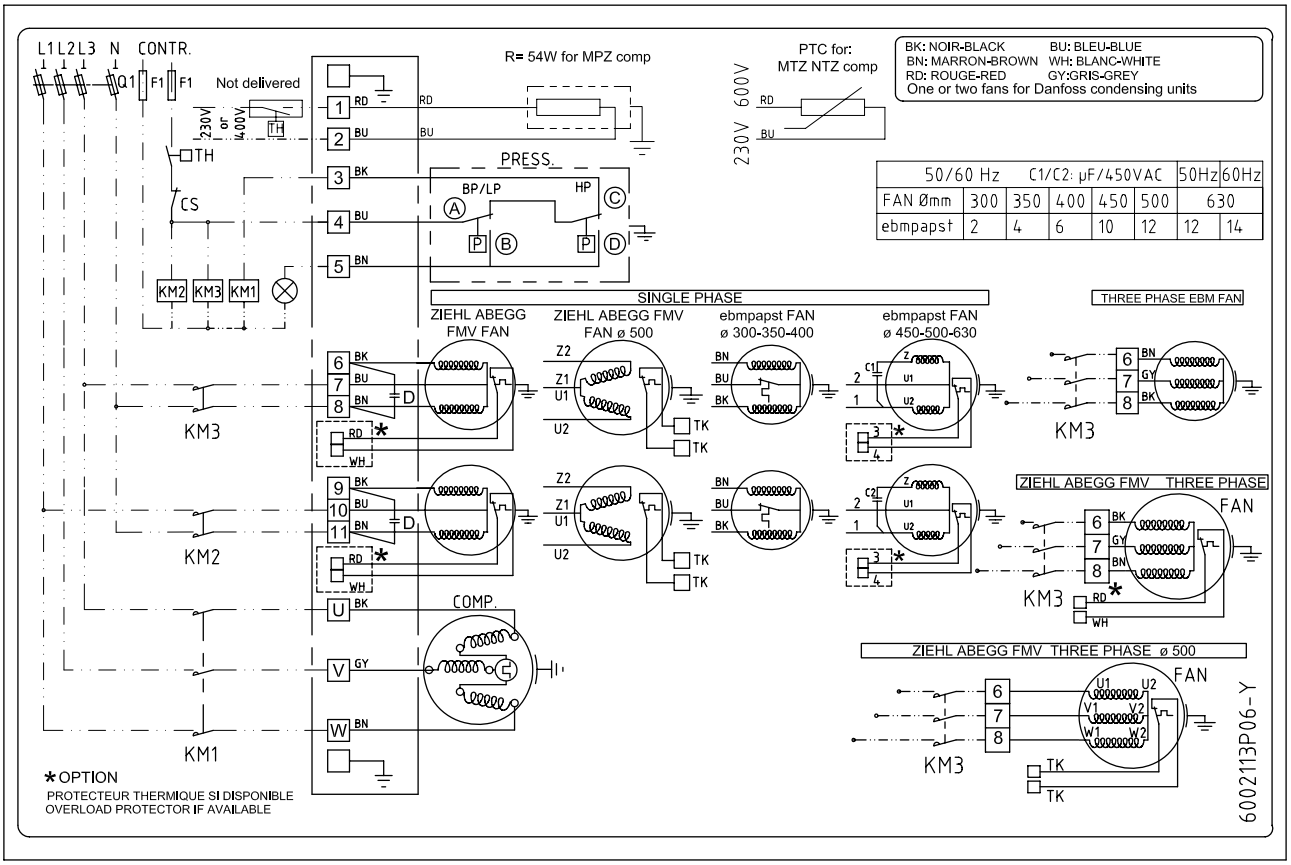
50 Hz			
COMPRESSOR MODEL	DISPLACEMENT cm³	A	B
		µF/450VAC	µF/450VAC
MPZ038	038	40	100
MPZ048	048	40	100
MPZ054	054	40	100
MPZ061	061	45	100
MPZ068	086	45	100
NTZ048	048	30	100
NTZ068	068	30	100
MT-MTZ18	030	30	100
MT-MTZ22	038	30	100
MT-MTZ28	048	30	100
MT-MTZ32	054	35	135
MT-MTZ36	061	35	135
60 Hz			
MPZ038	038	40	100
MPZ048	048	40	100
MPZ054	054	40	100
MPZ061	061	45	100
MPZ068	086	45	100
NTZ048	048	25	100
NTZ068	068	50	135
MT-MTZ18	030	25	100
MT-MTZ22	038	45	100
MT-MTZ28	048	50	135
MT-MTZ32	054	45	100
MT-MTZ36	061	45	100
MT-MTZ40	086	55	100
MT-MTZ50	086	45	135
MT-MTZ56	096	55	200
MT-MTZ64	108	55	235

FAN DIAMETER	D (Capacitor Fan)			
	ZIEHL FMV		ebmpapst	
	µF/450VAC		µF/450VAC	
	50 Hz	60 Hz	50 Hz	60 Hz
300	3.5	5	2	2
350	3.5	5	4	4
400	5	5	6	6
450	12	12	X	X
	C1/C2 (Capacitor fAN)			
450	x	x	10	10

One or two fans for Danfoss condensing units



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50/60 Hz	C1/C2: µF/450VAC					50Hz	60Hz
FAN Ømm	300	350	400	450	500	630	
ebmpapst	2	4	6	10	12	12	14

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TOMORROW

Danfoss Commercial Compressors

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.



Danfoss Turbocor Compressors



Danfoss Inverter Scrolls



Danfoss Scrolls



Danfoss Optyma Condensing Units



Danfoss Maneurop Reciprocating Compressors



Danfoss Light Commercial Refrigeration Compressors

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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