



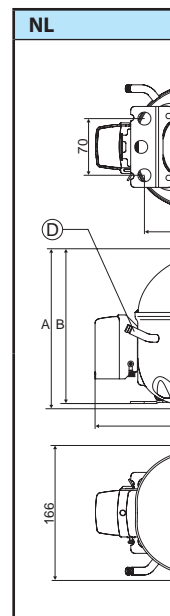
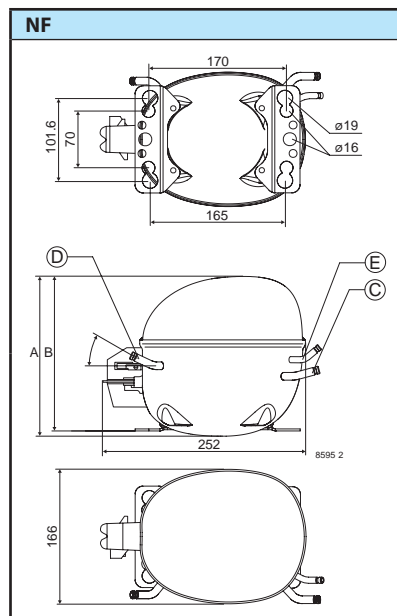
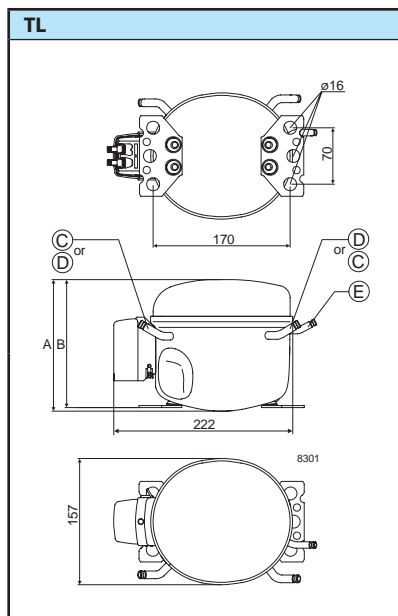
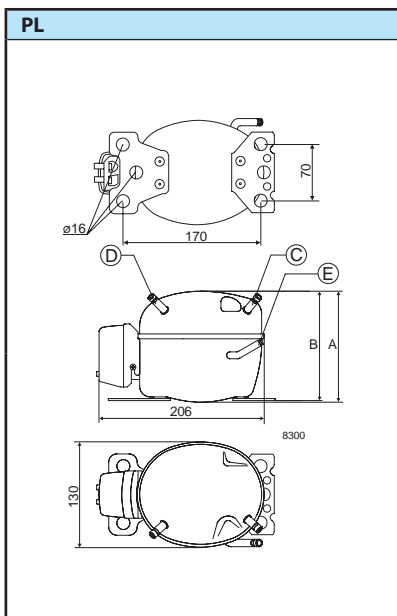
R404A/R507 • R134a • R290

## Danfoss Compressors

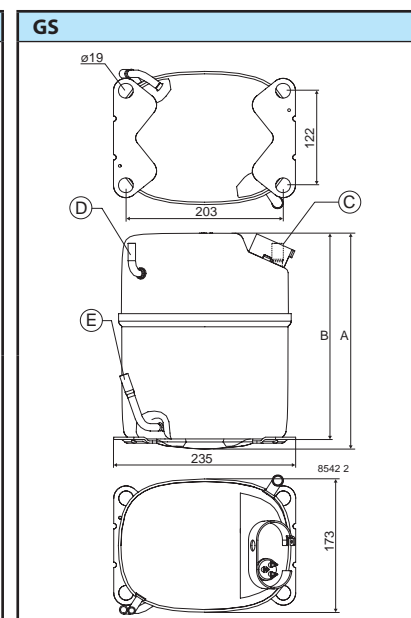
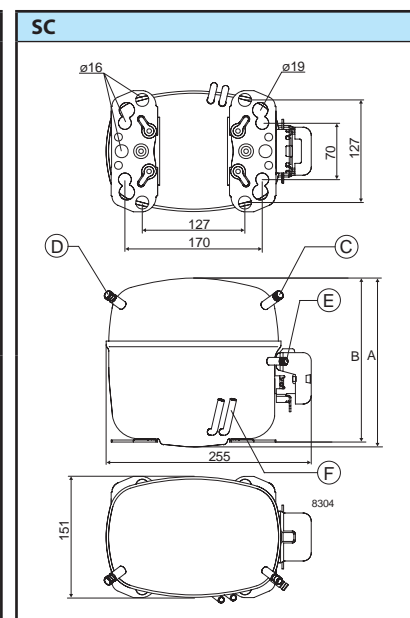
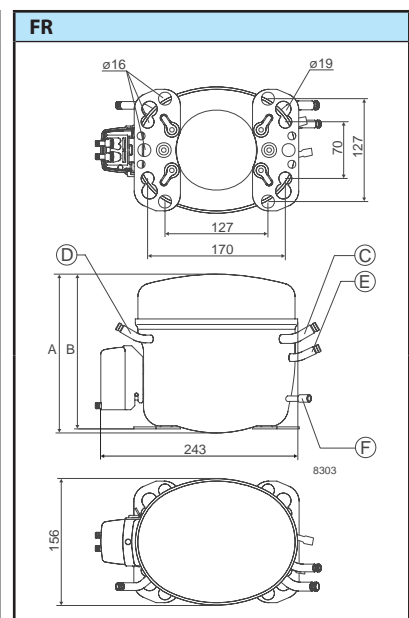
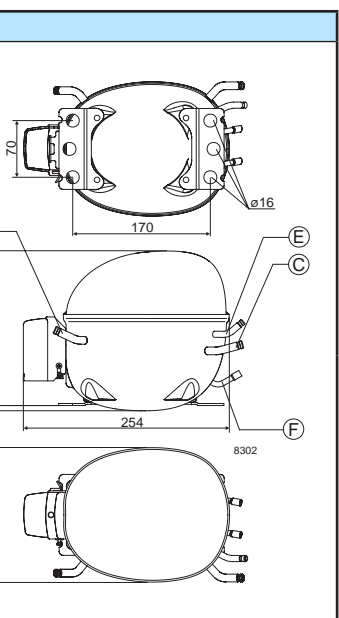
*Beverage coolers*

