

WITH MORE THAN 60 YEARS OF EXPERIENCE IN COMPRESSOR TECHNOLOGY AND HIGHLY DEDICATED EMPLOYEES, OUR FOCUS IS ON DEVELOPING AND

APPLYING ADVANCED COMPRESSOR TECHNOLOGIES TO ACHIEVE STANDARD SETTING PERFORMANCE FOR LEADING PRODUCTS AND BUSINESSES AROUND THE WORLD.



HERMETIC COMPRESSORS FOR AC VOLTAGE

R134a • 220-240 V



R134a • 220-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T _c =54.4°C, T _{liq} =32.2°C, T _{suc} =32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm ³]	Voltage and frequencies [* dual frequency type with 50/60 Hz]	Compressor cooling cooling (refer to data sheet)
			-35	-15	-5	0	10	15	LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
									Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]			
PL20F	101G0100	MBP		45	81	103			24	0.55	66	1.08			1.41	198-254 V, 50 Hz	S
PL35F	101G0202	MBP		75	125	156			45	0.86	103	1.34			2.00	198-254 V, 50 Hz	S
PL50F	101G0220	LBP	18	92					56	0.89					2.50	198-254 V, 50 Hz	S
PL50F	101G0222	MBP		92	149	184			56	0.92	123	1.37			2.50	198-254 V, 50 Hz	F1
PLE50F	101G0221	L/MBP		95	152	187			59	1.08	126	1.58			2.50	198-254 V, 50 Hz	S
TFS4.5FT	102G4433	LBP	56	193	309				123	1.12	256	1.65			4.63	176-242 V, 50 Hz	S
TL2.5F	102G4200	L/MBP		81	136	170			46	0.80	112	1.31			2.61	198-254 V, 50 Hz	S
TL3F	102G4300	L/MBP		101	171	214			59	0.85	141	1.32			3.13	198-254 V, 50 Hz	S
TLES3F	102G4310	L/MBP		115	192	240			70	1.07	158	1.57			3.13	198-254 V, 50 Hz	S
TLS3FT	102G4325	LBP	26	115					69	1.07					3.13	187-254 V, 50 Hz	S
TL4F	102G4400	LBP	38	133					84	0.98					3.86	198-254 V, 50 Hz	S
TLES4F	102G4410	LBP	41	154					97	1.16					3.86	198-254 V, 50 Hz	S
TLS4FT	102G4424	LBP	34	145					88	0.97					3.86	187-254 V, 50 Hz	S
TL5F	102G4501	LBP	53	178					113	1.06					5.08	198-254 V, 50 Hz	S
TLES5F	102G4510	LBP	62	210					134	1.22					5.08	198-254 V, 50 Hz	S
TLS5F	102G4520	LBP	59	210					134	1.15					5.08	198-254 V, 50 Hz	S
TLS5FT	102G4524	LBP	59	210					134	1.12					5.08	187-254 V, 50 Hz	S
TLES5.7FT.3	102G4573	LBP	82	248					163	1.36					5.70	187-254 V, 50 Hz	S
TLES6F	102G4610	LBP	72	227					143	1.20					5.70	198-254 V, 50 Hz	S
TLS6F	102G4620	LBP	72	227					143	1.14					5.70	198-254 V, 50 Hz	S
TLS7F	102G4720	LBP	82	257					164	1.15					6.49	198-254 V, 50 Hz	S
FR11G	103G6980	L/M/HBP		380	621	780			236	1.10	513	1.50			11.15	187-254 V, 50 Hz	F1
NF7FX	105G6743	L/MBP	97	324	522	646			205	1.12	432	1.66	766	2.35	7.27	198-242 V, 50 Hz	S
NF9FX	105G6841	L/MBP	113	356	575	715			229	1.09	475	1.59	856	2.28	8.34	198-242 V, 50 Hz	F1
NF11FX	105G6944	L/MBP	141	454	725	898			294	0.97	600	1.41	1070	2.02	11.15	198-242 V, 50 Hz	F2
NL6.1FT	105G6620	LBP	74	245					157	1.21					6.13	187-254 V, 50 Hz	S
NL6.1FT	105G6621	LBP	74	245					157	1.21					6.13	187-254 V, 50 Hz	S
NL6F	105G6606	LBP	64	247					152	1.22					6.13	198-254 V, 50 Hz	S
NL7.3FT	105G6726	LBP	88	290					186	1.22					7.27	187-254 V, 50 Hz	S
NL7F	105G6706	LBP	87	294					187	1.21					7.27	198-254 V, 50 Hz	S
NL7FT	105G6718	LBP	88	290					186	1.22					7.27	187-254 V, 50 Hz	S
NL8F	105G6822	LBP	100	307					201	1.24					7.95	198-254 V, 50 Hz	S
NL8.4FT	105G6055	LBP	107	340					220	1.23					8.35	187-254 V, 50 Hz	F1
NL9F	105G6802	LBP	92	332					213	1.21					8.35	198-254 V, 50 Hz	S
NL9FT	105G6828	LBP	107	340					220	1.23					8.35	187-254 V, 50 Hz	S
NLE9F	105G6805	LBP	101	335					211	1.33					8.35	198-254 V, 50 Hz	S
NL10FT	105G6188	LBP	141	434					284	1.25					10.09	187-254 V, 50 Hz	S
NLE10MF	105G6888	MBP	110	425	687	854			268	1.28	568	1.71	1023	2.32	10.09	198-254 V, 50 Hz	F1
NLE10MF.2	105G6187	L/MBP	116	457	734	913	1371		289	1.53	608	2.05	1096	2.75	10.09	198-254 V, 50 Hz	F2
NL11F	105G6900	LBP	126	435					274	1.22					11.15	198-254 V, 50 Hz	F2
NL11MF	105G6156	M/HBP		471	756	938	1400	1687			626	1.61	1121	2.19	11.15	187-254 V, 50 Hz	F2
NLE11MF.2	105G6197	MBP		513	821	1018	1509		331	1.41	680	1.88	1211	2.50	11.15	198-242 V, 50 Hz	F2
SC10GHH	104G8071	HBP		321	580	750	1173	1426			472	1.69	931	2.62	10.29	198-254 V, 50 Hz	F1
SC15F	104G8500	LBP	126	545	901				324	1.11	745	1.59			15.28	198-254 V, 50 Hz	F1
SC15GHH	104G8571	HBP		533	897	1128	1746	2154			739	1.84	1382	2.66	15.28	198-254 V, 50 Hz	F1
SC15MFX	104G8501	MBP		569	951	1185	1749		326	1.10	785	1.66	1408	2.31	15.28	198-254 V, 50 Hz	F2
SC18F	104G8800	LBP	159	640	1041				389	1.17	863	1.62			17.69	198-254 V, 50 Hz	F1
SC18GH	104G8860	HBP		666	1061	1338	2048	2482			875	1.62	1632	2.27	17.69	198-254 V, 50 Hz	F2
SC21F	104G8100	LBP	228	742	1218				458	1.14	1007	1.54			20.95	198-254 V, 50 Hz	F1
SC21FTX	104G8105	LBP	241	884	1391				569	1.27	1156	1.76			20.95	187-254 V, 50 Hz	F2
SC21MFX	104G8120	MBP		845	1344	1665	2481		549	1.29	1114	1.76	1988	2.46	20.95	187-254 V, 50 Hz	F2
SC12/12G	104G8280	L/M/HBP		865	1498	1907	2942	3582	497	1.03	1228	1.60	2340	2.29	25.74	187-254 V, 50 Hz	F2
SC15/15G	104G8580	L/M/HBP		1054	1808	2255	3338	3996	521	1.01	1491	1.56	2682	2.20	30.56	187-254 V, 50 Hz	F2
SC18/18G	104G8880	L/M/HBP		1298	2150	2688	4026	4843	782	1.12	1774	1.63	3225	2.24	35.38	187-254 V, 50 Hz	F2
SC21/21G	104G8180	L/M/HBP		1508	2520	3156	4704	5621	921	1.13	2076	1.67	3777	2.29	41.90	187-254 V, 50 Hz	F2
GS26GHX	107B0702	HBP		1087	1746	2172	3268	3960			1445	1.79	2611	2.50	26.30	198-254 V, 50 Hz	F2
GS26MFX	107B0700	MBP		1078	1747	2170					1446	1.82			26.30	198-254 V, 50 Hz	F2
GS34MFX	107B0701	MBP		1400	2284	2848					1888	1.80	3424	2.44	33.80	198-254 V, 50 Hz	F2

