

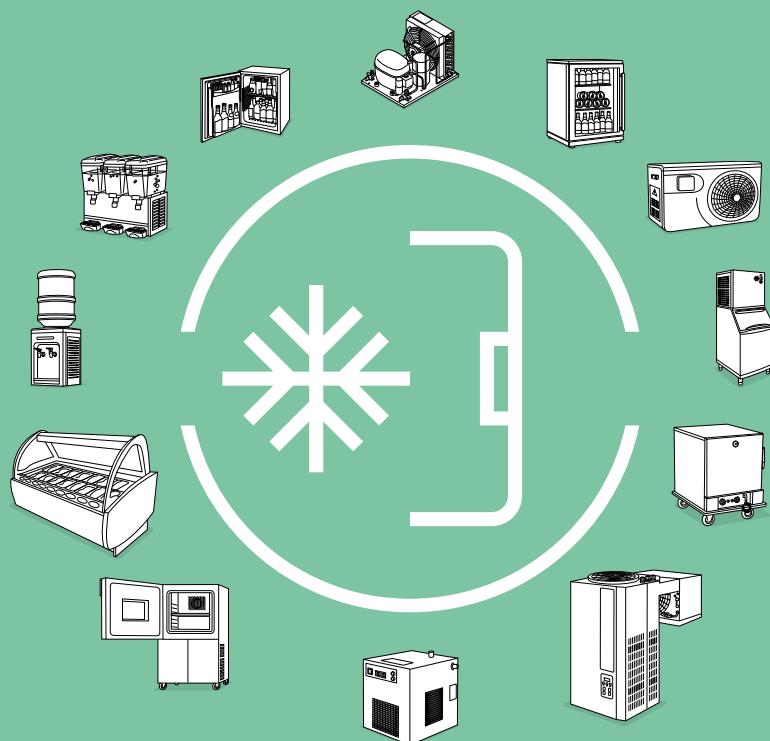
Secop is the first choice for partners looking for leading-edge refrigeration solutions and a premium customer experience.