*220-240 V • 50 Hz & 60 Hz • MBP*

Refrigerant	Frequency	Compressor	Code numbers		Horsepower (approx.)	EN 12900 (CECOMAF) Capacity [W]								EN 12900 (CECOMAF) Power consumption [W]		Displacement [cm <sup>3</sup> ]		
			Compressor	Compressor with oil cooling		Evaporating temperature [°C]								Evaporating temp. [°C]				
						-20	-15	-10	-6.7	-5	0	5	7.2	10	-25		-10	
R134a	50 Hz	PL35G	101G0250		1/16	39	53	69	82	89	112	140	153	172	67	90	2.00	
		TL2.5G	102G4251		1/16	51	69	90	106	116	145	179	196	219	84	113	2.61	
		TL3G	102G4350		1/12	59	81	106	125	136	170	211	230	258	96	133	3.13	
		TL4G	102G4452		1/10	80	107	140	165	180	226	280	306	342	118	154	3.86	
		TL5G	102G4550		1/8	107	139	178	208	224	278	341	372	414	149	205	5.08	
		NL6.1MF	105G6660		1/6	141	189	245	288	312	390	482	527	588	187	243	6.13	
		NL7.3MF	105G6772		1/5	179	236	304	356	385	480	591	645	719	227	298	7.27	
		NL8.4MF	105G6879		1/4	213	277	353	412	445	553	679	735	813	261	349	8.35	
		NL10MF	105G6885	105G6887	1/3	266	346	441	513	554	687	843	919	1028	323	435	10.10	
		NL11MF	105G6151		1/3	292	380	485	565	609	756	927	1011	1125	360	495	11.15	
		NLE10MF	105G6888		1/3	262	343	440	513	554	688	845	922		198	308	10.10	
		FR6G	103G6660		1/6	124	171	226	267	290	365	452	494	552	172	241	6.23	
		FR7.5G	103G6680	103G6690	1/5	142	193	254	299	325	408	505	553	618	194	272	6.93	
		FR8.5G	103G6780	103G6790	1/4	171	228	298	351	381	478	592	647	722	231	321	7.95	
		FR10G	103G6880	103G6890	1/4	188	250	324	380	412	516	638	697	779	265	362	9.05	
		FR11G	103G6980		1/3	233	307	395	463	501	628	780			317	445	11.15	
		SC10G	104G8000		5/16	183	268	369	445	486	618	764	833	925	290	383	10.29	
		SC12G	104G8240	104G8250	1/3	252	348	464	553	603	768	960	1054	1182	355	493	12.87	
		SC15G	104G8520	104G8530	3/8	290	424	568	672	728	908	1110	1207	1340	440	595	15.28	
		SC18G	104G8820	104G8830	1/2	394	526	684	804	870	1087	1337	1459	1624	507	695	17.68	
SC21G	104G8140		5/8	453	606	793	934	1013	1269	1561	1700	1889	575	789	20.95			
SC21MFX	104G8120		5/8	530	682	866	1006	1085	1343	1645	1793	1996		594	20.95			
GS26MFX	107B0700		1	754	989	1266	1476	1591	1970	2411	2626			696	26.30			
GS34MFX	107B0701		1 1/4	998	1296	1648	1918	2063	2550	3115	3392			909	33.80			
R134a	60 Hz	TL2.5G	102G4251		1/12	60	80	105	124	134	168	208	227	253	96	132	2.61	
		TL4GH	102G4455		1/8		118	160	190	208	264	328	360	403	139	193	3.86	
		NL6.1MF	105G6660		1/5	165	223	292	344	274	470	581	636		218	306	6.13	
		NL7.3MF	105G6772		1/4	216	283	363	424	458	570	700	763		275	379	7.27	
		NL8.4MF	105G6879		1/3	245	325	420	492	532	664	818	893		311	437	8.35	
		NL10MF	105G6885	105G6887	3/8	312	406	518	603	650	807	989	1079		373	518	10.10	
		SC12G	104G8245		3/8	248	370	519	632	696	907	1157	1280	1449	388	559	10.29	
		SC15G	104G8526		1/2	308	468	641	766	834	1049	1292	1409	1567	470	642	12.87	
		SC18G	104G8823		5/8	432	573	745	879	955	1207	1506	1654	1858	511	708	17.68	
		R404A/RS07	50 Hz	TL4DL	102U2038		1/6	196	229	281	324	349	432	527	571	631	203	256
FR6DL	103U2680				1/4	317	385	471	538	576	698	840	907	999	354	456	6.23	
NF7MLX	105F3720				1/5	543	666	756	805	964	1142	1227	1341			391	7.27	
SC10MLX	104L2506				1/2	546	687	855	981	1051	1278	1537	1662		518	633	10.29	
SC12MLX	104L2606				5/8	669	838	1038	1188	1272	1542	1852	2001		620	762	12.87	
SC15MLX	104L2869				3/4	829	1038	1285	1471	1574	1909	2293			780	979	15.28	
SC18MLX	104L2139				7/8	968	1210	1497	1712	1832	2220	2665			860	1080	17.68	
SC18MLX.3	104L2146			7/8	1018	1266	1557	1779	1898	2292	2743	2964			878	17.68		
GS21MLX	107B0502			1	1096	1394	1748	2018	2164	2650	3211	3483			965	21.20		
GS26MLX	107B0503			1 1/4	1426	1810	2254	2586	2764	3351	4022	4345			1213	26.30		
GS34MLX	107B0504			1 1/2	1929	2408	2953	3358	3575	4283	5088	5476			1725	33.80		
R404A/RS07	60 Hz		NF7MLX	105F3720		1/4	518	642	785	891	948	1134	1343	1442			468	7.27
			SC10MLX	104L2506		5/8	646	816	1015	1164	1246	1510	1812			612	817	10.29
			SC12MLX	104L2606		3/4	773	970	1199	1370	1465	1770	2118	2286		729	975	12.87
		SC15MLX.2	104L2803		7/8	915	1145	1418	1623	1737	2107	2531	2735		860	1080	15.28	
		TL3CN ○	102H4380		1/10			200								140	3.13	
		TL4CN ○	102H4490		1/8			255								155	3.86	
		TL5CN	102H4590		1/6	230	283	345	391	416	496	586			211	266	5.08	
R290	50 Hz	NL7CN	105H6756		1/4	368	458	561	637	679	814	965			291	372	7.27	
		NL9CN	105H6856		1/3	423	526	643	730	778	930	1102			334	428	8.35	
		SC10CNX	104H8065		1/3	420	531	660	756	809	979	1172			362	422	10.29	
		SC12CNX	104H8265		3/8	540	678	846	976	1050	1293	1582			456	576	12.87	
		SC15CNX	104H8565		1/2	707	887	1093	1245	1328	1594	1894			560	715	15.28	
		SC18CNX	104H8865		5/8	824	1033	1272	1447	1543	1849	2193			707	952	17.68	



