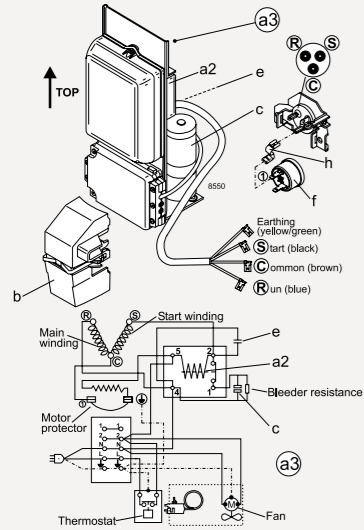
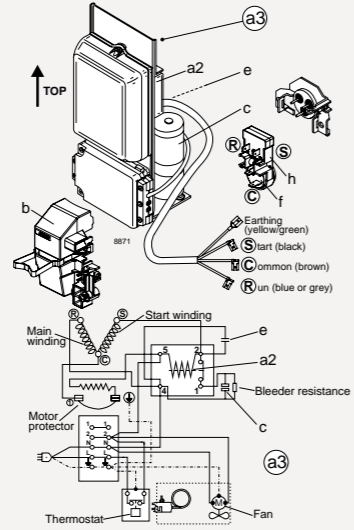


HST - CSCR

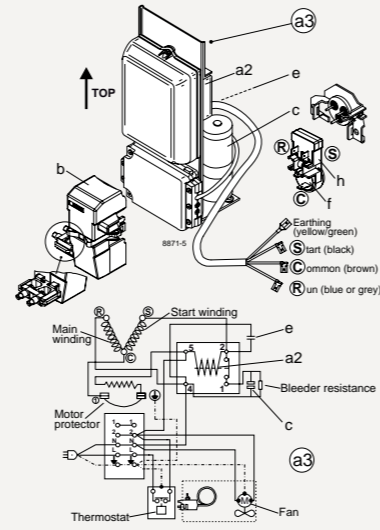
SCE - external protector



SCE - external protector

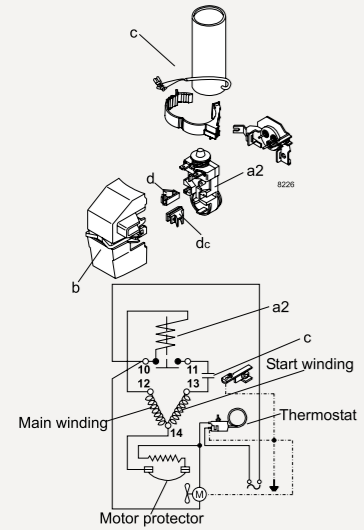


SCE - external protector

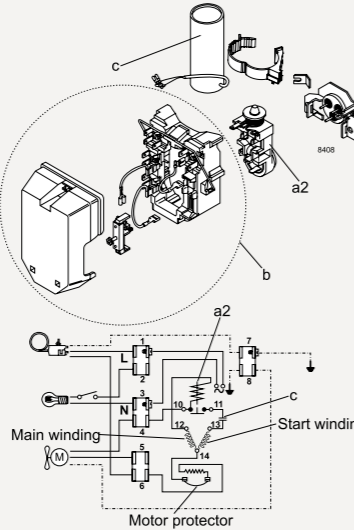


HST - CSIR

TFS - NF - external protector



TF - NF - external protector



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

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

- RSIR:** Resistant Start Induction Run
- RSCR:** Resistant Start Capacitor Run
- CSIR:** Capacitor Start Induction Run
- CSCR:** Capacitor Start Capacitor Run

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.

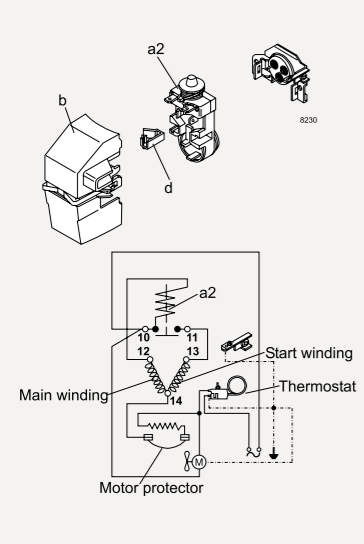
- ePTC:** Electronically controlled PTC
- Compressor restart possible after a few seconds
- Operational wattage loss reduced by 2 watt
- PTC protection screen not needed (surface temp. < 82 °C)

