

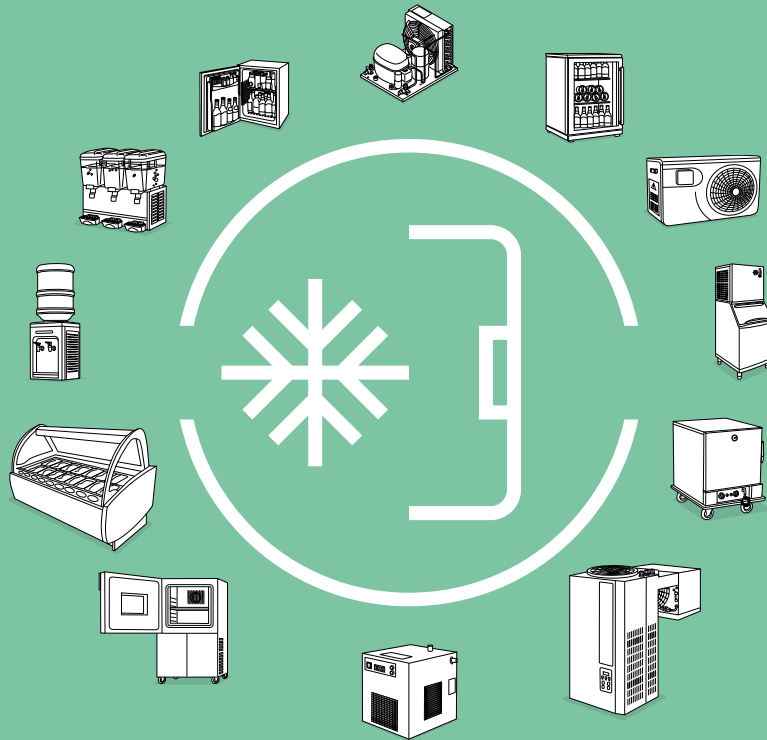
Secop is the first choice for partners looking for leading-edge refrigeration solutions and a premium customer experience.

Secop delivers advanced refrigeration compressors and controls, providing customers tailored sustainable solutions for light commercial, battery-driven, and special cooling applications.

HERMETIC COMPRESSORS HFC REFRIGERANTS

SECCP

R134a · R513A | R404A · R452A



208-230 V · 60 Hz
220-240 V · 50/60 Hz
220-240 V · 50 Hz | 200-240 V · 50 Hz



Energy
Optimized



Wide Application
Range



R404A/R507 · 220-240 V · 50/60 Hz | 208-230 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]							ASHRAE						Displacement [cm³]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling [refer to data sheet]
										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			
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]				
NF7MLX	●	105F3720	MBP	–	547	851	1039	1503	–	–	682	1.49	1164	2.12	7.27	187-254 V, 50 Hz *	F2	
NL6.1MLX	●	105F3611	MBP	–	455	711	869	–	–	291	1.14	569	1.61	975	2.31	6.13	187-254 V, 50 Hz *	F2
SC10CLX		104L2533	L/MBP	130	655	1064	–	–	–	396	1.11	847	1.51	–	–	10.29	198-254 V, 50 Hz *	F2
SC10MLX	●	104L2506	MBP	–	722	1127	1380	–	–	–	–	902	1.54	1553	2.18	10.29	187-254 V, 50 Hz *	F2
SC12CLX		104L2695	LBP	226	1097	–	–	–	–	698	1.23	–	–	–	–	12.87	198-254 V, 60 Hz	F2
SC12CLX.2		104L2699	LBP	317	1085	–	–	–	–	707	1.27	–	–	–	–	12.87	187-254 V, 60 Hz	F2
SC12CLX.2	●	104L2697	LBP	278	899	–	–	–	–	593	1.15	–	–	–	–	12.87	198-254 V, 50 Hz *	F2
SC12MLX	●	104L2606	MBP	–	886	1369	1670	–	–	584	1.15	1096	1.56	1873	2.18	12.87	187-254 V, 50 Hz *	F2
SC15CLX		104L2854	LBP	235	1213	–	–	–	–	774	1.23	–	–	–	–	15.28	198-254 V, 60 Hz	F2
SC15CLX.2	●	104L2897	LBP	413	1337	–	–	–	–	882	1.33	–	–	–	–	15.28	187-254 V, 60 Hz	F2
SC15MLX.2		104L2803	MBP	–	1233	1896	2320	–	–	841	1.20	1518	1.56	2617	2.16	15.28	187-254 V, 60 Hz	F2
SC18CLX.2		104L2195	LBP	520	1554	–	–	–	–	1114	1.39	–	–	–	–	17.69	187-254 V, 60 Hz	F2
SC18MLX		104L2138	MBP	–	1521	2328	2839	–	–	1033	1.18	1866	1.47	3186	1.99	17.69	187-254 V, 60 Hz	F2
SC12/12CLX		104L4034	LBP	450	2182	–	–	–	–	1389	1.23	–	–	–	–	25.74	198-254 V, 60 Hz	F2
GS21CLX		107B0506	LBP	584	1918	–	–	–	–	1258	1.35	–	–	–	–	21.20	187-254 V, 60 Hz	F2
GS21MLX	●	107B0509	MBP	–	2043	3134	3819	–	–	1345	1.46	2513	1.86	4293	2.55	21.20	187-254 V, 60 Hz	F2
GS26CLX		107B0505	LBP	719	2114	–	–	–	–	1425	1.21	–	–	–	–	26.30	187-254 V, 60 Hz	F2