Displacement	Recommended compressor cooling at ambient temperature									Voltage and frequencies	Electrical Equipment								Single pack code number	Compressor
											LST (RSIR)		HST (CSIR)		HST (CSR)		LST/HST			
	PTC Starting device			Starting relay	Starting capacitor	Starting device	Starting kit	Cord relief	Cover											
	spades			spades		spades	spades													
	6.3 mm			4.8 mm		6.3 mm	6.3 mm													
[cm <sup>3</sup> ]	LBP	MBP	HBP	LBP	MBP	HBP	LBP	MBP	HBP	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm					
2.00		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>				1/5	103N0011	103N0018	117U6021	117U5014			103N1010	103N0491	195B0245	PL35G
2.61	S	S	S	S	S	S	S	S	F <sub>2</sub>	1/2/3/4	103N0011	103N0018	117U6007	117U5014			103N1010	103N2011	195B0268	TL2.5G
3.13	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6009	117U5014			103N1010	103N2010	195B0006	TL3G
3.86	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6004	117U5014			103N1010	103N2010	195B0008	TL4G
5.08	S	S	F <sub>2</sub>	S	S	F	S	S	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6000	117U5014			103N1010	103N2010	195B0011	TL5G
6.13		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>	7/5	103N0011	103N0018	117U6015	117U5015			103N1010	103N2011	195B0411	NL6.1MF
7.27		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>	7/5	103N0011	103N0018	117U6016	117U5015			103N1010	103N2011	195B0370	NL7.3MF
8.35		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>	7/5	103N0011	103N0018	117U6016	117U5015			103N1010	103N2011	195B0371	NL8.4MF
10.10		O/F <sub>1</sub>	O/F <sub>1</sub>		O/F <sub>1</sub>	O/F <sub>1</sub>		O/F <sub>1</sub>	O/F <sub>1</sub>	7/5	103N0011	103N0018	117U6022	117U5018			103N1010	103N2011	195B0276	NL10MF
11.15		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>	7	103N0011	103N0018	117U6022	117U5018			103N1010	103N2011	195B0432	NL11MF
10.10	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		1	103N0011	103N0018	117U6003	117U5015			103N1010	103N2011	on request	NLE10MF
6.23	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	S	S	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6000	117U5015			103N1010	103N2010	195B0191	FR6G
6.93	S	F <sub>2</sub>	F <sub>2</sub>	S	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6001	117U5015			103N1010	103N2010	195B0024	FR7.5G
7.95	S	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6015	117U5015			103N1010	103N2010	195B0026	FR8.5G
9.05	S	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3	103N0011	103N0018	117U6010	117U5015			103N1010	103N2010	195B0027	FR10G
11.15	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2	103N0011	103N0018	117U6010	117U5015			103N1010	103N2010	195B0028	FR11G
10.29	F <sub>1</sub>	F <sub>1</sub>	F <sub>2</sub>	F <sub>1</sub>	F <sub>1</sub>	F <sub>2</sub>	F <sub>1</sub>	F <sub>1</sub>	F <sub>2</sub>	1/2/3	103N0002		117U6002	117U5017			103N1004	103N2009	195B0043	SC10G
12.87	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3	103N0002		117U6003	117U5017			103N1004	103N2009	195B0050	SC12G
15.28	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3			117U6005	117U5017			103N1004	103N2009	195B0053	SC15G
17.68	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	O/F <sub>1</sub>	F <sub>2</sub>	F <sub>2</sub>	2/3			117U6019	117U5017			103N1004	103N2009	195B0059	SC18G
20.95	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	F <sub>2</sub>	1/2/3					117-7028		103N1004	103N2009	195B0048	SC21G
20.95		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7			117U6019	117U5017	117-7038		103N1004	103N2009	on request	SC21MFX
26.30		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		1					117-7055		107B9100/9101/9104*	195B0433	195B0433	GS26MFX
33.80		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		1					117-7056		107B9100/9101/9104*	195B0435	195B0435	GS34MFX
2.61	S	S	S	S	S	S	S	S	F <sub>2</sub>	1/2/3/4	103N0011	103N0018	117U6007	117U5014			103N1010	103N2010	195B0268	TL2.5G