Electrical equipment

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSR) * alt. cable lengths avail.			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	• optional • compulsory *		Starting relay	Starting capacitor	Starting device *	Cord relief	Cover
A	B	Suction C	Process D	Dis-charge E		Spades		Spades		Spades	Spades		Spades		Spades		
						6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm		
129	127	6.2	6.2	5.0		103N0011	103N0018									103N1010	103N0491
134	132	6.2	6.2	5.0		103N0011	103N0018									103N1010	103N0491
137	135	6.2	6.2	5.0		103N0011	103N0018									103N1010	103N0491
137	135	6.2	6.2	5.0	X								117U6021	117U5014		103N1010	103N0491
140	138	6.2	6.2	5.0				103N0016	103N0021			117-7117	* 117-7119 *			103N1010	103N0491
173	169	6.5	6.5	5.0	X											117U0349	117U1023
163	159	6.2	6.2	5.0	X	103N0011	103N0018									103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018						117U6007	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021			117-7117	117-7119			103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018						117U6007	117U5014		103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018						117U6009	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021			117-7117	117-7119			103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018						117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018						117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021			117-7117	117-7119			103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018						117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119	117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021		117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018						117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021		117-7117	117-7119	117U6000	117U5014		103N1010	103N2010
196	191	8.2	6.2	6.2	X	103N0011	103N0018						117U6010	117U5015		103N1010	103N2010
203	197	8.2	6.5	6.5	X								117U4140	117U5018		117U0349	117U1023
203	197	8.2	6.5	6.5	X								117U4140	117U5018		117U0349	117U1021
203	197	8.2	6.5	6.5	X								117U4139	117U5018		117U0349	117U1023
188	182	6.2	6.2	5.0		103N0011	103N0018						117U6000	117U5015		103N1010	103N2010
190	184	6.2	6.2	5.0		103N0011	103N0018						117U6000	117U5015		103N1010	103N2010
188	181	6.2	6.2	5.0		103N0011	103N0018						117U6004	117U5015		103N1010	103N2010
188	182	6.2	6.2	5.0		103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
190	183	6.2	6.2	5.0		103N0011	103N0018						117U6000	117U5015		103N1010	103N2010
197	191	6.2	6.2	5.0		103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
197	191	6.2	6.2	5.0		103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
190	184	6.2	6.2	5.0	X	103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
197	191	8.2	6.2	6.2		103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
197	191	6.2	6.2	5.0	X	103N0011	103N0018						117U6015	117U5015		103N1010	103N2010
197	191	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021			117-7117	117-7119			103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018			103N0050		117-7119	117U6002	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2		103N0011	103N0018						117U6003	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2						103N0050		117-7119	117U6002	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018						117U6002	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018						117U6022	117U5018		103N1010	103N2011
203	197	8.2	6.2	6.2						103N0050		117-7119	117U6003	117U5015		103N1010	103N2010
209	203	10.2	6.2	8.2	X									117U5372	117-7025	103N1004	103N2009
209	203	8.2	6.2	6.2		103N0011							117U6003	117U5017		103N1004	103N2009
209	203	10.2	6.2	8.2	X									117U5373	117-7027	103N1004	103N2009
209	203	10.2	6.2	6.2									117U6005	117U5017		103N1004	103N2008
209	203	10.2	6.2	6.2									117U6005	117U5017		103N1004	103N2009
219	213	10.2	6.2	8.2									117U6019	117U5017		103N1004	103N2009
219	213	10.2	6.2	6.2									117U6019	117U5017		103N1004	103N2009
219	213	10.2	6.2	6.2									117U6019	117U5017		103N1004	103N2009
219	213	10.2	6.2	6.2									117U6019	117U5017	117-7039	103N1004	103N2009
249	244	12	6.2	6.2									117U6003	117U5017		103N1004	103N2009
249	244	12	6.2	6.2									117U6005	117U5017		103N1004	103N2009
259	254	16	6.2	6.2									117U6019	117U5017		103N1004	103N2009
259	254	16	6.2	6.2										117U5373	117-7029	103N1004	103N2009
259	247	12.9	6.5	8.2											117-7070		107B9101
259	247	12.9	6.5	8.2											117-7055		107B9101
259	247	12.9	6.5	8.2											117-7056		107B9101

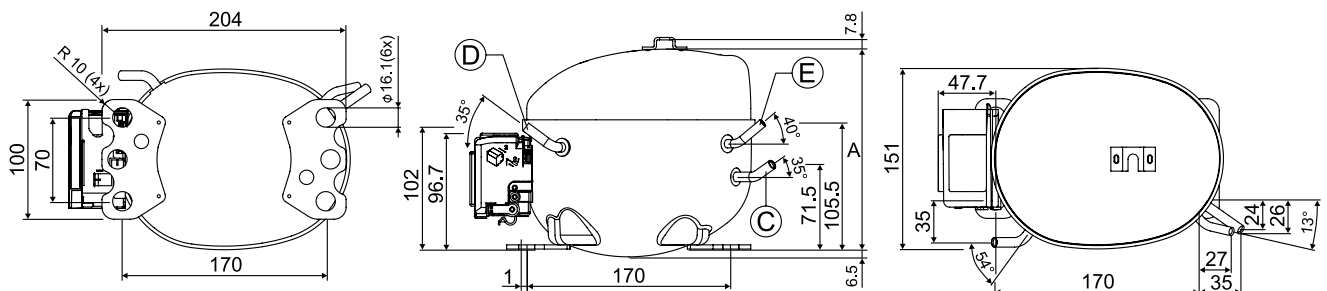
R134a • 220-240 V • 50/60 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T _c =54.4°C, T _{liq} =32.2°C, T _{suc} =32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm ³]	Voltage and frequencies [* dual frequency type with 50/60 Hz]	Compressor cooling cooling (refer to data sheet)
			-35	-15	-5	0	10	15	LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
									Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]			
PL35G	101G0250	L/M/HBP		66	111	140	214	261	39	0.79	91	1.27	170	1.83	2.00	198-254 V, 50 Hz *	F1
TL2.5G	102G4251	L/M/HBP	14	86	144	181	273	331	51	0.82	119	1.32	218	1.86	2.61	187-254 V, 50 Hz *	S
TL3G	102G4350	L/M/HBP		100	169	212	322	390	58	0.85	139	1.34	257	1.86	3.13	187-254 V, 50 Hz *	S
TL4G	102G4452	L/M/HBP		133	223	280	425	515	81	0.94	184	1.46	340	2.15	3.86	187-254 V, 50 Hz *	S
TL4GH	102G4455	HBP		130	226	286	440	535			185	1.44	350	2.14	3.86	198-254 V, 50 Hz *	F2
TL5G	102G4550	L/M/HBP		173	278	345	515	619	109	1.03	230	1.43	412	1.94	5.08	187-254 V, 50 Hz *	S
TLES6.5FT.3	102G4724	LBP	89	283					183	1.33					6.49	187-254 V, 50 Hz *	S
TLES7FT.4	102G4708	LBP	89	283					183	1.33					6.49	187-254 V, 50 Hz *	S
FR6G	103G6660	L/M/HBP		212	360	453	687		120	1.04	296	1.59	548	2.20	6.23	187-254 V, 50 Hz *	F1
FR7.5G	103G6680	L/M/HBP		240	403	506	769		140	1.06	331	1.57	613	2.18	6.93	187-254 V, 50 Hz *	F1
FR7GH	103G6683	HBP		247	407	519	817	1007			334	1.60	645	2.44	6.93	198-254 V, 50 Hz *	F2
FR8.5G	103G6780	L/M/HBP		283	473	594	898		172	1.08	389	1.56	718	2.15	7.95	187-254 V, 50 Hz *	F1
FR10G	103G6880	L/M/HBP		309	511	640	969		189	1.01	421	1.48	773	2.07	9.05	187-254 V, 50 Hz *	F1
NF10FX	105G6846	L/MBP	127	418	671	832			267	0.94	556	1.42	991	2.06	10.09	198-242 V, 50 Hz *	F1
NL6.1MF	105G6660	MBP		234	388	485	732	885			320	1.61	585	2.33	6.13	187-254 V, 50 Hz *	S
NL6FT	105G6628	LBP	74	245					157	1.21					6.13	187-254 V, 50 Hz *	S
NL7.3MF	105G6772	MBP		293	477	596	895	1081			394	1.64	716	2.32	7.27	187-254 V, 50 Hz *	F1
NL8.4MF	105G6879	MBP		343	551	686	1028	1240			456	1.64	822	2.27	8.35	187-254 V, 50 Hz *	F1
NL9FT	105G6059	LBP	107	340					220	1.23					8.35	187-254 V, 50 Hz *	S
NL10MF	105G6885	MBP		428	687	853	1273	1534			569	1.64	1019	2.27	10.09	187-254 V, 50 Hz *	F1
NLE12.6MF.2	105G6387	L/MBP	245	554	909	1137	1697		361	1.55	750	2.07	1362	2.78	12.55	198-254 V, 50 Hz *	F2
NLE12.6MFT	105G6388	L/MBP	245	554	909	1137	1697		361	1.55	750	2.07	1362	2.78	12.55	187-254 V, 50 Hz *	F2
SC10G	104G8000	L/M/HBP	30	333	603	766	1149	1368	168	0.87	493	1.59	923	2.35	10.29	187-254 V, 50 Hz *	F2
SC10GH	104G8041	HBP		289	592	761	1156	1392			481	1.56	925	2.28	10.29	198-254 V, 50 Hz *	F2
SC12FT	104G8205	LBP	129	506	802				321	1.15	666	1.64			12.87	187-254 V, 50 Hz *	F1
SC12G	104G8240	L/M/HBP	81	433	749	954	1471	1791	248	1.03	614	1.60	1170	2.29	12.87	187-254 V, 50 Hz *	F2
SC12GH	104G8261	HBP		377	718	936	1489	1835			583	1.51	1175	2.34	12.87	198-254 V, 50 Hz *	F2
SC15FT	104G8505	LBP	157	606	958				386	1.18	796	1.65			15.28	187-254 V, 50 Hz *	F2
SC15G	104G8520	L/M/HBP		527	904	1127	1669	1998	260	1.01	745	1.56	1341	2.20	15.28	187-254 V, 50 Hz *	F2
SC15GH	104G8561	HBP		518	898	1137	1741	2117			737	1.60	1386	2.41	15.28	198-254 V, 50 Hz *	F2
SC15GHH	104G8572	HBP		533	897	1128	1746	2154			739	1.84	1382	2.66	15.28	198-254 V, 50 Hz *	F1
SC18FTX	104G8805	LBP	181	703	1113				448	1.17	924	1.68			17.69	187-254 V, 50 Hz *	F2
SC18G	104G8820	L/M/HBP		658	1081	1348	2011	2417	397	1.13	893	1.58	1612	2.21	17.69	187-254 V, 50 Hz *	F2
SC18GH	104G8861	HBP		602	1025	1302	2015	2465			841	1.74	1599	2.57	17.69	198-254 V, 50 Hz *	F2
SC18MFX	104G8804	MBP		697	1131	1410	2122		440	1.21	934	1.73	1696	2.51	17.69	187-254 V, 50 Hz *	F2
SC21G	104G8140	L/M/HBP		755	1261	1579	2352	2810	461	1.23	1039	1.68	1889	2.40	20.95	187-254 V, 50 Hz *	F2