Electrical Equipment

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCSR) *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 (I.D.)	Process D (I.D.)	Dis- charge E (I.D.)		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		
203	197	9.7	6.5	6.5	X	-	-	-	-	-	-	-	117U4139	117U5018	-	103N0349	103N1021
203	197	8.2	6.5	6.5	X	-	-	-	-	-	-	-	117U6022	117U5015	-	103N1010	103N2011
209	203	8.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2008
209	203	8.2	6.5	6.5	-	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
219	213	8.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2008
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	-	-	117-7027	103N1004	103N2008
219	213	8.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2008
219	213	8.2	6.5	6.5	-	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117-7058	103N1004	103N2008
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	-	117U5373	117-7066	103N1004	103N2008
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117-7066	103N1004	103N2008
259	254	12	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
259	247	12.9	6.5	8.2	-	-	-	-	-	-	-	-	-	-	117-7073	-	107B9101
279	267	12.9	6.5	9.7	-	-	-	-	-	-	-	-	-	-	117-7073	-	107B9106
279	267	12.9	6.5	8.2	-	-	-	-	-	-	-	-	-	-	117-7073	-	107B9101

R407C · 220-240 V · 50 Hz

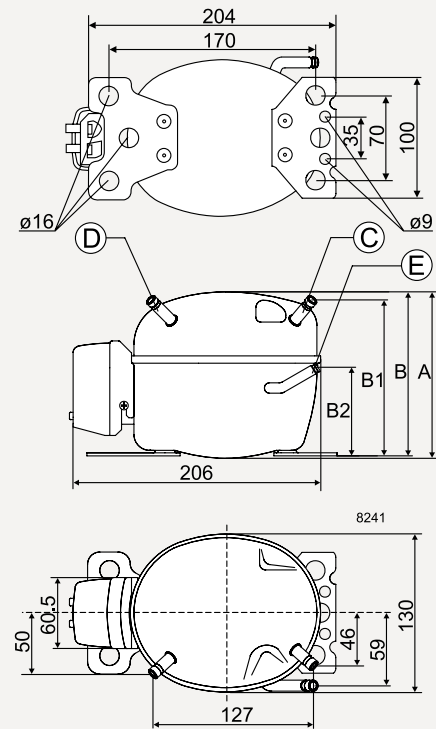
Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]							ASHRAE						Displacement [cm³]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling [refer to data sheet]
										LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
			-35	-15	-5	0	10	15	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]				
SC10DL	104L2525	M/HBP	–	469	842	1074	1653	2013	–	–	685	1.57	1308	2.32	10.29	198-254 V, 50 Hz	F2	
SC12DL	104L2625	M/HBP	–	621	1087	1385	2144	2620	–	–	886	1.58	1692	2.38	12.87	198-254 V, 50 Hz	F2	
SC15DL	104L2856	M/HBP	–	782	1351	1709	2612	3174	–	–	1104	1.70	2069	2.59	15.28	198-254 V, 50 Hz	F2	
SC10/10DL	104L4091	M/HBP	–	937	1685	2148	3307	4026	–	–	1371	1.57	2615	2.32	20.58	198-254 V, 50 Hz	F2	
SC12/12DL	104L4092	M/HBP	–	1241	2174	2769	4287	5239	–	–	1772	1.58	3384	2.38	25.74	198-254 V, 50 Hz	F2	
SC15/15DL	104L4093	M/HBP	–	1563	2703	3419	5224	6348	–	–	2208	1.70	4137	2.59	30.56	198-254 V, 50 Hz	F2	

Electrical Equipment

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *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 (I.D.)	Process D (I.D.)	Dis- charge E (I.D.)		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		
209	203	8.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	X	-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009
249	244	12	6.2	6.2	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
259	254	12	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
259	254	16	6.2	6.2	-	-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009