3.86		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>	1/4			117U6000	117U5014			103N1010	103N2011	195B0122	TL4GH
6.13	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		7/8	103N0011	103N0018	117U6015	117U5015			103N1010	103N2011	195B0411	NL6.1MF
7.27	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		7/8	103N0011	103N0018	117U6016	117U5015			103N1010	103N2011	195B0370	NL7.3MF
8.35	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		7/8	103N0011	103N0018	117U6016	117U5015			103N1010	103N2011	195B0371	NL8.4MF
10.10	O/F <sub>1</sub>	O/F <sub>1</sub>		O/F <sub>1</sub>	O/F <sub>1</sub>		O/F <sub>1</sub>	O/F <sub>1</sub>		7/8	103N0011	103N0018	117U6022	117U5018			103N1010	103N2011	195B0276	NL10MF
10.29		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		8			117U6011	117U5017			103N1004	103N2008	195B0457	SC12G
12.87		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		8			117U6011	117U5017			103N1004	103N2008	195B0453	SC15G
17.68		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		8					117-7038		103N1004	103N2008	195B0377	SC18G
3.86		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>				1			117U6001	117U5014			103N1010	103N2010	195B0166	TL4DL
6.23		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>				1			117U6010	117U5015			103N1010	103N2010	195B0032	FR6DL
7.27		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U4139	117U5018			2x117U0349	117U1021	195B0443	NF7MLX
10.29		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U6011	117U5017			103N1004	103N2008	195B0345	SC10MLX
12.87		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U6011	117U5017			103N1004	103N2008	195B0323	SC12MLX
15.28		F <sub>2</sub>			F <sub>2</sub>					1			117U6013	117U5012			103N1004	103N2009	195B0391	SC15MLX
17.68		F <sub>2</sub>			F <sub>2</sub>					1					117-7012		103N1004	103N2009	195B0392	SC18MLX
17.68		F <sub>2</sub>			F <sub>2</sub>					1					117-7012		103N1004	103N2009	195B0412	SC18MLX.3
21.20		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		1					117-7070		107B9100/9101/9104*	195B0436	195B0436	GS21MLX
26.30		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		1					117-7072		107B9100/9101/9104*	195B0437	195B0437	GS26MLX
33.80		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		1					117-7056		107B9100/9101/9104*	195B0438	195B0438	GS34MLX
7.27		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U4139	117U5018			2x117U0349	117U1021	195B0443	NF7MLX
10.29		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U6011	117U5017			103N1004	103N2008	195B0345	SC10MLX
12.87		F <sub>2</sub>			F <sub>2</sub>			F <sub>2</sub>		7/8			117U6011	117U5017			103N1004	103N2008	195B0323	SC12MLX
15.28		F <sub>2</sub>			F <sub>2</sub>					8					117-7058		103N1004	103N2009	195B0358	SC15MLX.2
3.13	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		1	103N0011	103N0018	117U70xx	117U5014			103N1010	103N2010	on request	TL3CN
3.86	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		1	103N0011	103N0018	117U70xx	117U5014			103N1010	103N2010	on request	TL4CN
5.08	F <sub>1</sub>	F <sub>1</sub> ***		F <sub>1</sub>	F <sub>1</sub> ***		F <sub>1</sub>	F <sub>1</sub> ***		1	103N0011	103N0018	117U7000	117U5014			103N1010	103N2010	195B0420	TL5CN
7.27	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>2</sub>		1	103N0011	103N0018	117U7002	117U5014			103N1010	103N2010	195B0451	NL7CN
8.35	F <sub>1</sub>	F <sub>1</sub>		F <sub>1</sub>	F <sub>1</sub>		F <sub>2</sub>	F <sub>2</sub> ***		1	103N0011	103N0018	117U7002	117U5014			103N1010	103N2010	195B0265	NL9CN
10.29	F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		1					117-7049	117-9719	103N1004	103N2009	195B0474	SC10CNX
12.87	F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		1					117-7049	117-9719	103N1004	103N2009	195B0333	SC12CNX
15.28	F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		1					117-7051	117-9711	103N1004	103N2009	195B0203	SC15CNX
17.68	F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		F <sub>2</sub>	F <sub>2</sub>		1					117-7034	117-9718	103N1004	103N2009	195B0414	SC18CNX