KAPPA-AT • R134a • 200-240 V • 50 Hz

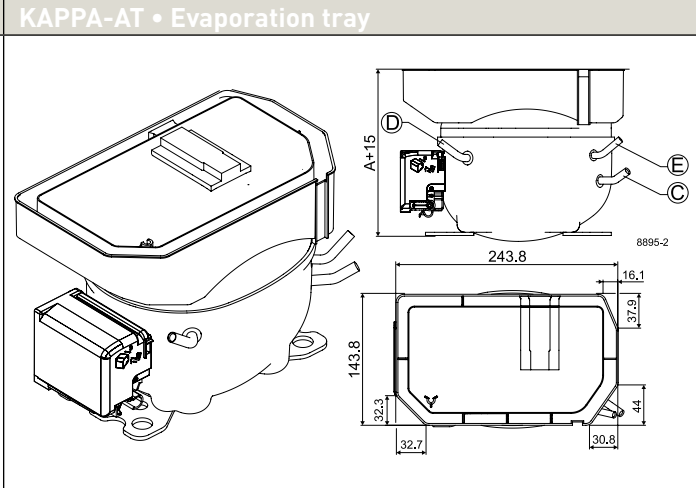
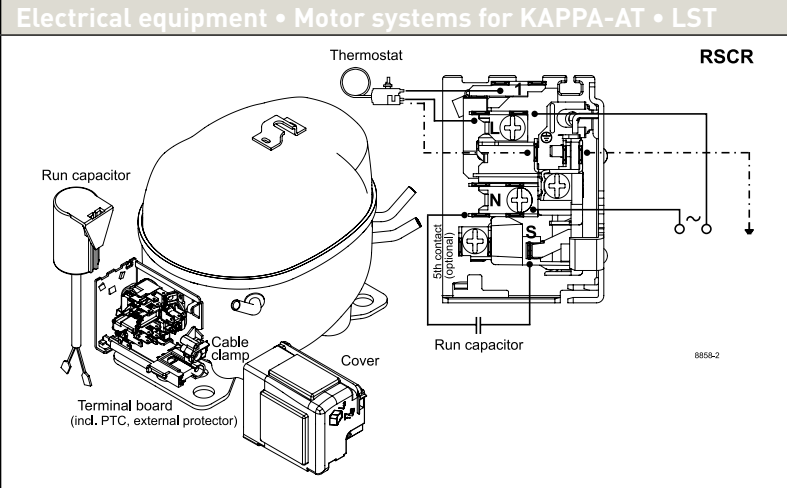
Compressor	Code number	Application	ASHRAE Capacity [W] T _c =54.4°C, T _{liq} =32.2°C, T _{suc} =32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm ³]	Voltage and frequencies [* dual frequency type with 50/60 Hz]	Compressor cooling cooling (refer to data sheet)
			-35	-15	-5	0	10	15	LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
									Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]			
GTK55AT	CD000153	LBP	69	261					170	1.55					5.60	170-264 V, 50 Hz	S
GTK70AT	CD000154	LBP	97	311					205	1.60					6.64	170-264 V, 50 Hz	S
GTK80AT	CD000155	LBP	107	352					232	1.60					7.70	170-264 V, 50 Hz	S

KAPPA-AT

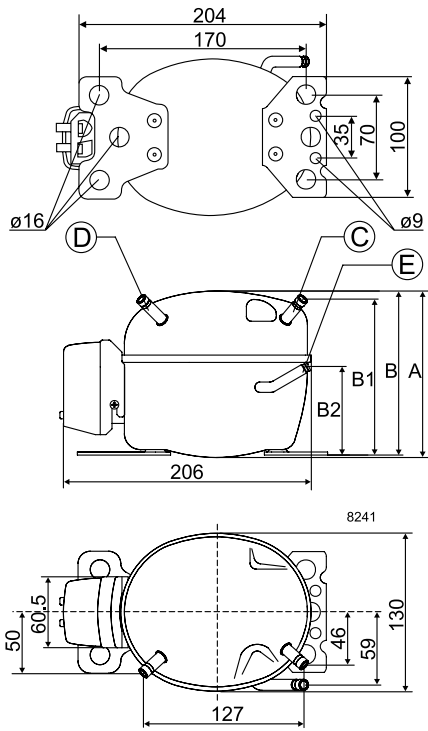


Electrical equipment																	
Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSR) * alt. cable lengths avail.			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	• optional • compulsory *		Starting relay	Starting capacitor	Starting device *	Cord relief	Cover
A	B	Suction C	Process D	Dis-charge E		Spades		Spades		Spades	Spades		Spades		Spades		
						6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm		
137	135	6.2	6.2	5.0	X	103N0011	103N0018						117U6021	117U5014		103N1010	103N0491
163	159	6.2	6.2	5.0	X	103N0011	103N0018						117U6007	117U5014		103N1010	103N2011
163	159	6.2	6.2	5.0	X	103N0011	103N0018						117U6009	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018						117U6004	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0									117U6000	117U5014		103N1010	103N2011
173	169	6.2	6.2	5.0	X	103N0011	103N0018						117U6000	117U5014		103N1010	103N2010
173	169	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021		117-7117	117-7119	117U6016	117U5014		103N1010	103N2010
173	169	6.5	6.5	5.0		103N0011	103N0018	103N0016	103N0021		117-7117	117-7119	117U6016	117U5014		103N1010	103N2010
196	191	8.2	6.2	6.2		103N0011	103N0018						117U6000	117U5015		103N1010	103N2010
196	191	8.2	6.2	6.2	X	103N0011	103N0018						117U6001	117U5015		103N1010	103N2010
196	191	8.2	6.2	8.2									117U6016	117U5015		103N1010	103N2011
196	191	8.2	6.2	6.2		103N0011	103N0018						117U6015	117U5015		103N1010	103N2010
196	191	8.2	6.2	6.2	X	103N0011	103N0018						117U6010	117U5015		103N1010	103N2010
203	197	8.2	6.5	6.5	X								117U4139	117U5018		117U0349	117U1021
190	184	8.2	6.2	6.2	X	103N0011	103N0018						117U6015	117U5015		103N1010	103N2011
197	191	6.2	6.2	5.0		103N0011	103N0018						117U6000	117U5015		103N1010	103N2010
197	191	8.2	6.2	6.2	X	103N0011	103N0018						117U6016	117U5015		103N1010	103N2011
197	191	8.2	6.2	6.2	X	103N0011	103N0018						117U6016	117U5015		103N1010	103N2011
197	191	6.2	6.2	5.0	X	103N0011	103N0018						117U6015	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018						117U6022	117U5018		103N1010	103N2011
203	197	8.2	6.2	6.2						103N0050		117-7119	117U6005	117U5015		103N1010	103N2010
203	197	8.2	6.2	6.2						103N0050		117-7119	117U6005	117U5015		103N1010	103N2010
199	193	8.2	6.2	6.2		103N0011							117U6002	117U5017		103N1004	103N2009
209	203	10.2	6.2	8.2									117U6005	117U5017		103N1004	103N2008
209	203	8.2	6.2	6.2		103N0011							117U6003	117U5017		103N1004	103N2009
209	203	8.2	6.2	6.2	X	103N0011							117U6003	117U5017		103N1004	103N2009
209	203	10.2	6.2	8.2									117U6011	117U5017		103N1004	103N2008
209	203	10.2	6.2	6.2	X	103N0011							117U6005	117U5017		103N1004	103N2009
209	203	10.2	6.2	6.2	X								117U6005	117U5017		103N1004	103N2009
209	203	10.2	6.2	8.2	X								117U6011	117U5017		103N1004	103N2008
209	203	10.2	6.2	8.2	X									117U5373	117-7027	103N1004	103N2009
219	213	10.2	6.2	6.2	X								117U6019	117U5017		103N1004	103N2009
219	213	10.2	6.2	6.2	X								117U6019	117U5017		103N1004	103N2009
219	213	10.2	6.2	8.2									117U5373	117-7039	103N1004	103N2008	
219	213	10.2	6.2	6.2									117U6019	117U5017	117-7027	103N1004	103N2008
219	213	10.2	6.2	6.2	X								117U5373	117-7029	103N1004	103N2009	