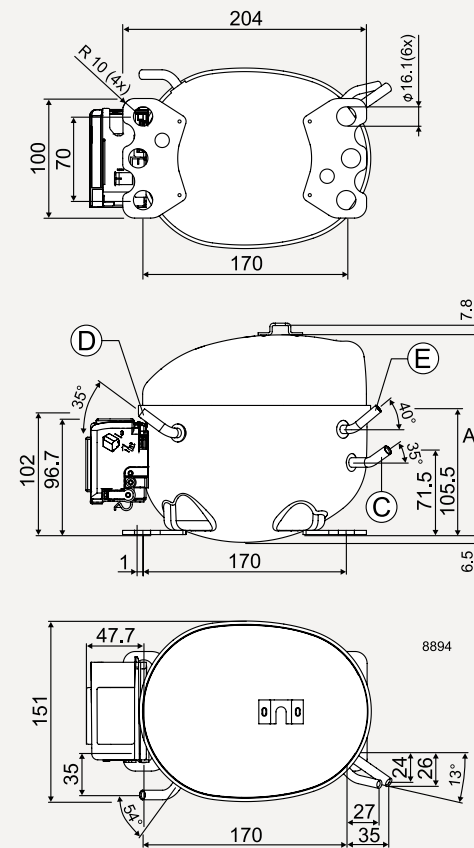


PL

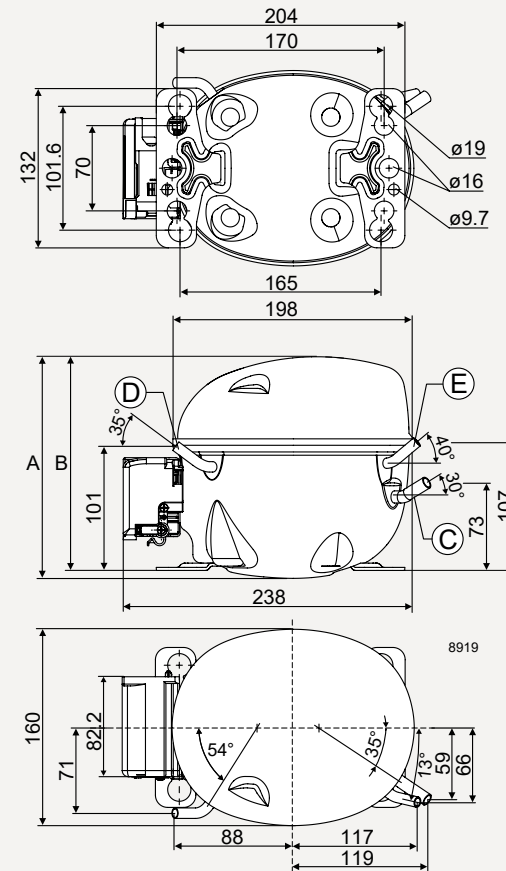


Note:
Please refer to
data sheets for
heights B1 and B2

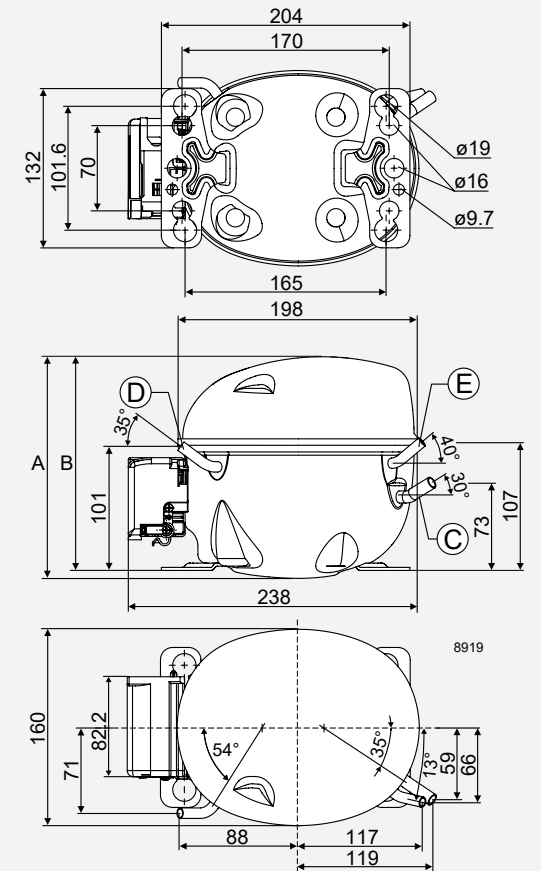
GTK (K-Series)



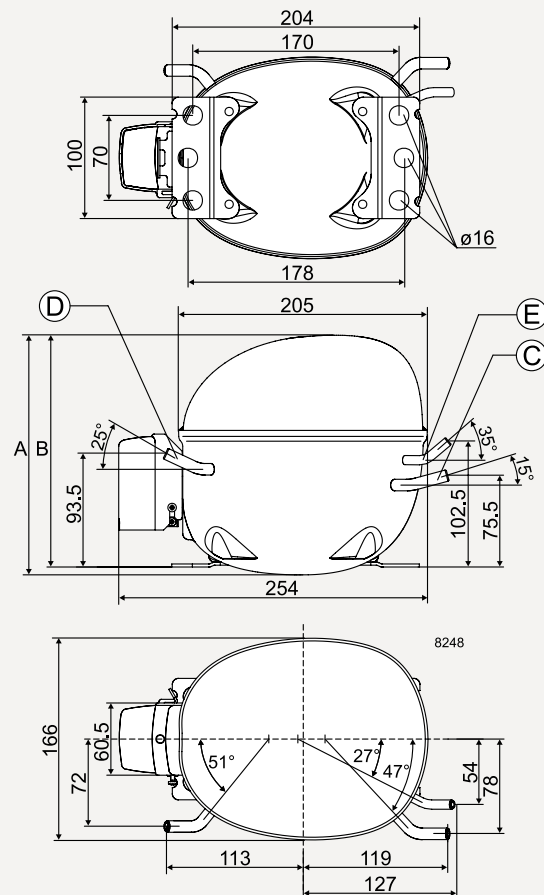
KLE/KLF



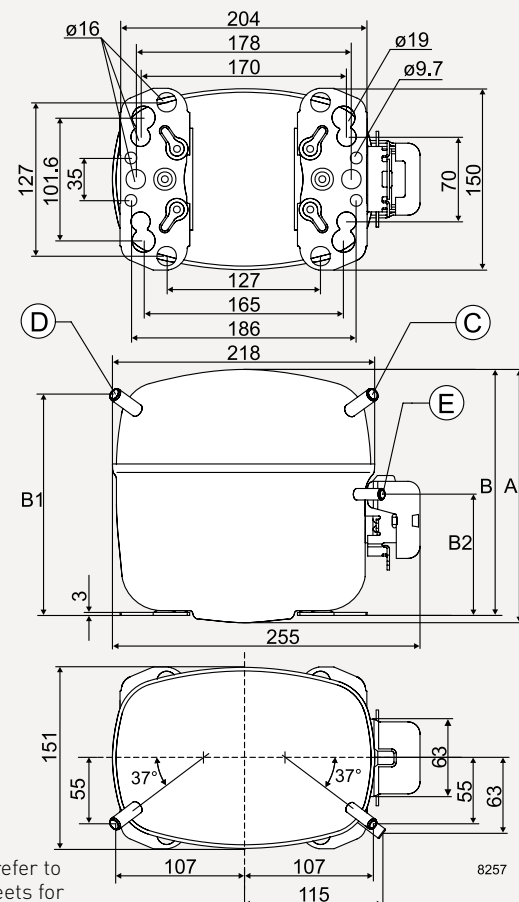
FRK



NL/NLE (NF similar)