Compressor cooling

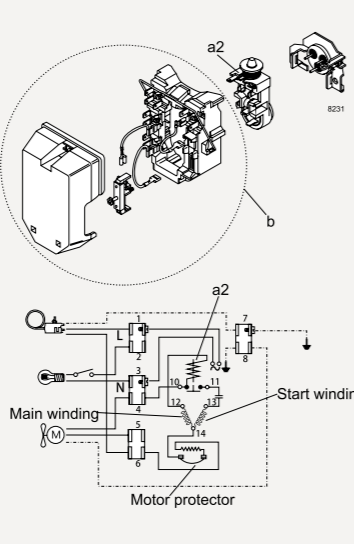
- S = Static cooling normally sufficient
- O = Oil cooling
- F1 = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)
- F2 = Fan cooling 3.0 m/s necessary

LST - RSIR

TF/TFS - NF - external protector



TF - NF - external protector



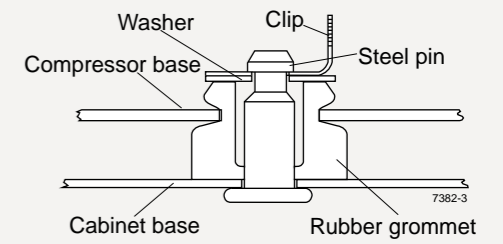
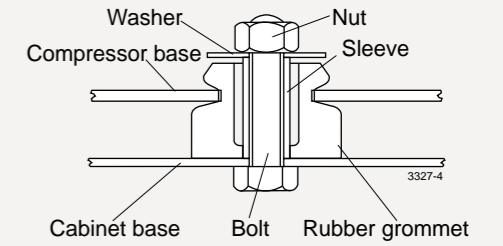
Mounting Accessories

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

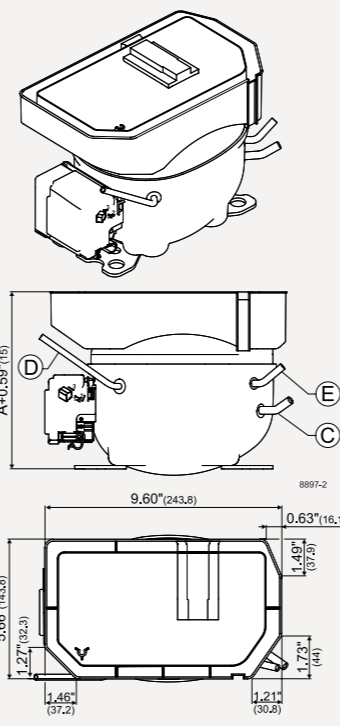
Parts list (4 pcs. per compressor needed)

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
II	Rubber grommet 16 mm	118-3661
	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
III	Nut M8	107B9154
	Rubber grommet 19 mm	107B9151
	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
IV	Bolt 1/4 x 1 inch, 20 UNC	119-3002
	Nut 1/4 inch, 20 UNC	119-3031
	Rubber grommet 16 mm	118-3661
	Sleeve Ø 9.5 mm x 7.9 mm x 0.8 mm	112-2085
V	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

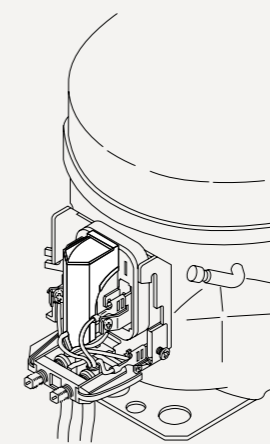
Symbol drawings



K-Series - evaporation tray



PTC protection screen



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

Flammable refrigerants R600a and R290



R600a (isobutane) and R290 (propane) are hydrocarbons. Hydrocarbon refrigerants are flammable and are only allowed for use in appliances that meet the requirements set out in the latest revision of EN/IEC 60335-2-34.

Do not use the refrigerants R600a or R290 near an open fire. The refrigeration systems must be opened with a tube cutter.