Electrical equipment • Spare parts • Accessories															
Dimensions						Run capacitor	Terminal board	Terminal board	Cable clamp	Cover	Evaporation tray	All-in-one equipment			
Height [mm]		Connectors location [mm]			alt. connectors available	• optional • compulsory *	• PTC • external protector	• ePTC • external protector	screws not included	V0 material optional	plastic	• cover • cable clamp + screws • earthing screw			
A	B	Suction C (I.D.)	Process D (I.D.)	Dis-charge E (I.D.)		Spades		Spades							
						4.8 6.3 mm	4.8 mm	6.3 mm				4.8 mm			
167		6.15	6.15	5.15		4 µF	ZCFC	DCFC				113410_	157595_	162992_	161680_
167		6.15	6.15	5.15		4 µF	ZCF9	DCF9				113410_	157595_	162992_	161680_
170		6.15	6.15	5.15		4 µF	ZCF9	DCF9				113410_	157595_	162992_	161680_

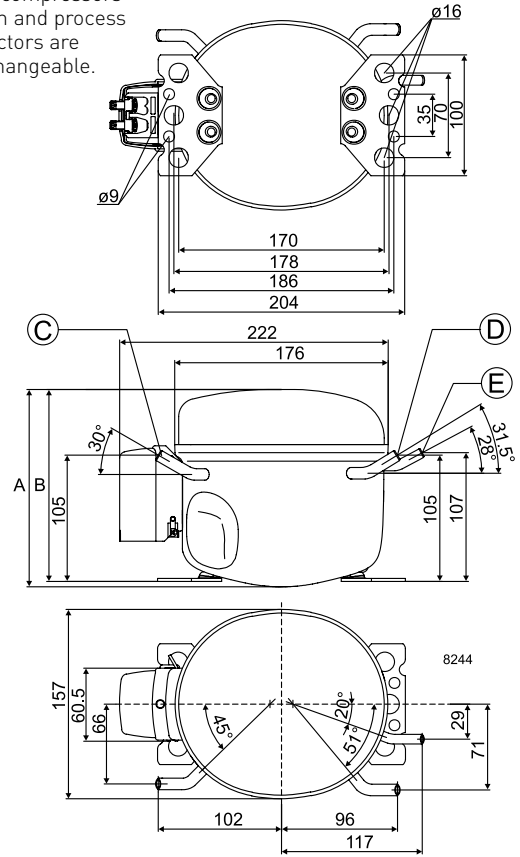


PL / PLE

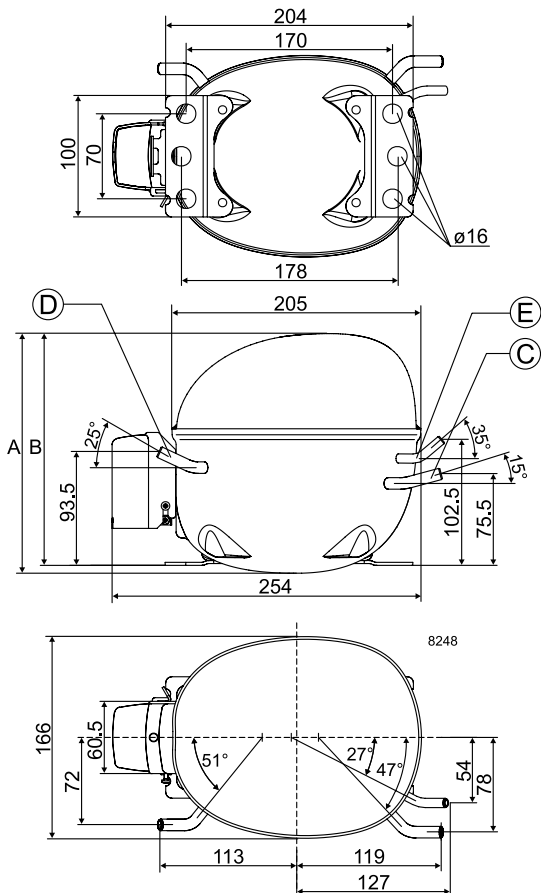


TL / TLS / TLES / TLY

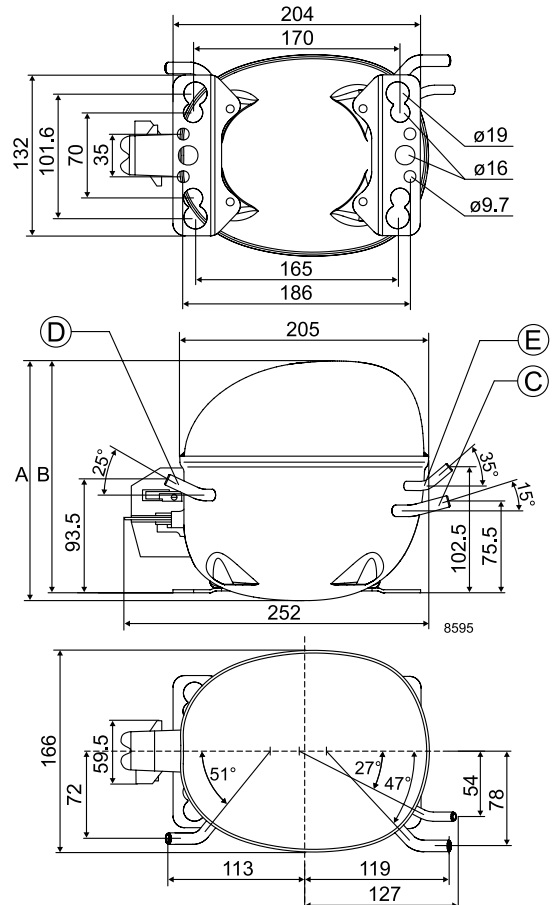
Note:
On TL compressors suction and process connectors are interchangeable.



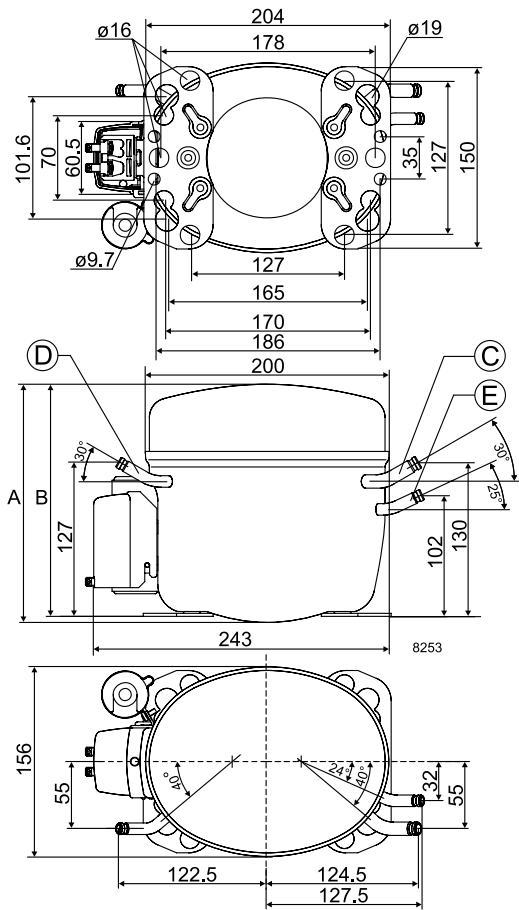
NL / NLE (NLY similar)