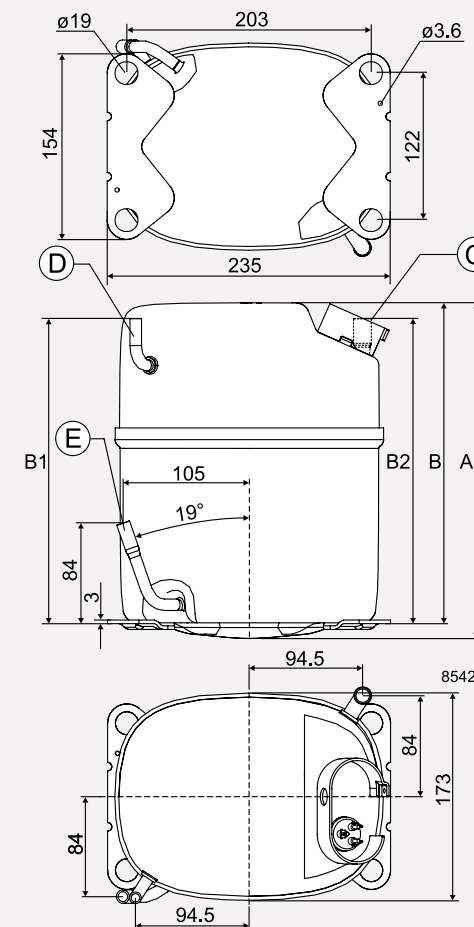


SC (SC-GHH w. additional oil cooler connector)

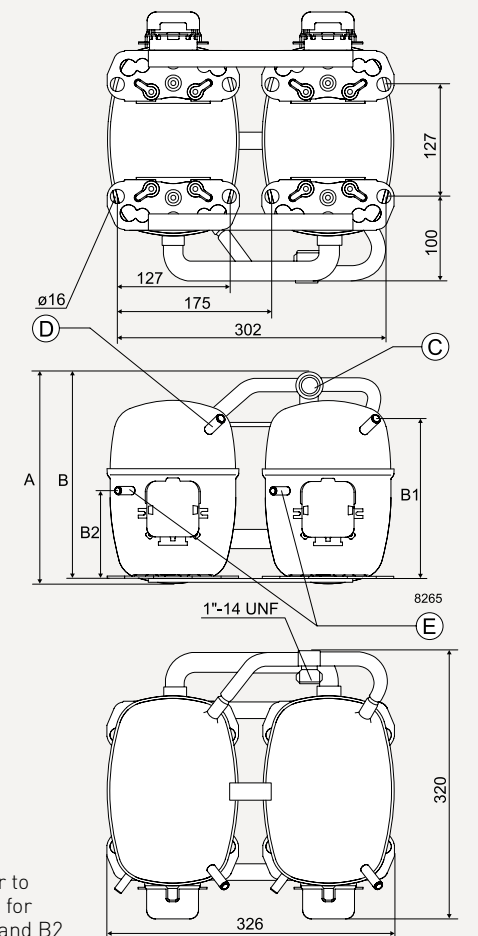


Note:
Please refer to
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heights B1 and B2