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

**SECOP**

R134a · R513A | R404A · R452A



208-230V · 60Hz

220-240V · 50/60Hz

220-240V · 50 Hz | 200-240 V · 50 Hz



Energy  
Optimized



Wide Application  
Range



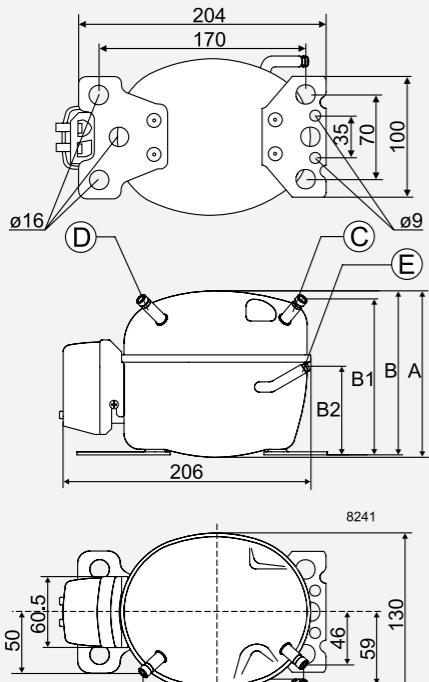






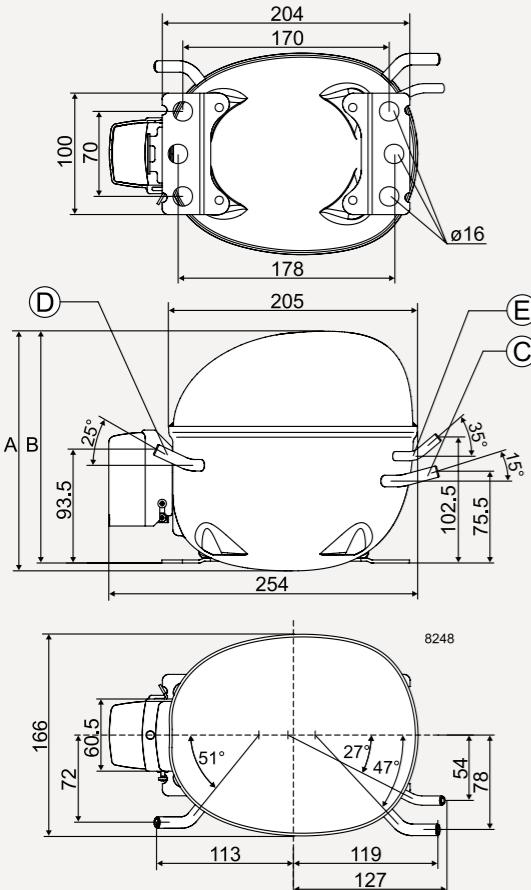


PL



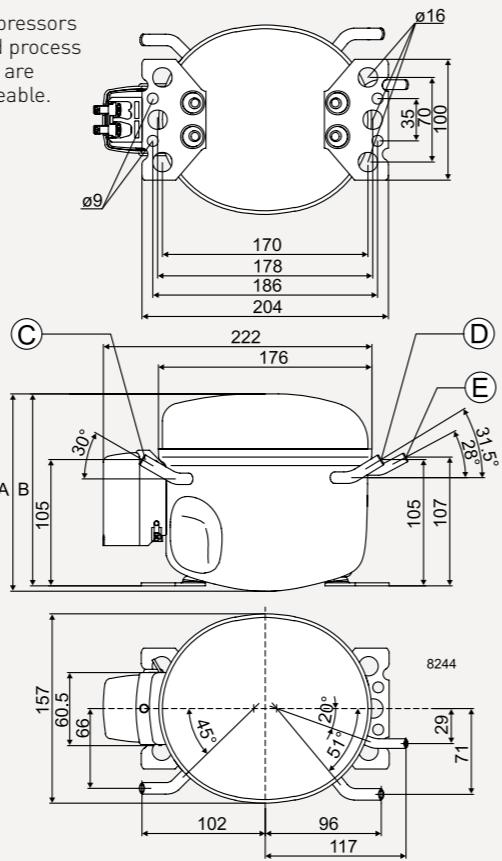
**Note:**  
Please refer to  
data sheets for  
heights B1 and B2

NL/NLE (NF similar)

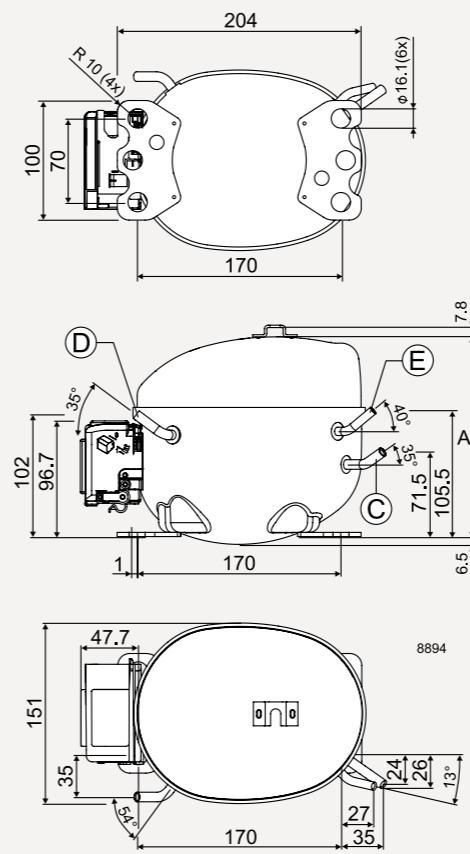


TL/TLS/TLES (TFS similar)