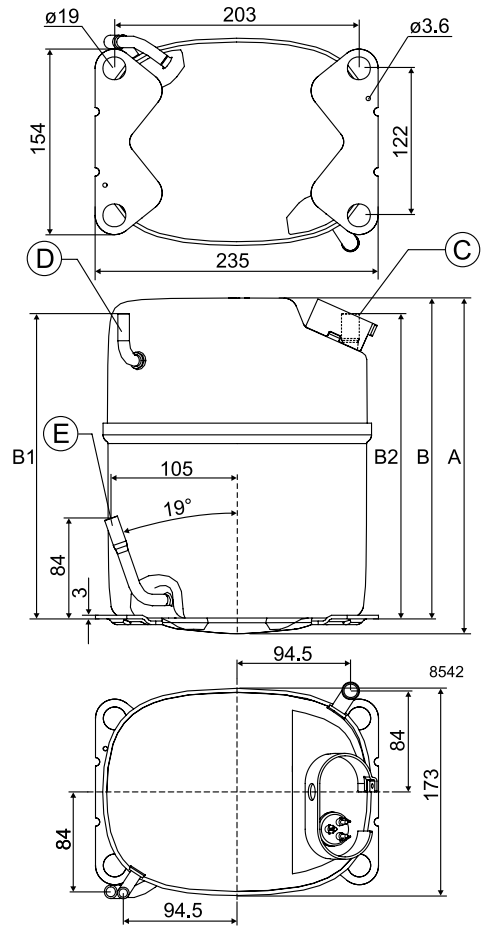
NF



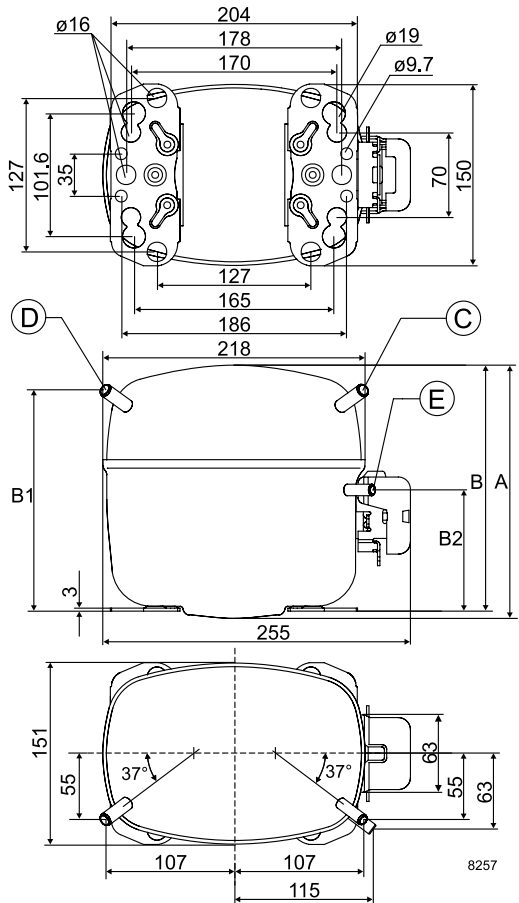
FR



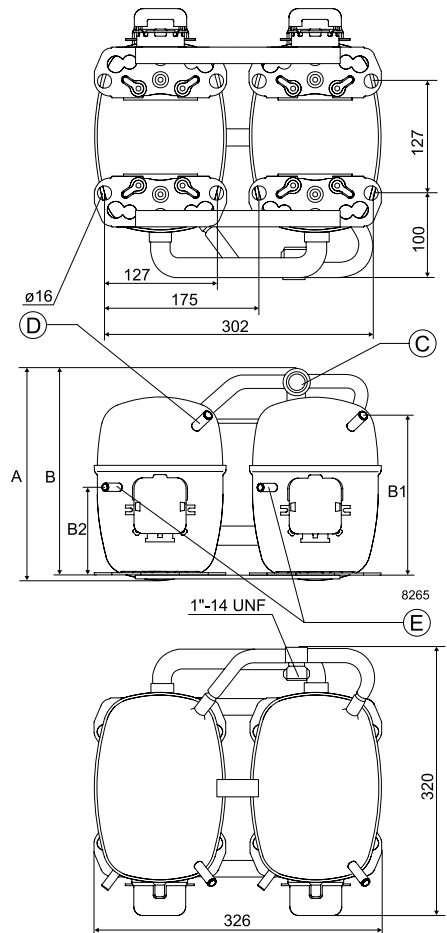
GS

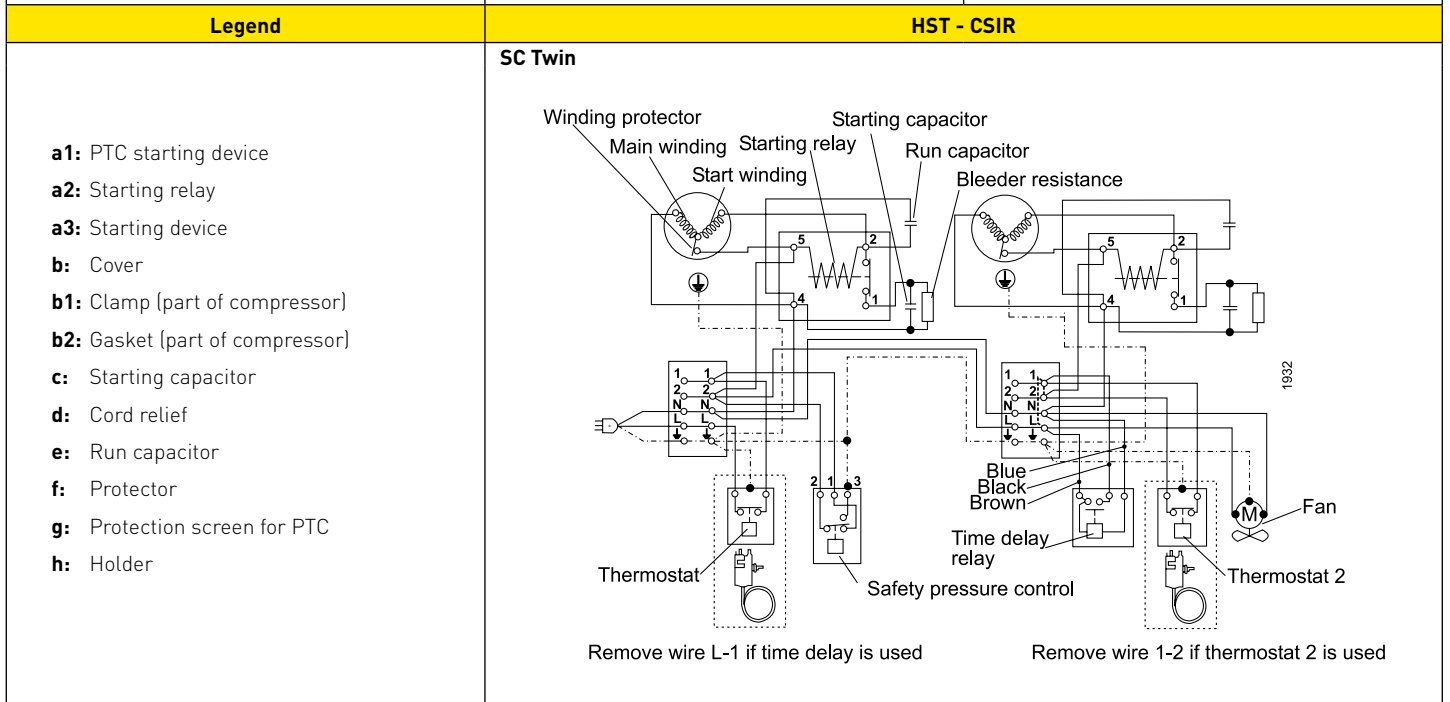
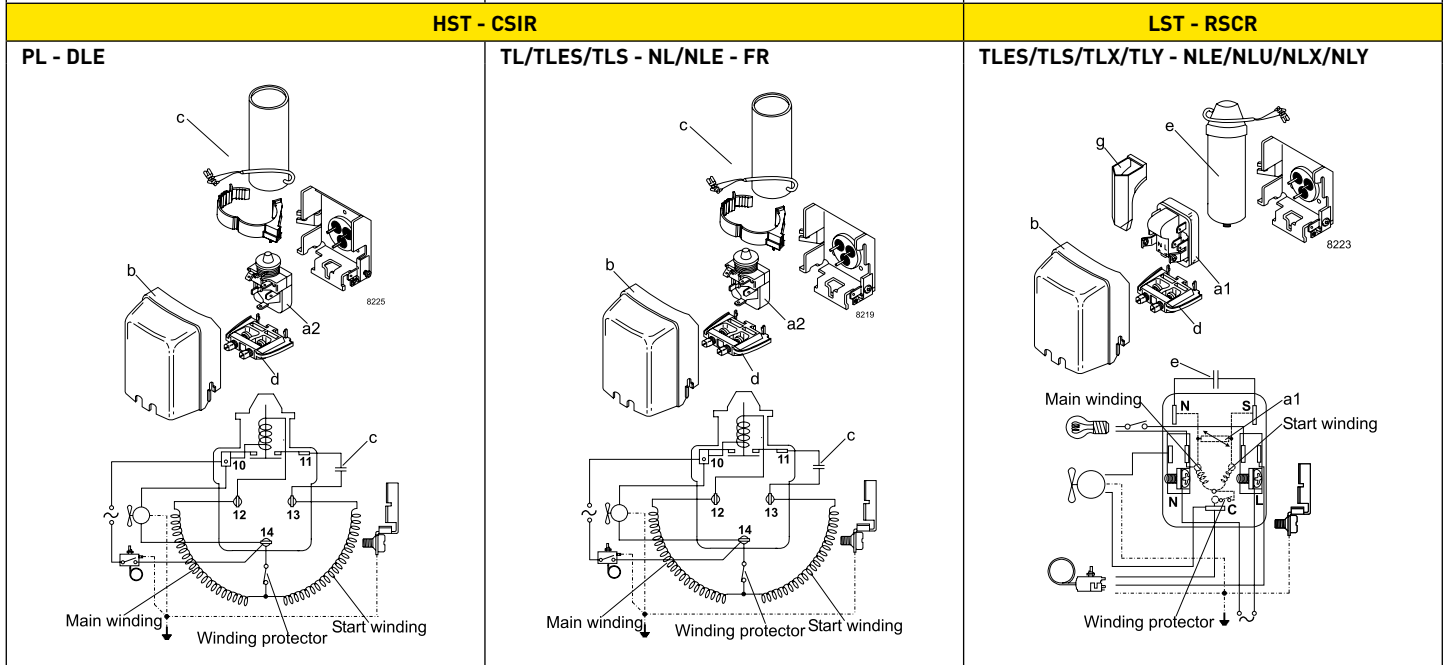
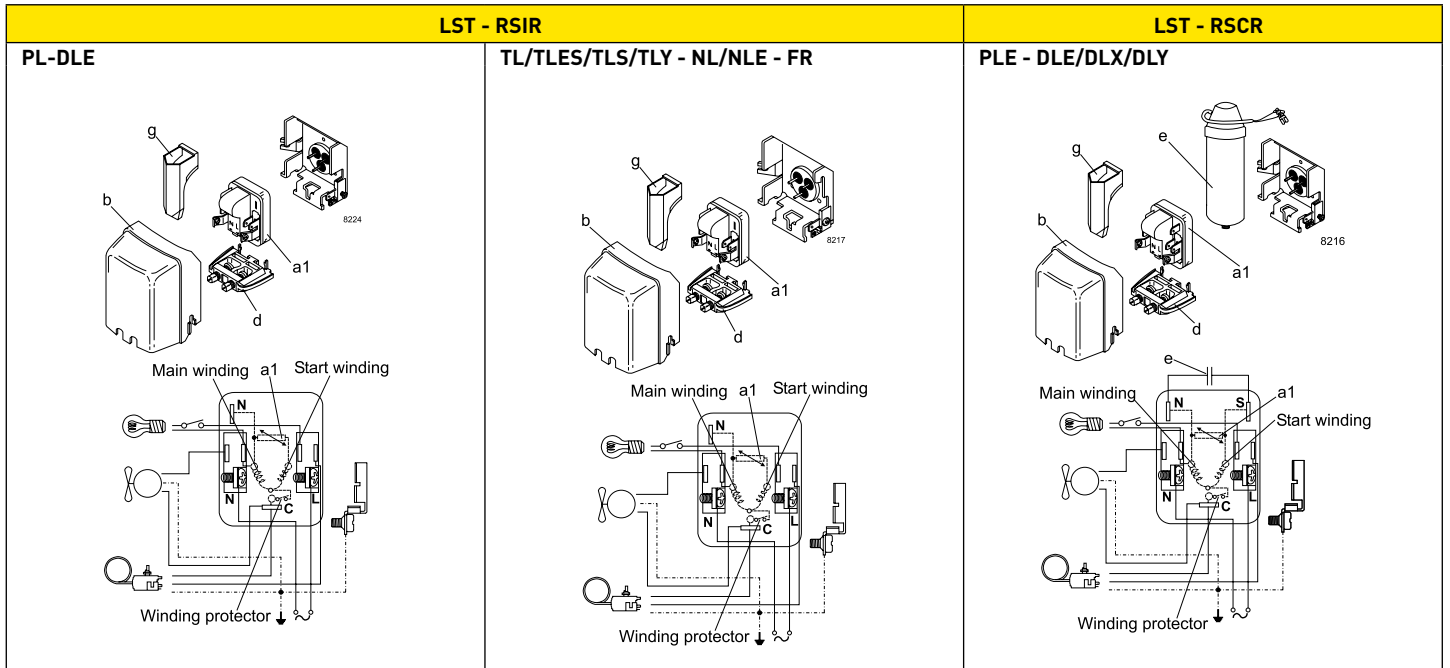