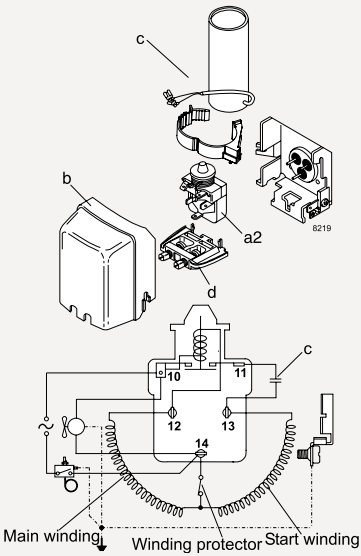
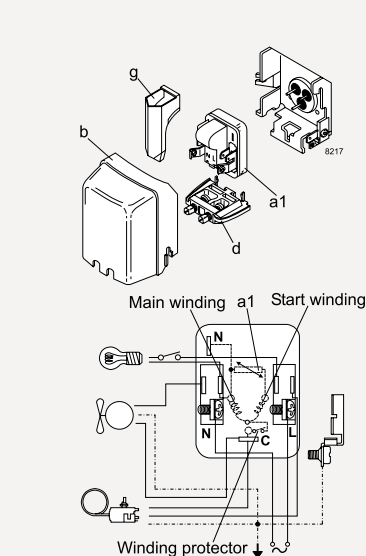
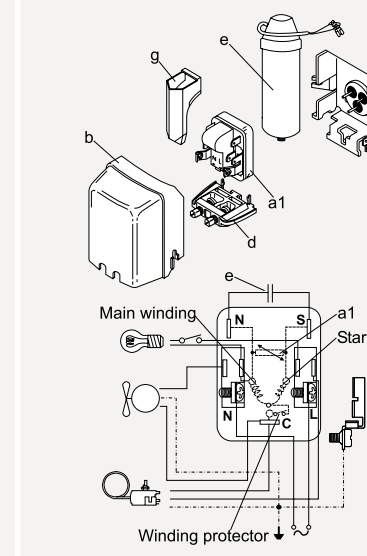
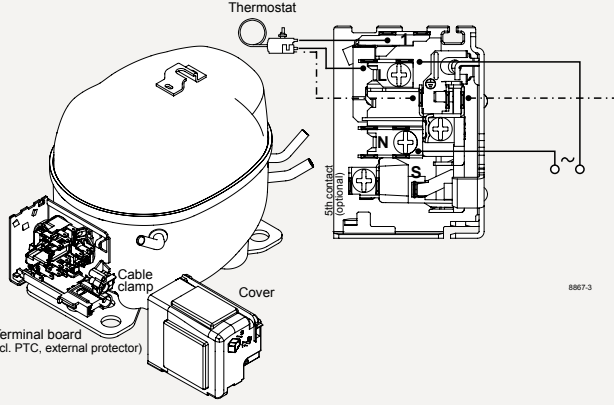
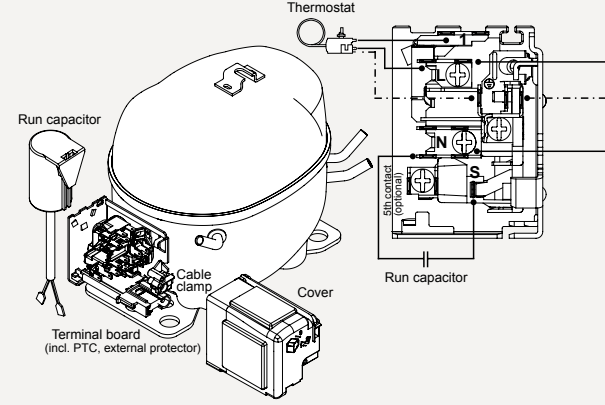
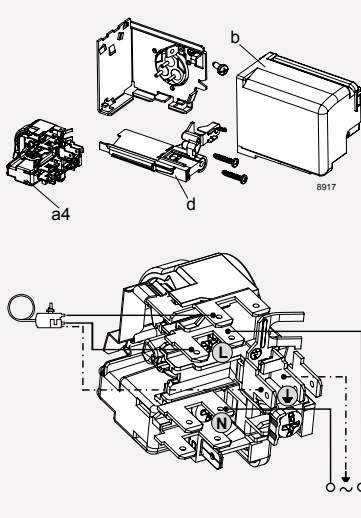
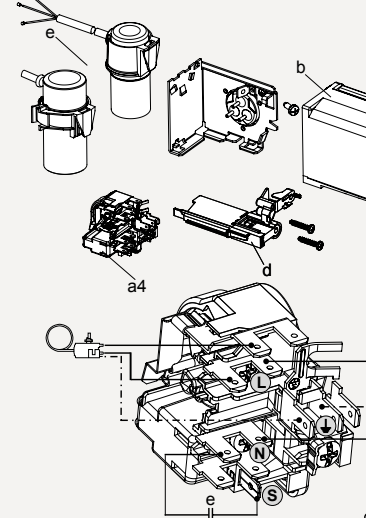
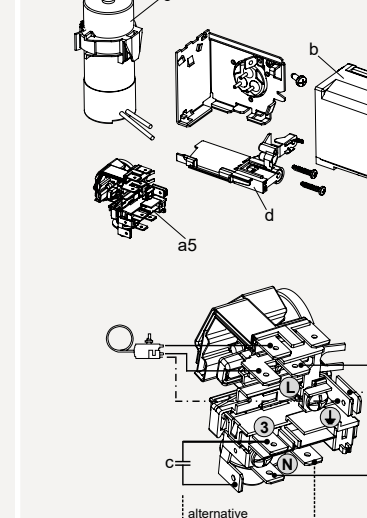
GS (GS34CLX has interchanged connectors)