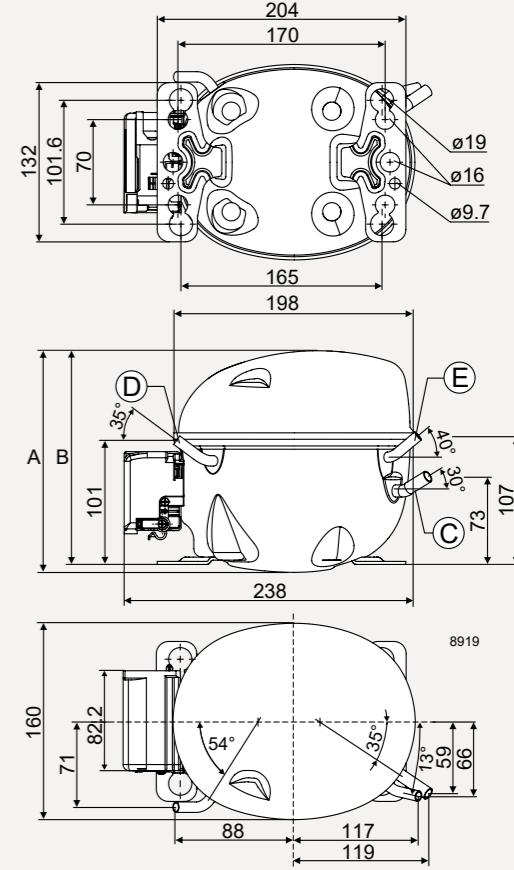
**Note:**  
On TL compressors  
suction and process  
connectors are  
interchangeable.



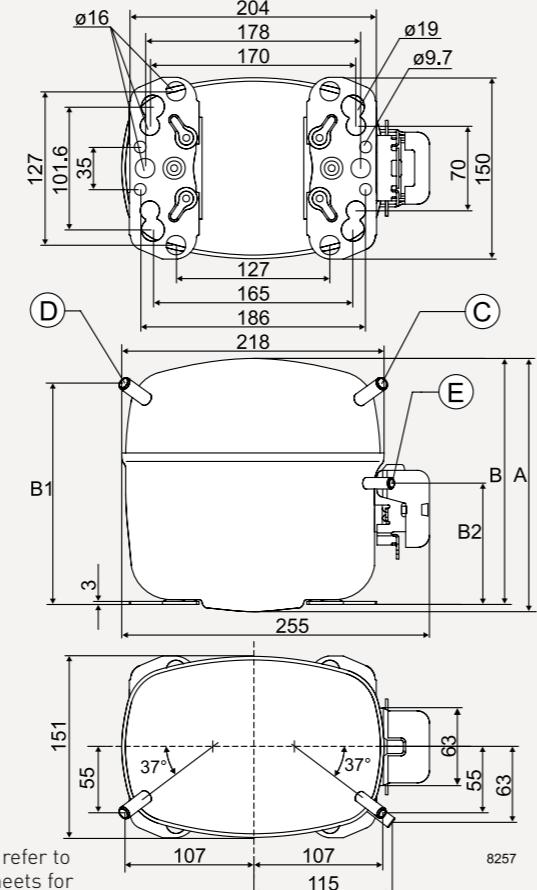
GTK (K-Series)



KLE/KLF (KL-Series)/FRK

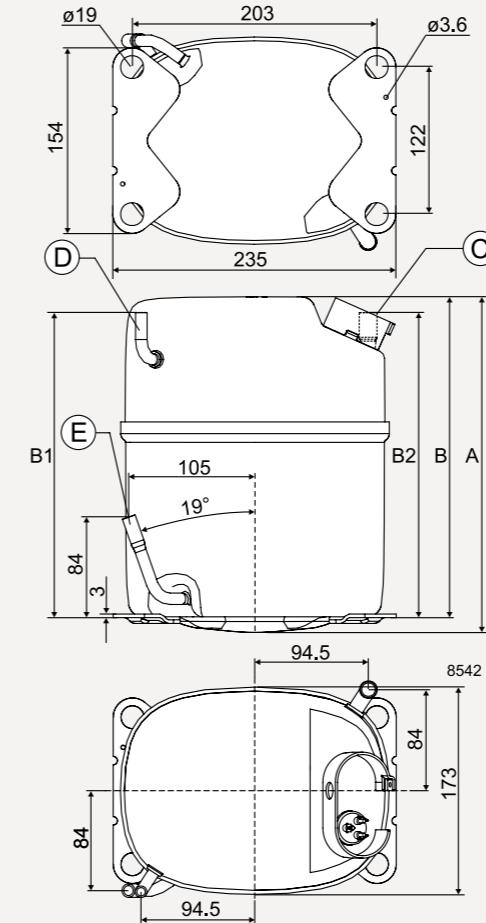


SC (SC-GHH w. additional oil cooler connector)