SC (SC-GHH w. additional oil cooler connector)



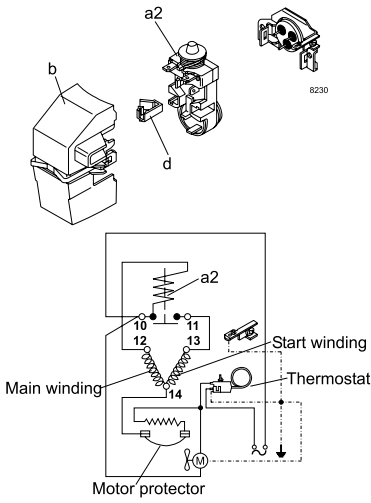
SC-Twin



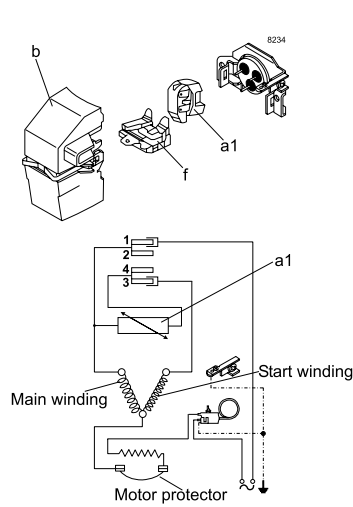


LST - RSIR

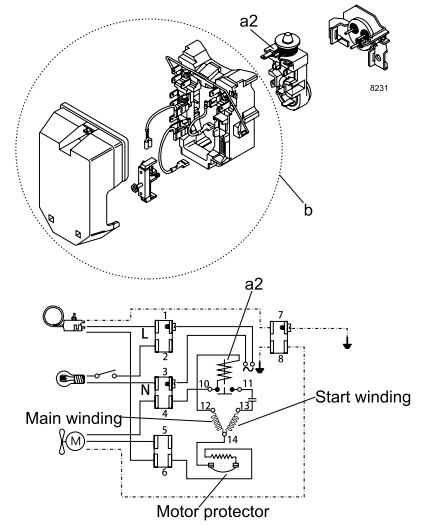
TF/TFS - NF - FF - external protector



TT - external protector

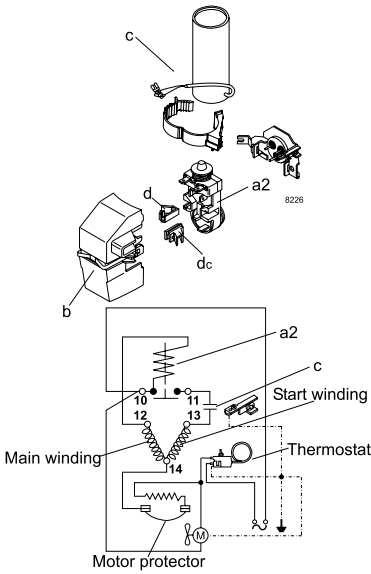


TF - NF - FF - external protector

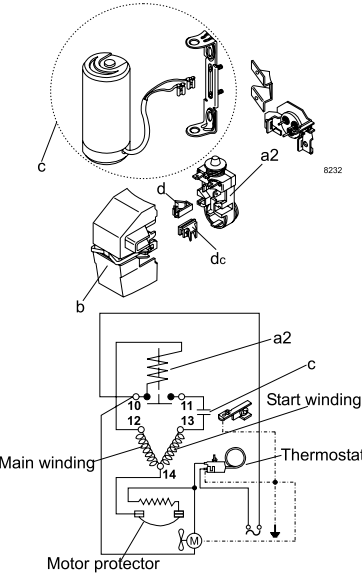


HST - CSIR

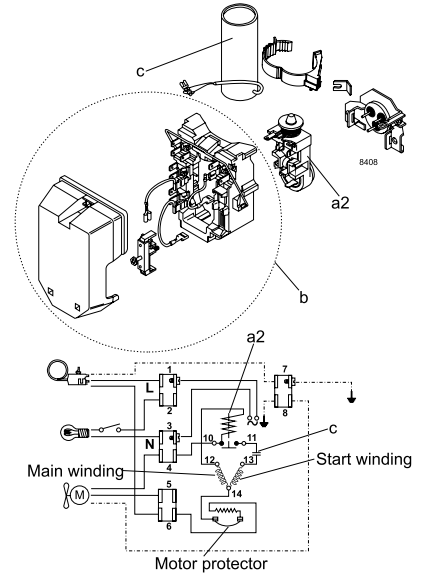
TFS - NF - FF - external protector



FF - external protector

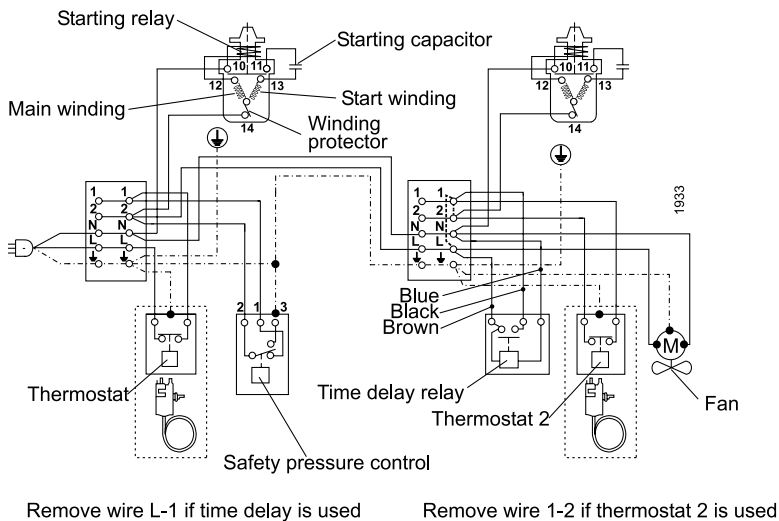