**Compressor**

	Dimensions					
	Height [mm]		Connectors location/I.D. [mm]			
	A	B	Suc-tion C	Pro-cess D	Dis-charge E	Oil cooler F
PL35G	137	135	6.2	6.2	5.0	
TL2.5G	163	159	6.2	6.2	5.0	
TL3G	163	159	6.2	6.2	5.0	
TL4G	173	169	6.2	6.2	5.0	
TL5G	173	169	6.2	6.2	5.0	
NL6.1MF	190	184	6.2	6.2	5.0	
NL7.3MF	197	191	6.2	6.2	5.0	
NL8.4MF	197	191	6.2	6.2	5.0	
NL10MF	203	197	8.2	6.2	6.2	6.2
NL11MF	203	197	8.2	6.2	6.2	
NLE10MF	203	197	8.2	6.2	6.2	
FR6G	196	191	8.2	6.2	6.2	
FR7.5G	196	191	8.2	6.2	6.2	6.2
FR8.5G	196	191	8.2	6.2	6.2	6.2
FR10G	196	191	8.2	6.2	6.2	6.2
FR11G	196	191	8.2	6.2	6.2	
SC10G	199	193	8.2	8.2	6.2	
SC12G	209	203	8.2	6.2	6.2	6.2
SC15G	209	203	8.2	6.2	6.2	6.2
SC18G	219	213	10.2	6.2	6.2	6.2
SC21G	219	213	10.2	6.2	6.2	
SC21MFX	219	213	10.2	6.2	6.2	
GS26MFX	259	247	12.9	6.5	8.2	
GS34MFX	259	247	12.9	6.5	8.2	
TL2.5G	163	159	6.2	6.2	5.0	
TL4GH	173	169	6.2	6.2	5.0	
NL6.1MF	190	184	8.2	6.2	6.2	
NL7.3MF	197	191	8.2	6.2	6.2	
NL8.4MF	197	191	8.2	6.2	6.2	
NL10MF	203	197	8.2	6.2	6.2	6.2
SC12G	209	203	10.2	6.5	6.5	
SC15G	209	203	10.2	6.5	6.5	
SC18G	219	213	10.2	6.5	6.5	
TL4DL	173	169	6.2	6.2	5.0	
FR6DL	196	191	8.2	6.2	6.2	
NF7MLX	203	197	9.7	6.5	6.5	
SC10MLX	209	203	8.2	6.5	6.5	
SC12MLX	219	213	8.2	6.5	6.5	
SC15MLX	219	213	10.2	6.2	6.2	
SC18MLX	219	213	10.2	6.2	6.2	
SC18MLX.3	219	213	10.2	6.2	6.2	
GS21MLX	259	247	12.9	6.5	8.2	
GS26MLX	279	267	16.1	6.5	9.7	
GS34MLX	279	267	16.1	6.5	9.7	
NF7MLX	203	197	9.7	6.5	6.5	
SC10MLX	209	203	8.2	6.5	6.5	
SC12MLX	219	213	8.2	6.5	6.5	
SC15MLX.2	219	213	9.7	6.5	6.5	
○ TL3CN	163	159	6.2	6.2	5.0	
○ TL4CN	173	169	6.2	6.2	5.0	
TL5CN	173	169	6.2	6.2	5.0	
NL7CN	203	197	8.2	6.2	6.2	
NL9CN	203	197	8.2	6.2	6.2	
SC10CNX	209	203	8.2	6.2	6.2	
SC12CNX	209	203	8.2	6.2	6.2	
SC15CNX	209	203	8.2	6.2	6.2	
SC18CNX	219	213	10.2	6.2	6.2	