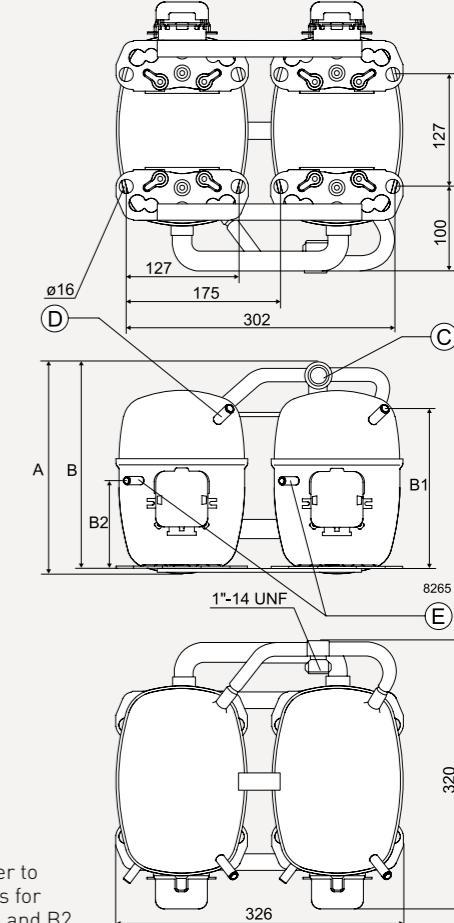


**Note:**  
Please refer to  
data sheets for  
heights B1 and B2

GS (GS34CLX has interchanged connectors)