TF - NF - FF - external protector



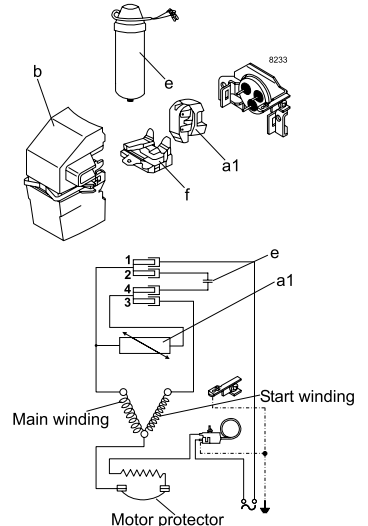
HST - CSR

SC Twin

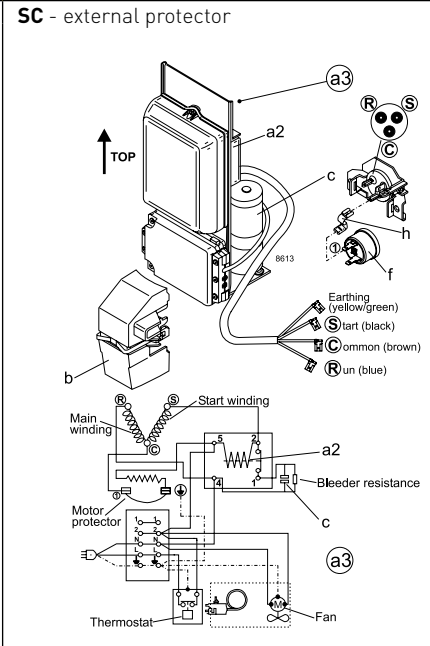
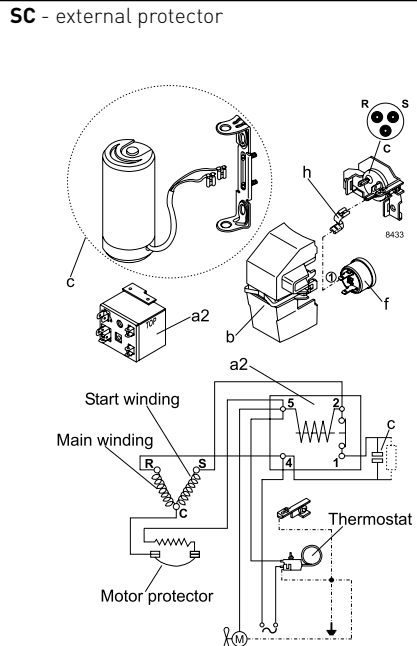
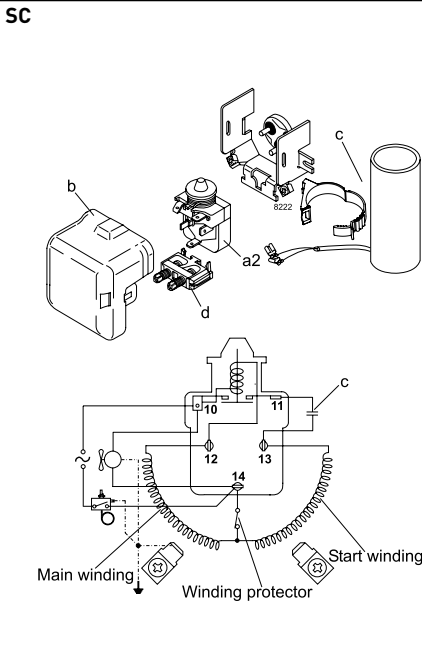


LST - RSCR

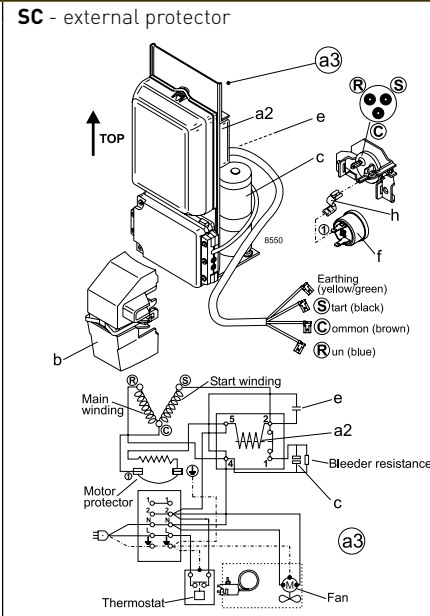
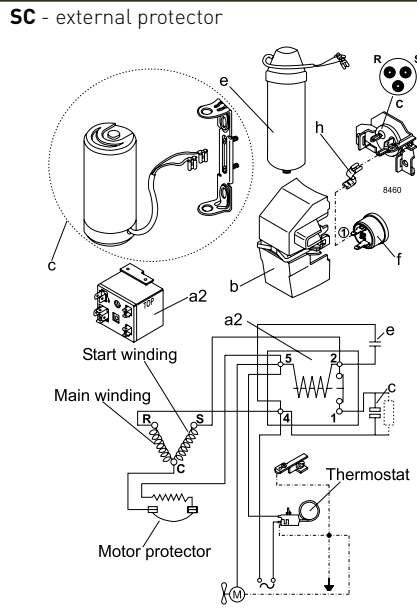
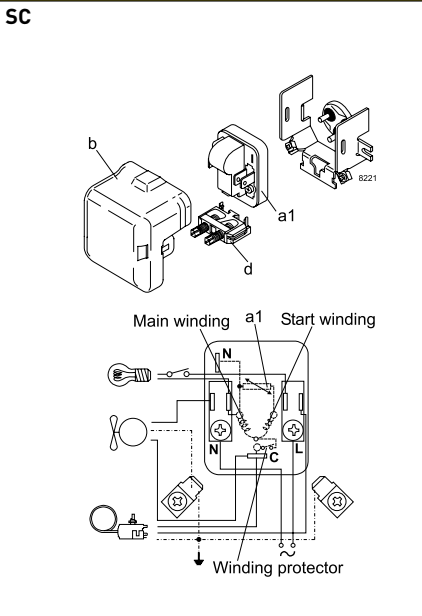
TTE/TTY - NTX/NTY - external protector



HST - CSIR

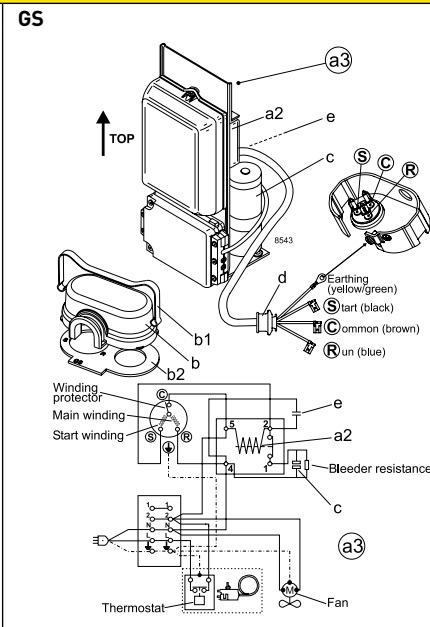
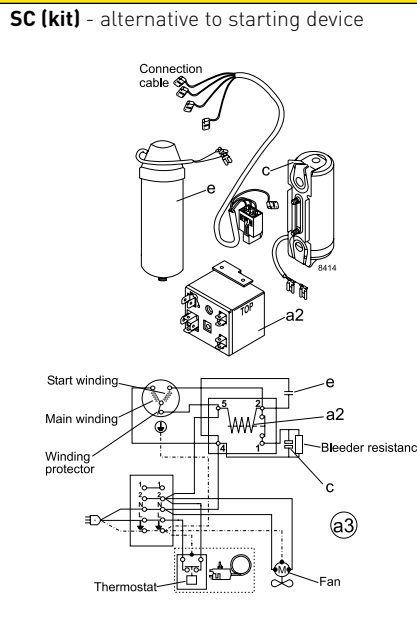
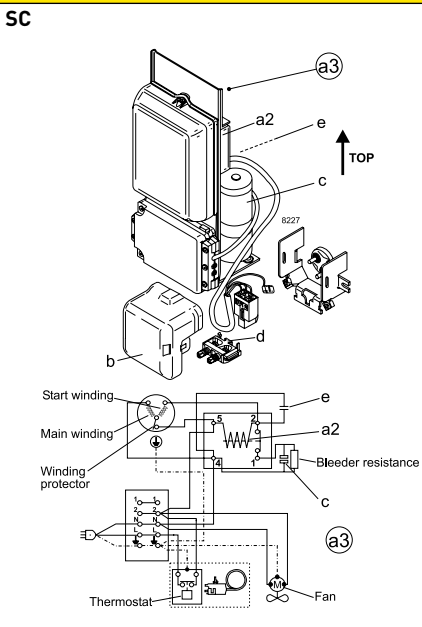