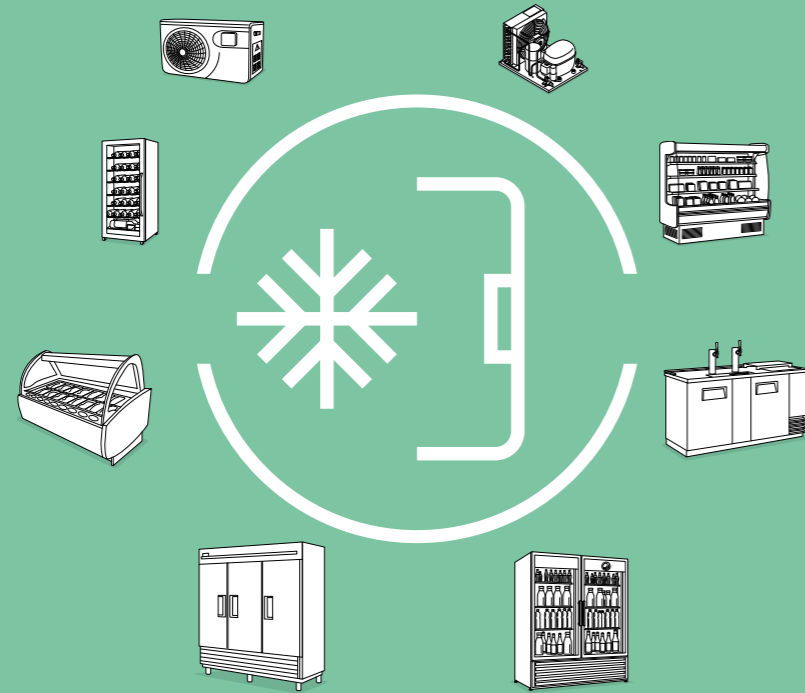
To properly perform maintenance and repair work on R600a or R290 systems, service staff must be properly trained in handling flammable refrigerants.

This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair work.

Secop compressors that use flammable refrigerants R600a and R290 are equipped with a yellow warning label as shown.

STATIONARY COOLING

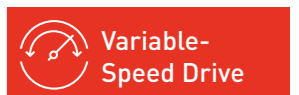
Refrigeration compressors and solutions for food retail, food service, medical, commercial freezers or coolers, beverage dispensers, special commercial equipment, and selected residential applications



Series	Displacement (cm³)	Cooling Capacity			Refrigerants
		LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
NLV	7.96 - 14.65	265 - 1250	490 - 2200		R290
SLV/SLVE	15.28 - 17.7	403 - 1190	1200 - 2149		R290

Series	Displacement (cm³)	Cooling Capacity			Refrigerants
		LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
P	1.41 - 2.50	25 - 59	66 - 126	130 - 192	R600a R134a
T	2.6 - 10.13	45 - 272	11 - 392	218 - 488	R600a R290 R134a R404A R513A R452A
K	5.6 - 12.5	92 - 260			R600a R134a
KL	4.0 - 8.6	101 - 398	183 - 717	400 - 1080	R290 a R134a R513 A
N	6.13 - 14.65	127 - 909	320 - 1557	1400 - 1424	R600a R290 R134a R404A R513A R452A
F	4.0 - 8.6	59 - 152	241 - 594	433 - 1040	R134a R404A R513A
S	10.29 - 25.0	167 - 1173	493 - 2073	923 - 2266	R290 R134a R404A R407C R513A R452A
G	21.2 - 33.8	1207 - 1912	1448 - 3363	2613	R134a R404A R513A

Secop stationary cooling compressors are available for all worldwide AC mains supply standards.



SECOP GROUP: AROUND THE WORLD

SECOP

12

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China, U.S.A., and
Turkey

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R&D engineers
and technicians

440

patents globally

50+

countries with
customer support



Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration manufacturers and are the first choice when it comes to leading hermetic compressors and electronic controls for refrigeration solutions for light commercial and DC-powered applications.

Secop was formerly known as Danfoss Compressors and is one of the founding fathers of modern compressor technology with years of experience that goes back to the beginning of the 1950s.

- Flensburg:** Sales and R&D
- Zlaté Moravce:** R&D, Logistics, and Manufacturing
- Turin:** Sales
- Tianjin:** Sales, R&D, Logistics, and Manufacturing
- Gleisdorf:** R&D
- Atlanta:** Sales and Logistics



**Stationary
Cooling**



**Mobile
Cooling**



**Medical
Cooling**



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

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Produced by Secop | December 2024

DES.K490.D2.02