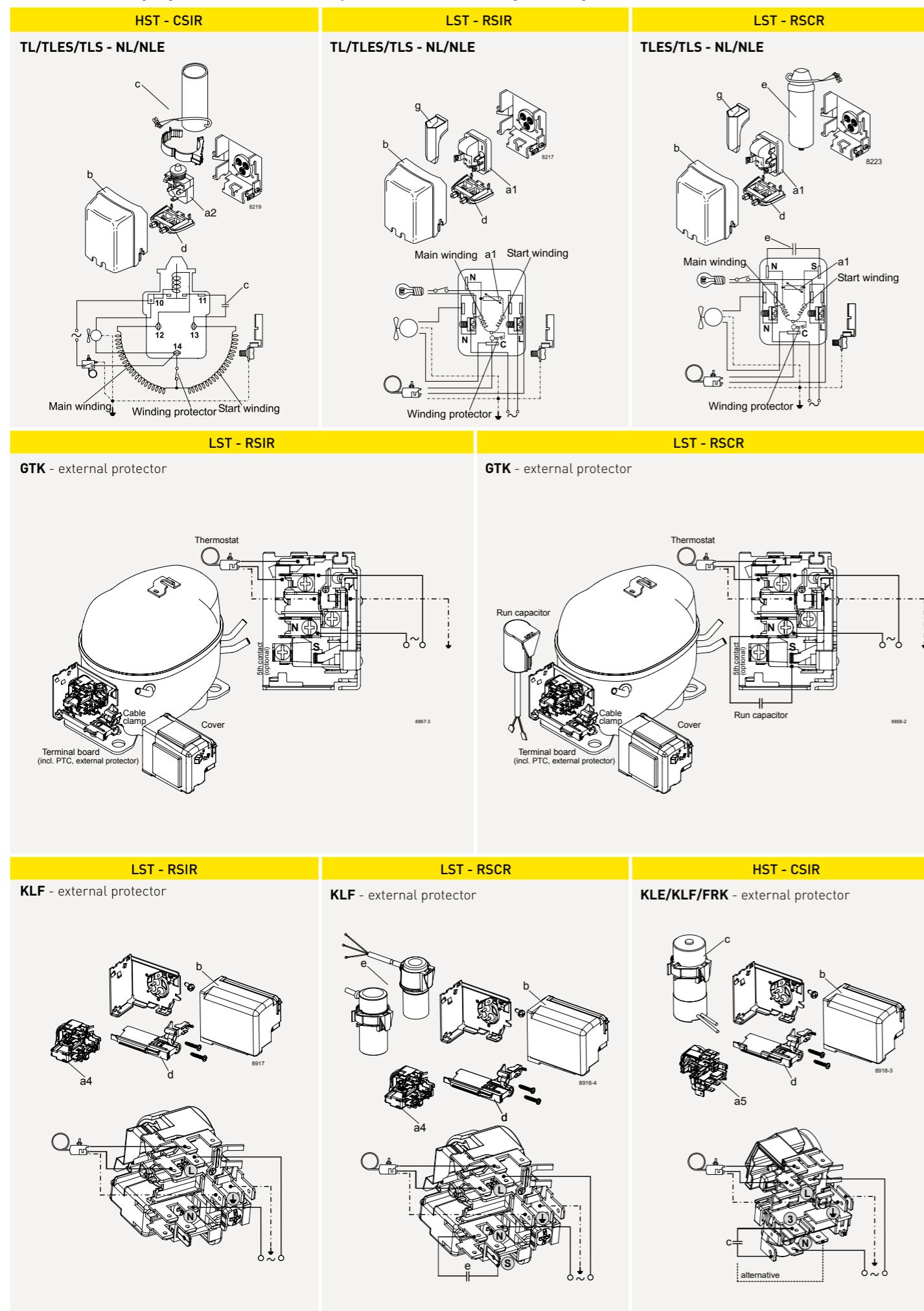


SC-Twin

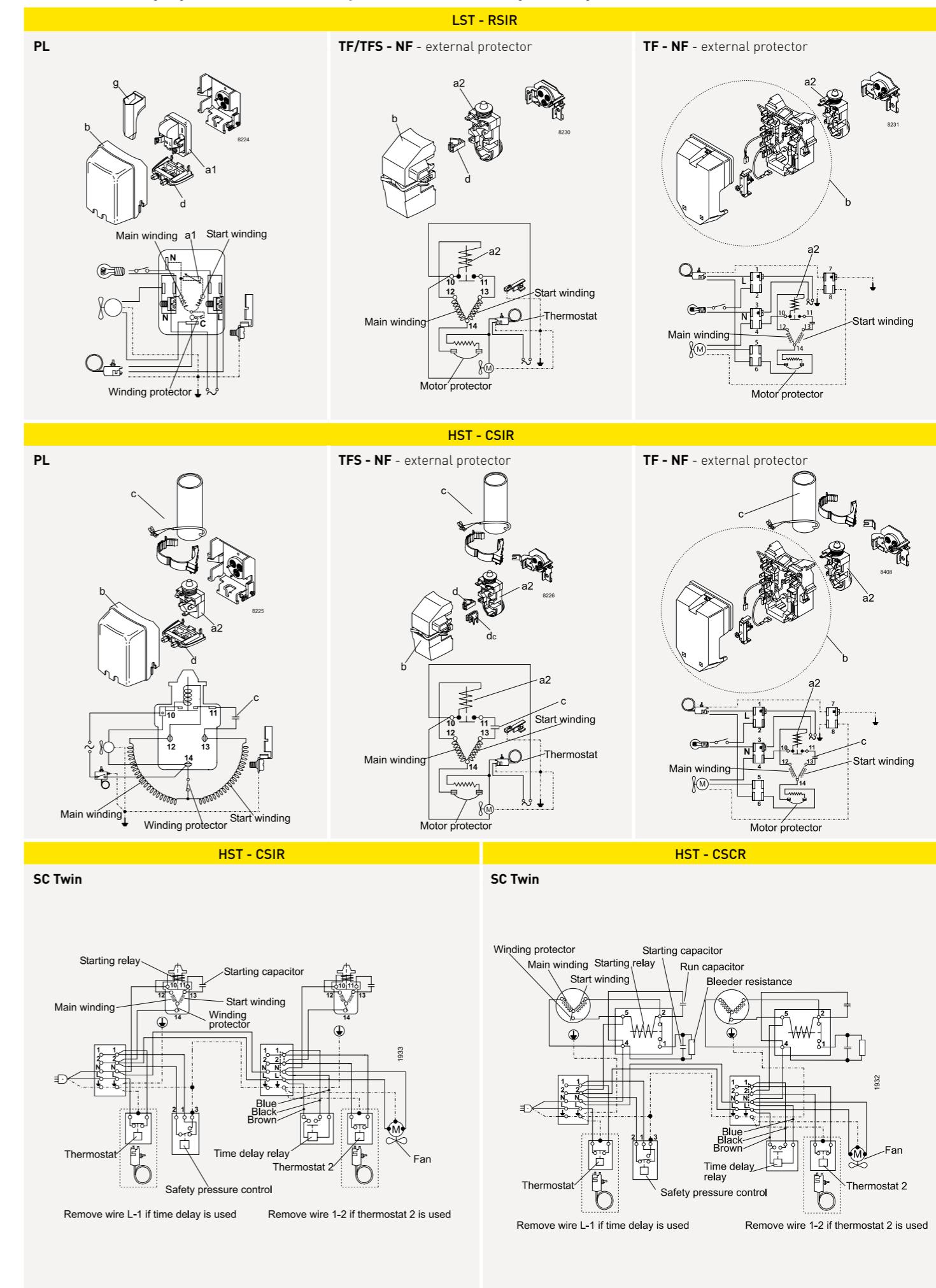


**Note:**  
Please refer to  