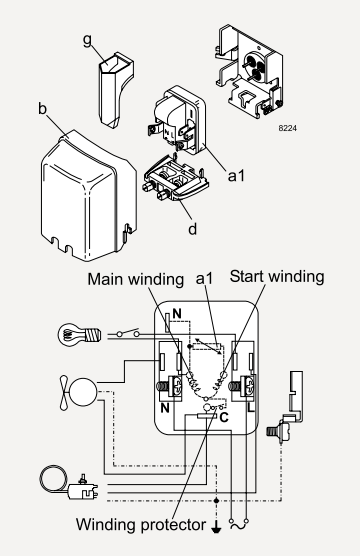
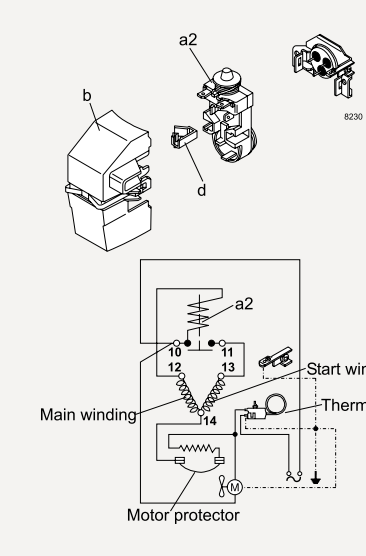
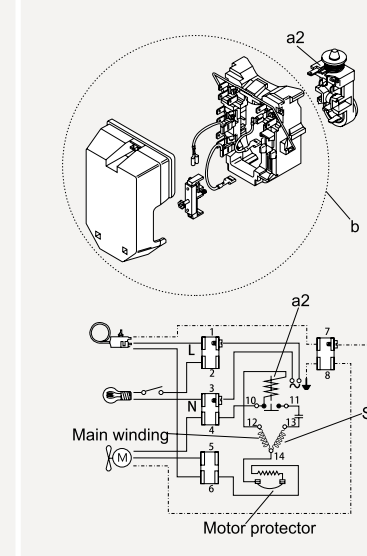
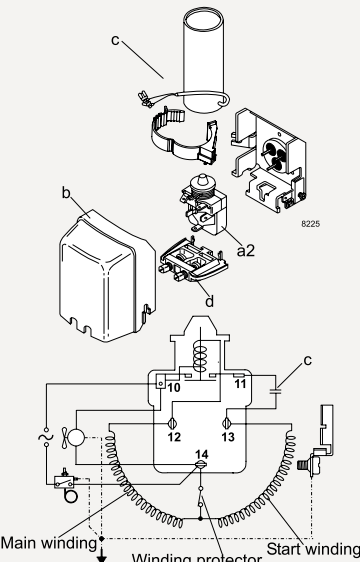
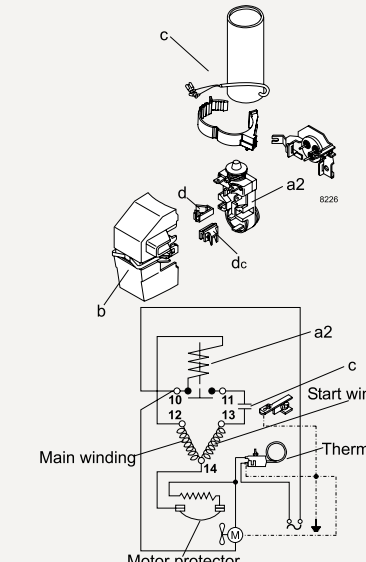
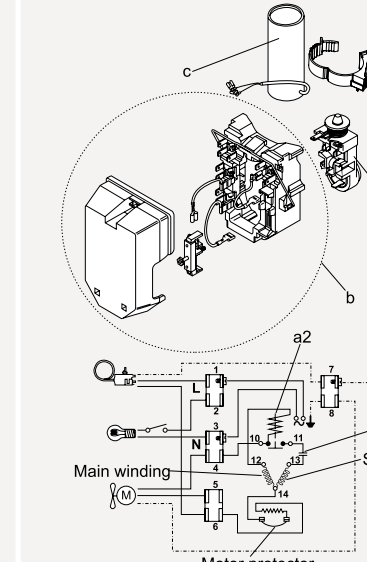
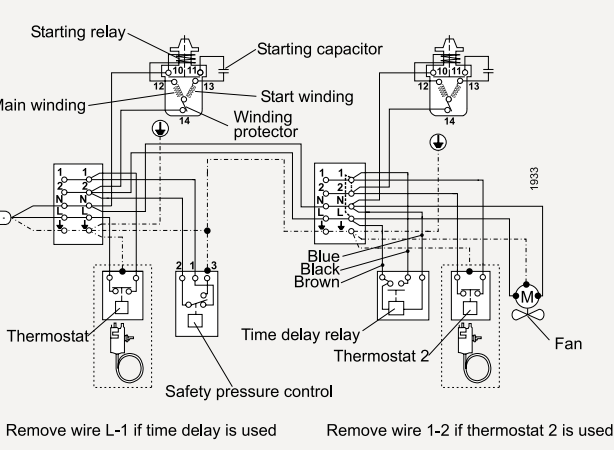
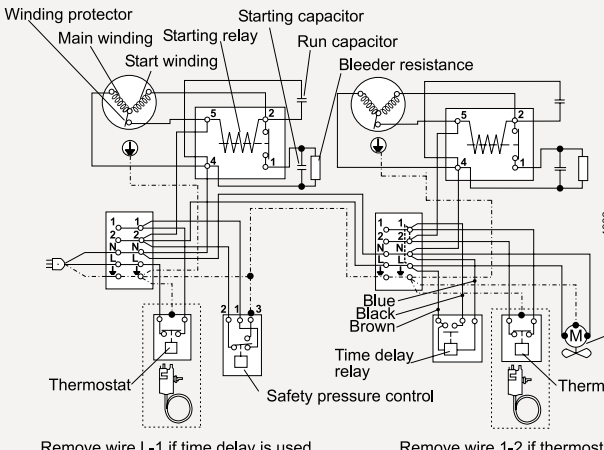


SC-Twin



Note:
Please refer to
data sheets for
heights B1 and B2

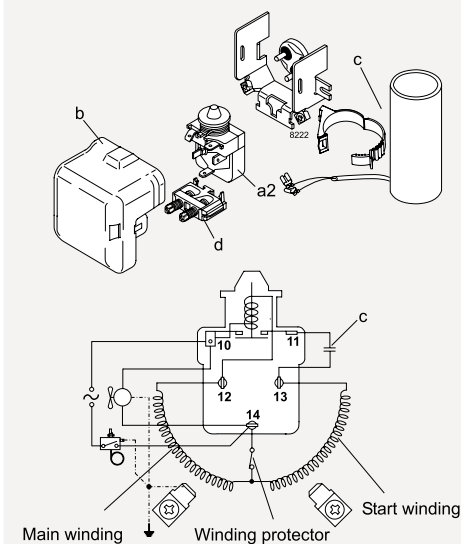
HST - CSIR NL/NLE 	LST - RSIR NL/NLE 	LST - RSCR NL/NLE 
LST - RSIR GTK - external protector 	LST - RSCR GTK - external protector 	
LST - RSIR KLF - external protector 	LST - RSCR KLF - external protector 	HST - CSIR KLE/KLF/FRK - external protector 

LST - RSIR PL 	NF - external protector 	NF - external protector 
HST - CSIR PL 	NF - external protector 	NF - external protector 
HST - CSIR SC Twin 	HST - CSCR SC Twin 	