LST - RSIR



HST - CSR

HST - CSR



Mounting accessories

Mounting	Code number	Bolt / pin dimension	Comp. base hole	Type of packaging	Compressor series	Parts list
Bolt joint	118-1917	M6 metric	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	BD- / P- / T- / X- / D- / N- / F- / S-Series	I
Bolt joint	107B9150	M8 metric	19 mm	Single pack for one compressor	G-Series	II
Bolt joint	118-1946	1/4 inch	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series	III
Bolt joint	118-1949	1/4 inch	19 mm	Single pack for one compressor	all with 19 mm base holes (except G-Series)	IV
Snap-on	118-1947	Ø 7.3 mm	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series KAPPA / DELTA	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	BD- / P- / T- / X- / D- / N- / F- / S-Series KAPPA / DELTA	V

Parts list (4 pcs. per compressor needed)				Symbol drawings	
I	Sleeve Ø 8 mm x 6.4 mm x 0.8 mm	112-2052		<p>Washer</p> <p>Nut</p> <p>Compressor base</p> <p>Sleeve</p> <p>Cabinet base</p> <p>Bolt</p> <p>Rubber grommet</p> <p>3327-4</p>	
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053			
	Bolt M6 x 25 mm	681X1130			
	Nut M6	118-3659			
	Rubber grommet 16 mm	118-3661			
II	Sleeve Ø 11 mm x 8.6 mm x 1.2 mm	107B9152		<p>Washer</p> <p>Clip</p> <p>Compressor base</p> <p>Steel pin</p> <p>Cabinet base</p> <p>Rubber grommet</p> <p>7362-3</p>	
	Washer Ø 20 mm x Ø 8.8 mm x 1.2 mm	107B9155			
	Bolt M8 x 40 mm	107B9153			
	Nut M8	107B9154			
III	Sleeve Ø 8.3 mm x 6.7 mm x 0,8 mm	112-2088		<p>Washer</p> <p>Clip</p> <p>Compressor base</p> <p>Steel pin</p> <p>Cabinet base</p> <p>Rubber grommet</p> <p>7362-3</p>	
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053			
	Bolt 1/4 x 1 inch, 20 UNC	119-3002			
	Nut 1/4 inch, 20 UNC	119-3031			
IV	Sleeve Ø 9.5 mm x 7.9 mm x 0,8 mm	112-2085		<p>Washer</p> <p>Clip</p> <p>Compressor base</p> <p>Steel pin</p> <p>Cabinet base</p> <p>Rubber grommet</p> <p>7362-3</p>	
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053			
	Bolt 1/4 x 1 1/4 inch, 20 UNC	119-3002			
	Nut 1/4 inch, 20 UNC	119-3031			
V	Rubber grommet 16 mm	118-3661		<p>Washer</p> <p>Clip</p> <p>Compressor base</p> <p>Steel pin</p> <p>Cabinet base</p> <p>Rubber grommet</p> <p>7362-3</p>	
	Steel pin	118-3586			
	Washer Ø 21 x Ø 8.1 mm x 0.9 mm	118-3588			
	Clip	118-3585			

Further information	Accessories for SC Twin
<p>Applications</p> <p>LBP: Low Back Pressure</p> <p>HBP: High Back Pressure</p> <p>MBP: Medium Back Pressure</p> <p>Motor types</p> <p>RSIR: Resistant Start Induction Run</p> <p>RSCR: Resistant Start Capacitor Run</p> <p>CSIR: Capacitor Start Induction Run</p> <p>CSR: Capacitor Start Run</p> <p>Compressor cooling</p> <p>S = Static cooling normally sufficient</p> <p>O = Oil cooling</p> <p>F1 = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)</p> <p>F2 = Fan cooling 3.0 m/s necessary</p> <p>Starting devices</p> <p>LST: Low Starting Torque</p> <p>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.</p> <p>HST: High Starting Torque</p> <p>HST consisting of relay and starting capacitor is used for expansion valve control or for capillary tube control without pressure equalizing.</p> <p>ePTC: Electronically controlled PTC</p> <ul style="list-style-type: none"> Compressor restart possible after a few seconds Operational wattage loss reduced by 2 watt PTC protection screen not needed (surface temp. < 82 °C) 	<p>SC10/10, SC12/12 and SC15/15:</p> <p>Service valve for 12 mm tube 118-7350</p> <p>Solder connector for 12 mm tube 104B0584</p> <p>SC18/18 and SC21/21:</p> <p>Service valve for 16mm tube 118-7351</p> <p>Solder connector for 16mm tube 118-7405</p> <p>SC10/10, SC12/12, SC15/15, SC18/18 and SC21/21:</p> <p>Seal ring for service valve and solder connector 118-3638</p> <p>Time delay relay 117N0001</p> <p>Check valve (to be used with time - delay relay) 020-1014</p> <p>PTC protection screen</p> <p>Note:</p> <p>To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.</p>

OUR IDENTITY

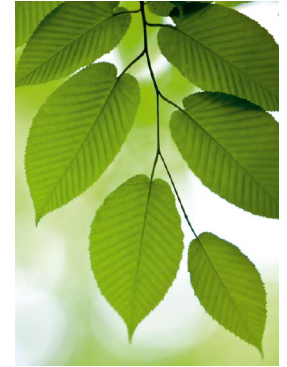
At Secop we are committed to our industry and are genuinely passionate about the difference we are able to make for our customers. We understand their business and objectives and the challenges of today's world of refrigeration and cooling systems.

We work in a straightforward way, being open, direct and honest because we want to make things clear and easy. Our people are committed to increasing value for our customers and constantly strive for better performance, knowing that our own progression and success is dependent on theirs.

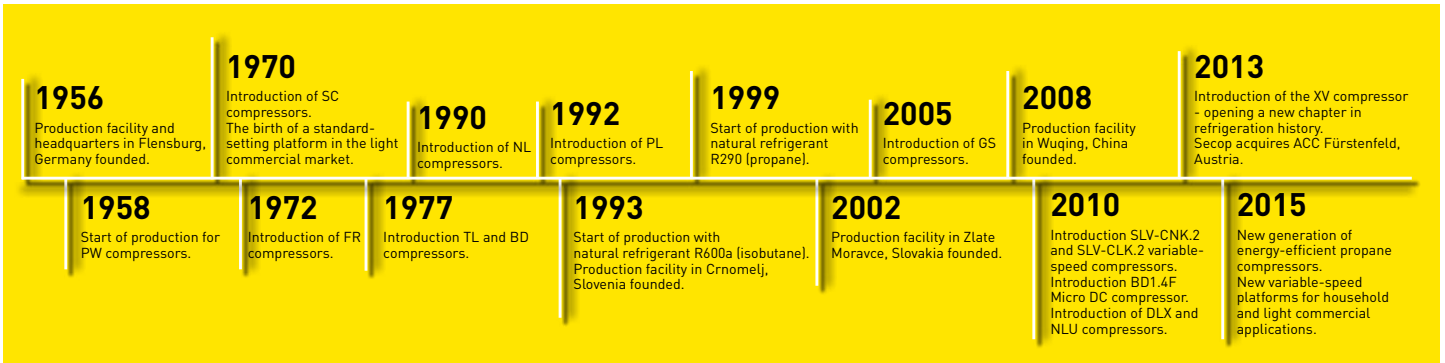
A NEWCOMER WITH 60 YEARS OF EXPERIENCE

Formerly known as Danfoss Compressors, Secop is one of the founding fathers of modern compressor technology with an experience that goes back to the beginning of the 1950s.

For more than 25 years, Secop has been setting the standard in compressor technology by developing highly efficient variable-speed compressors and by compressors working with hydrocarbons.



OUR JOURNEY SO FAR



Low Cooling Capacity High

HOUSEHOLD

LIGHT COMMERCIAL

AC



DC



DC-POWERED