data sheets for  
heights B1 and B2

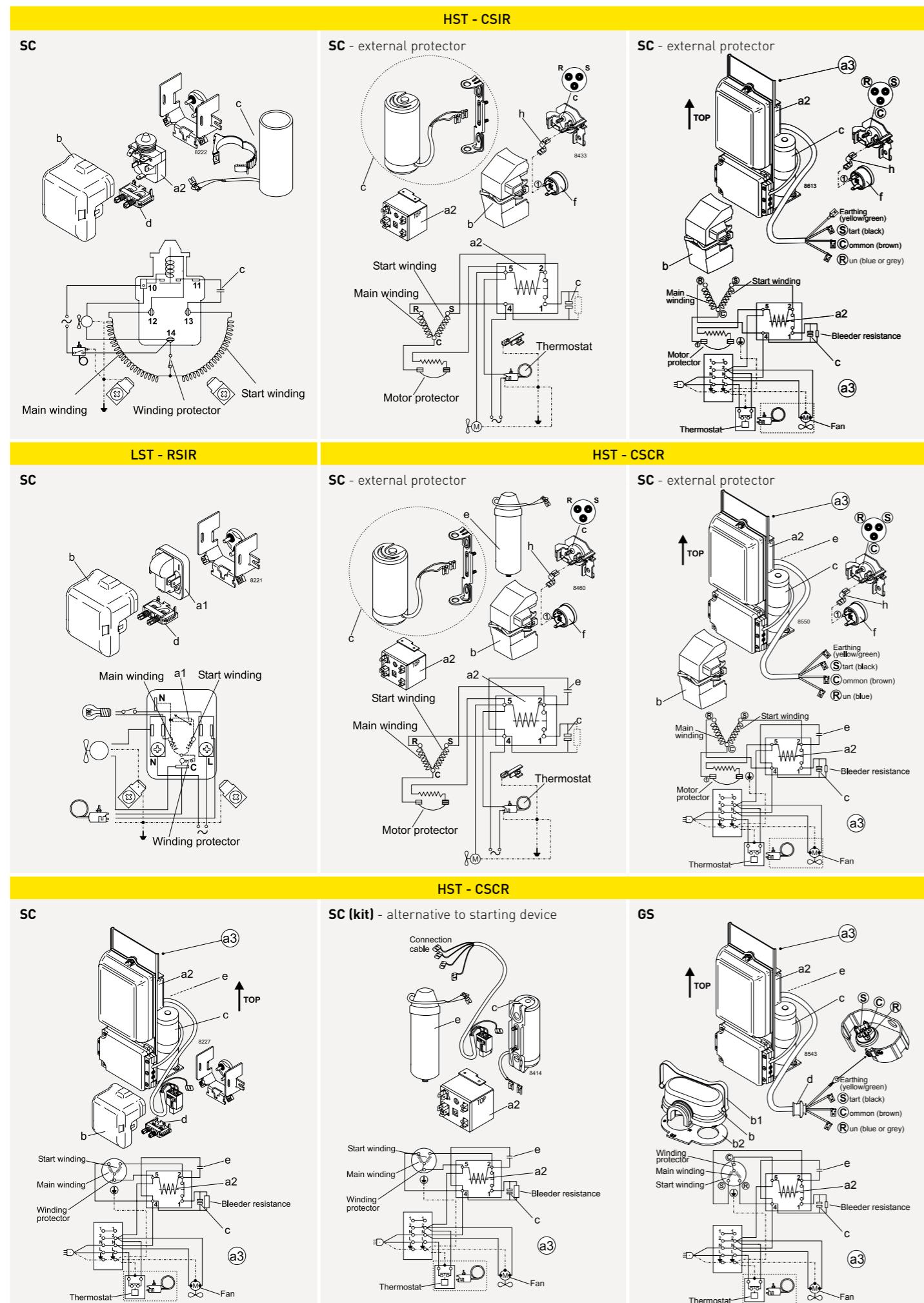
## Electrical Equipment · Motor Systems for Secop Compressors