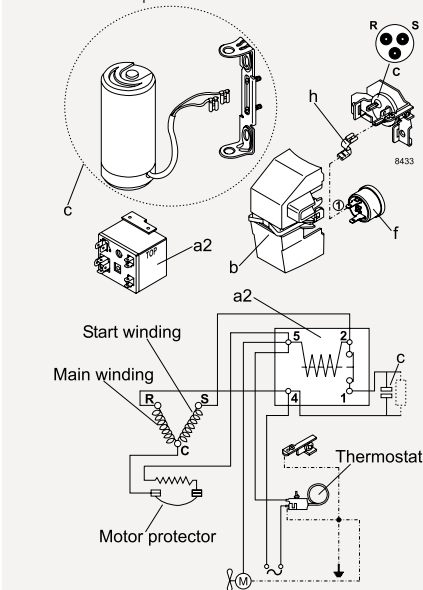
Electrical Equipment · Motor Systems for Secop Compressors

HST - CSIR

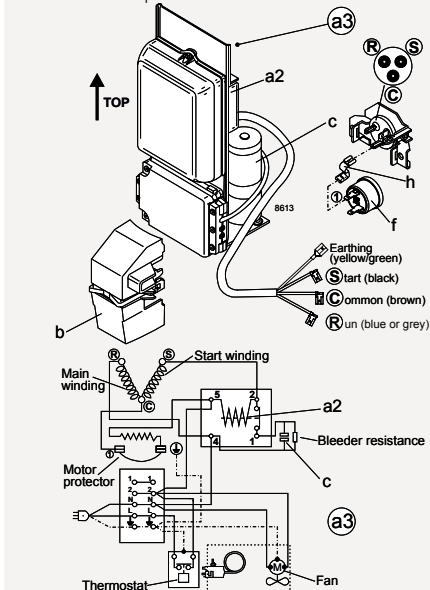
SC



SC - external protector

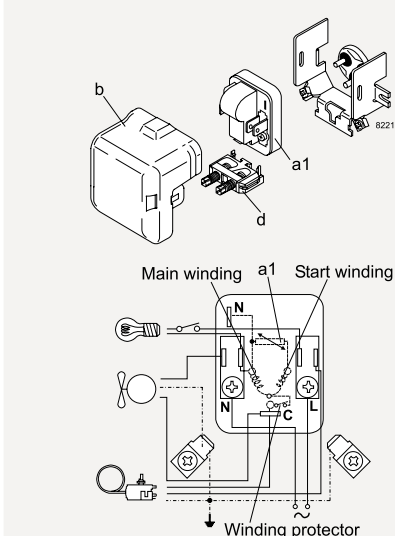


SC - external protector

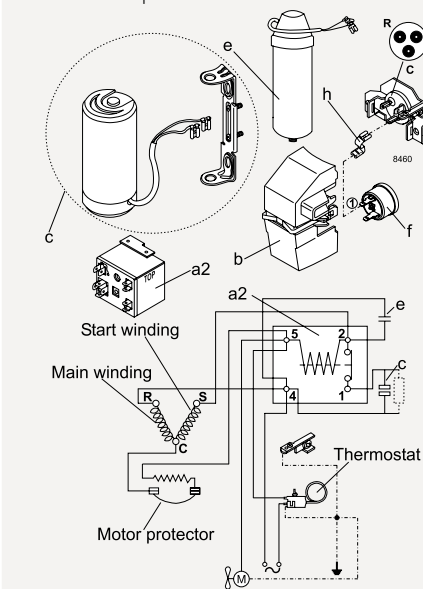


LST - RSIR

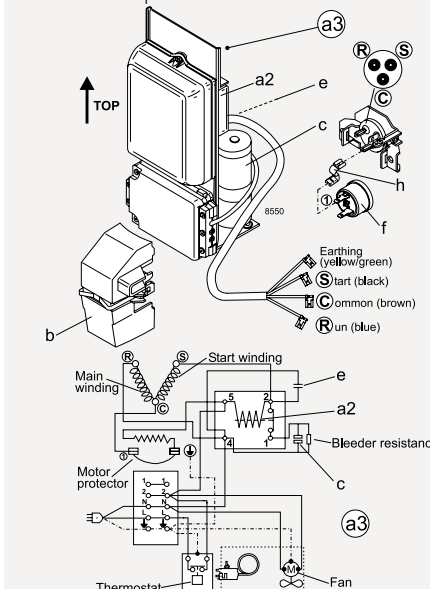
SC



SC - external protector

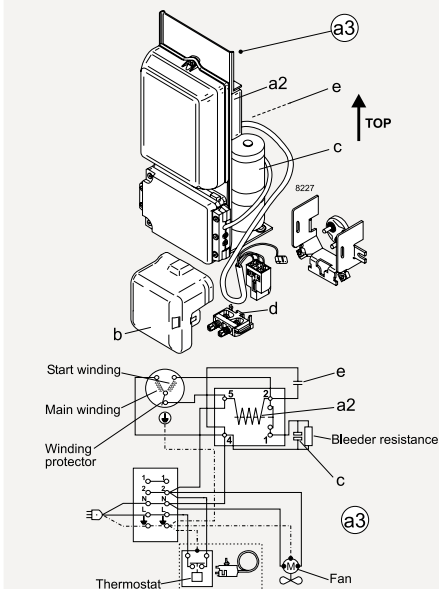


SC - external protector

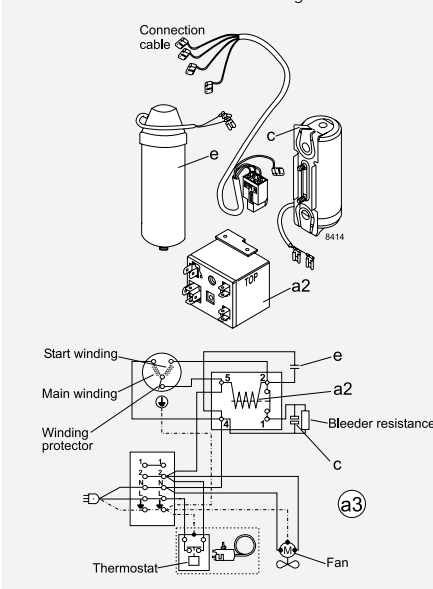


HST - CSCR

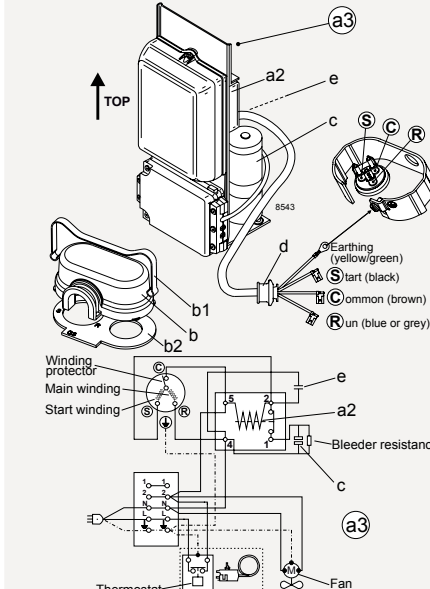
SC



SC (kit) - alternative to starting device



GS



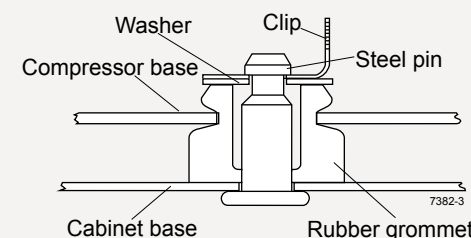
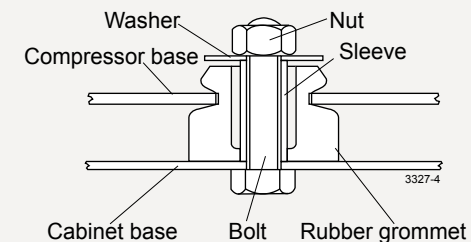
Mounting Accessories

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	P- / K- / KL- / FRK- / N- / S-Series	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	P- / K- / KL- / FRK- / N- / 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	P- / KL- / FRK- / N- / 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	P- / KL- / FRK- / N- / S-Series	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	P- / KL- / FRK- / N- / S-Series	V

Parts list (4 pcs. per compressor needed)

I	Sleeve Ø 8 mm x 6.4 mm x 0.8 mm	112-2052
	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
	Washer Ø 20 mm x Ø 8.8 mm x 1.2 mm	107B9155
	Bolt M8 x 40 mm	107B9153
	Nut M8	107B9154
	Rubber grommet 19 mm	107B9151
III	Sleeve Ø 8.3 mm x 6.7 mm x 0.8 mm	112-2088
	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
	Rubber grommet 16 mm	118-3661
IV	Sleeve Ø 9.5 mm x 7.9 mm x 0.8 mm	112-2085
	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
	Rubber grommet 19 mm	118-3666
V	Steel pin	118-3586