**Hermetic Compressors type PL, TL, NL, NF, FR, SC, GS  
R134a • R404A/R507 • R290 • 220-240 V • 50 Hz & 60 Hz**

Model designation					
Compressor design	Optimization level	Compressor size	Application range	Start characteristics	Generation
PL	Blank Standard energy level	Nominal displacement in cm <sup>3</sup>	CN R290 LBP	Blank => universal (principal rule)	Blank => first generation
TL			DL R404A/R507 HBP		
NL			F R134a LBP/(MBP)		
NF	E Energy-optimized (optimized motor)	Exception: For PL compressors the capacity at rating point is stated.	G R134a LBP/MBP/HBP	X = HST characteristics (expansion valve)	.2 => second generation
FR			GH R134a Heat Pumps		.3 => third generation
SC			MF R134a MBP		etc.
GS			ML R404A/R507 MBP		

**Applications**  
**LBP:** Low Back Pressure  
**HBP:** High Back Pressure  
**MBP:** Medium Back Pressure

**Motor types**  
**RSIR:** Resistant Start Induction Run  
**RSCR:** Resistant Start Capacitor Run  
**CSIR:** Capacitor Start Induction Run  
**CSR:** Capacitor Start Run

**Starting devices**  
**LST:** Low Starting Torque  
 LST is used with capillary tube control and pressure equalizing. (Pressure equalizing may exceed 10 minutes). The PTC starting device requires 5 minutes cooling before each start.  
**HST:** High Starting Torque  
 HST consisting of relay and starting capacitor, is used for expansion valve control or for capillary tube control without pressure equalizing.

**Electrical equipment GS compressors**  
 \* = Gasket/cover/clamp are parts of compressor

**Test conditions EN 12900 (CECOMAF)**  
**PL/TL/NL/FR/SC**  
 Application **R134a**  
 Condensing temperature 55°C  
 Ambient temperature 32°C  
 Suction gas temperature 32°C  
 No subcooling  
 220 V / 50 Hz / 60 Hz

**Test conditions EN 12900 (CECOMAF)**  
**TL/NL/NF/FR/SC**  
 Application **R404A/R507 R290**  
 Condensing temperature 45°C  
 Ambient temperature 32°C  
 Suction gas temperature 32°C  
 No subcooling  
 220 V / 50 Hz / 60 Hz

**Test conditions EN 12900 (CECOMAF)**  
**GS**  
 Application **MBP**  
 Condensing temperature 45°C  
 Ambient temperature 32°C  
 Suction gas temperature 20°C  
 Liquid temperature no subcooling  
 220 V / 50 Hz  
 Application **LBP**  
 Condensing temperature 40°C  
 Ambient temperature 32°C  
 Suction gas temperature 20°C  
 Liquid temperature no subcooling  
 220 V / 50 Hz

**Compressor cooling**  
 S = Static cooling normally sufficient  
 O = Oil cooling  
 F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)  
 F<sub>2</sub> = Fan cooling 3.0 m/s necessary  
 \*\*\* = run capacitor 4 µF compulsory

**Voltages and frequencies**  
 1 = 198-254 V, 50 Hz  
 2 = 187-254 V, 50 Hz, LBP  
 3 = 198-254 V, 60 Hz, LBP  
 4 = 198-254 V, 60 Hz, HBP  
 5 = 198-254 V, 60 Hz, MBP  
 6 = 207-254 V, 60 Hz, HBP  
 7 = 187-254 V, 50 Hz, MBP  
 8 = 187-254 V, 60 Hz, MBP



R290 is flammable in concentrations of air between approximately 2.1% and 9.5% by volume (LEL lower explosion limit and UEL upper explosion limit). An ignition source at a temperature higher than 470°C is needed for a combustion to occur.