## Electrical Equipment · Motor Systems for Secop Compressors



# Electrical Equipment - Motor Systems for Secop Compressors

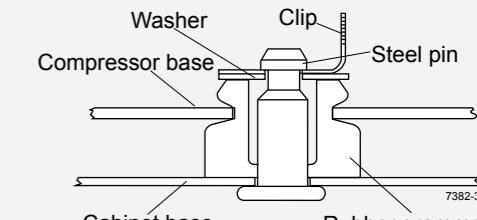
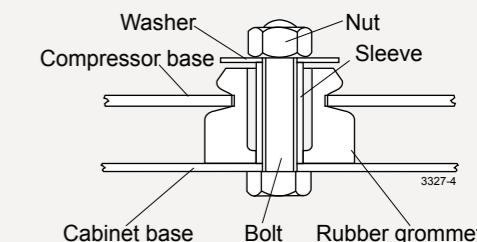


## Mounting Accessories

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 Washer Ø 20 mm x Ø 6.7 mm x 1 mm Bolt M6 x 25 mm Nut M6 Rubber grommet 16 mm Sleeve Ø 11 mm x 8.6 mm x 1.2 mm Washer Ø 20 mm x Ø 8.8 mm x 1.2 mm Bolt M8 x 40 mm Nut M8 Rubber grommet 19 mm Sleeve Ø 8.3 mm x 6.7 mm x 0.8 mm Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2052 112-2053 681X1130 118-3659 118-3661 107B9152 107B9155 107B9153 107B9154 107B9151 112-2088 112-2053 119-3002 119-3031 118-3661 112-2085 112-2053 119-3002 119-3031 118-3666 118-3586 118-3588 118-3585 118-3661
II		
III		
IV		
V		



### 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.

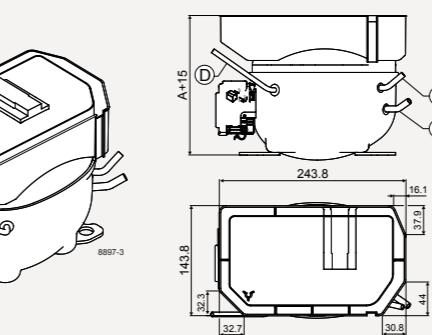
**ePTC:** Electronically controlled PTC  

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

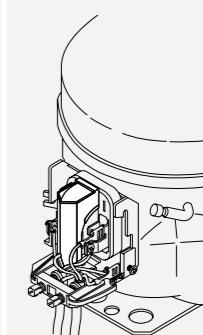
### Legend

- 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.

# SECOP GROUP: AROUND THE WORLD

**SECOP**

12

international partners for advanced developments

33

laboratories located in Austria, Germany, Slovakia, China, U.S.A., and Turkey

160

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



**Turin:** Sales



**Gleisdorf:** R&D



**Zlaté Moravce:** R&D, Logistics, and Manufacturing



**Tianjin:** Sales, R&D, Logistics, and Manufacturing



**Atlanta:** Sales and Logistics



**Stationary Cooling**



**Mobile Cooling**



**Medical Cooling**