	Washer Ø 21 x Ø 8.1 mm x 0.9 mm	118-3588
	Clip	118-3585
	Rubber grommet 16 mm	118-3661

Symbol drawings



Further information

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
CSCR: Capacitor Start Capacitor Run

Compressor cooling

S = Static cooling normally sufficient
O = Oil cooling
F1 = Fan cooling 1.5 m/s
(compressor compartment temp.
equal to ambient temperature)
F2 = Fan cooling 3.0 m/s necessary

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.

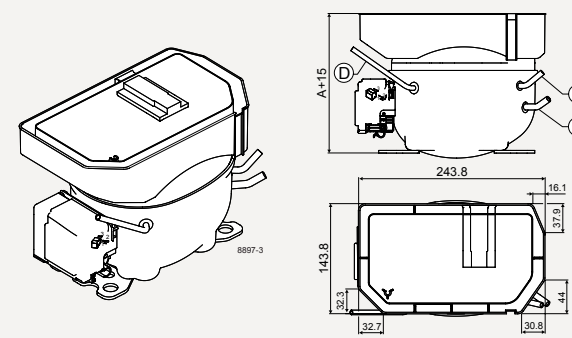
HST: High Starting Torque
HST consisting of relay and starting capacitor
is used for expansion valve control or for
capillary tube control without pressure
equalizing.

- **ePTC:** Electronically controlled PTC
- Compressor restart possible after a few seconds
- Operational wattage loss reduced by 2 watt
- PTC protection screen not needed (surface temp. < 82 °C)

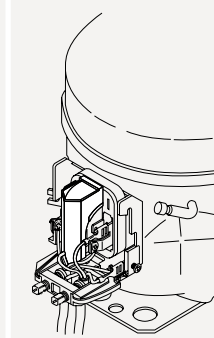
Legend

- a1:** PTC or ePTC starting device
- a2:** Starting relay
- a3:** Starting device
- a4:** Terminal board incl. PTC and protector
- a5:** Terminal board incl. relay
- b:** Cover
- b1:** Clamp (part of compressor)
- b2:** Gasket (part of compressor)
- c:** Starting capacitor
- d:** Cord relief
- e:** Run capacitor
- f:** Protector
- g:** Protection screen for PTC
- h:** Holder

K-Series (GTK) · evaporation tray



PTC protection screen



Note (GTK, KLE and FRK compressors excluded):
To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.

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Secop GmbH · Lise-Meitner-Str. 29 · 24941 Flensburg, Germany · Tel: +49 461 4941 0 · www.secop.com

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