○ = preliminary data

**Examples**

PL	35	G		
TL	4	DL		
NLE	10	MF		
SC	18	ML	X	.3
GS	26	CL	X	

**Optional IP24 equipment for SC compressors**

Danfoss now offers special accessories, which provide a better IP protection class for a major part of the SC compressor models. All SC models for 220-240V/50Hz or 208-230V/60Hz and CSIR motor can be IP upgraded.



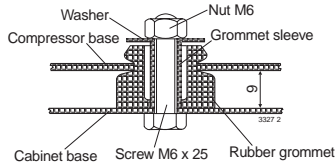
The equipment consists of one additional part, the so called "back cover", and a special starting capacitor. Both are used instead of the normal starting capacitor.

When using this equipment, the protection class is increased to IP24, i.e. the compressor and its electrical parts are splash-proof.

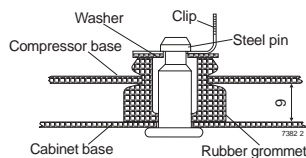
Code number	Description
103N2020	Back cover
117U5117**	IP24 starting capacitor 80µF

\*\*replaces standard capacitor 117U5017

**Mounting accessories**



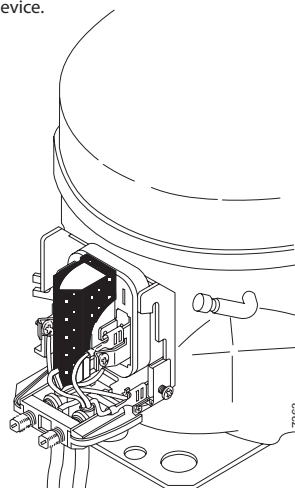
Bolt joint for one compressor: 118-1917  
 In quantities: 118-1918  
 Bolt joint for one GS compressor: 107B9150 (M8 x 40, base plate distance: 17mm)



Snap-on in quantities: 118-1919

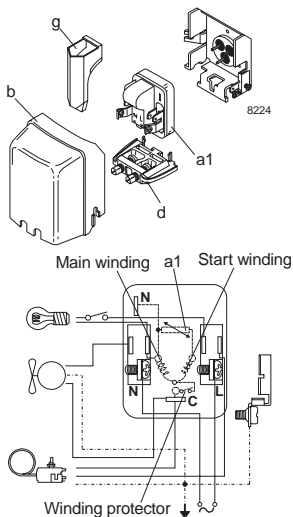
**Protection Screen for PTC**

**Note:** To fulfil the requirements of EN 60355-2-34 the protection screen 103N0476 must be applied to the PTC starting device.

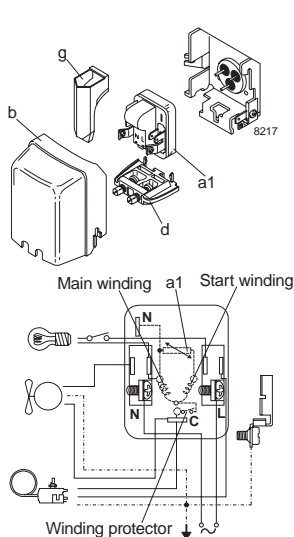


LST - RSIR

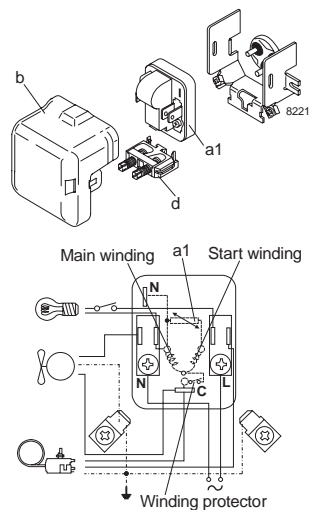
PL



TL-NL-FR

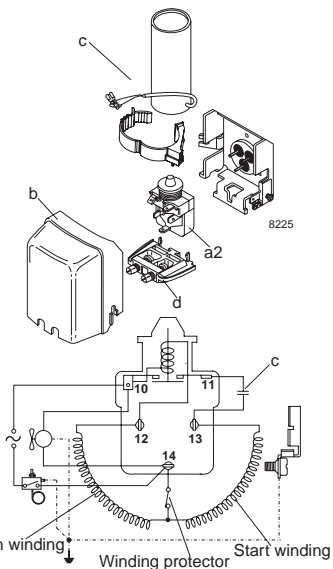


SC

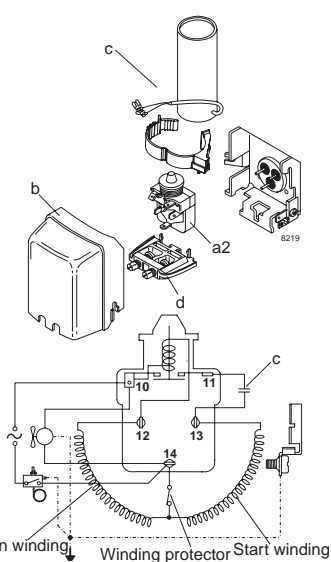


HST - CSIR

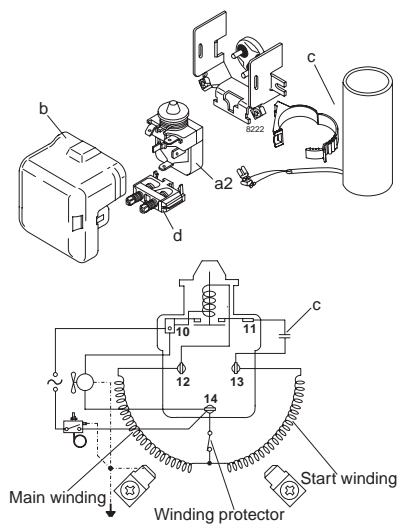
PL



TL-NL-FR (NF similar)

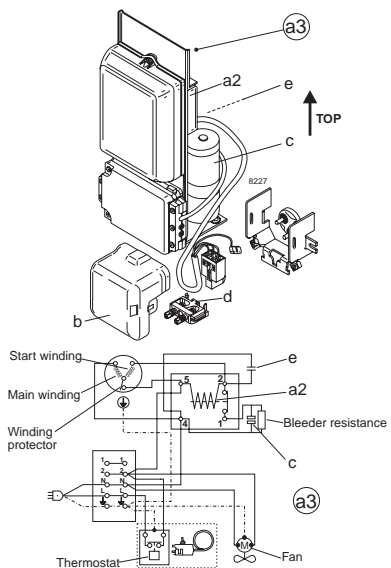


SC

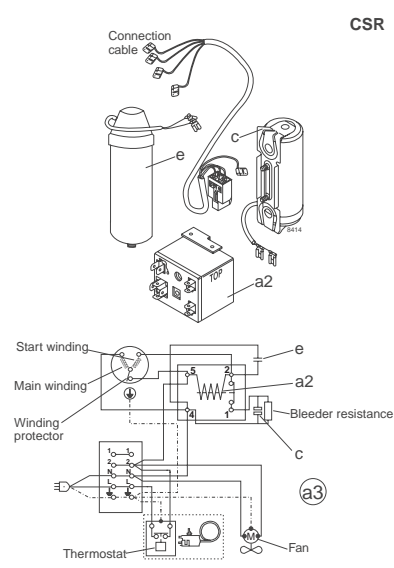


HST - CSR

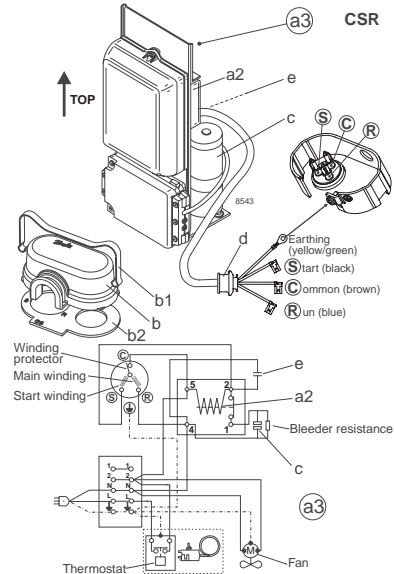
SC



SC (kit)



GS



Legend

**a1:** PTC starting device  
**a2:** Starting relay  
**a3:** Starting device

**b:** Cover  
**b1:** Clamp (part of compressor)  
**b2:** Gasket (part of compressor)

**c:** Starting capacitor  
**d:** Cord relief  
**e:** Run capacitor  
**g:** Protection screen for PTC



## Applications

Our compressor range will perfectly fit various applications like:



- Laboratory and medical equipment
- Clip-on and condensing units
- Compressed air dryers
- Glass door merchandisers
- Bakery refrigeration equipment
- Low temperature display cabinets
- Vending machines
- Ice making machines
- Slush and frozen beverage makers
- Bottle coolers



Refrigeration Controls programme consists of:

<p>Thermostatic expansion valves</p>	<p>Hermetic filter drier with solid core</p>	<p>Direct or servo operated solenoid valve</p>	<p>Sight glass with moisture indicator</p>