

Single Pack TLES4.8KK.3 220-240V 50Hz RSIR

Single pack code number: **195B4144**

Position	Title	Code	Amount
1	Compressor TLES4.8KK.3	102H4538	1
2	PTC starting device (220V, 250hm, 6.3mm)	103N0011	1
3	Protection screen for PTC	103N0476	1
4	Cord relief	103N1010	1
5	Cover	103N2010	1
6	Bolt joint for one compressor M6 ø16mm	118-1917	1

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

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved.

TLES4.8KK.3 Energy-optimized Compressor R600a 220-240V 50Hz

General

Code number	102H4538
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	125

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		S	–	–	–	–	–
43°C		S	–	–	–	–	–
Remarks on application:							

Motor

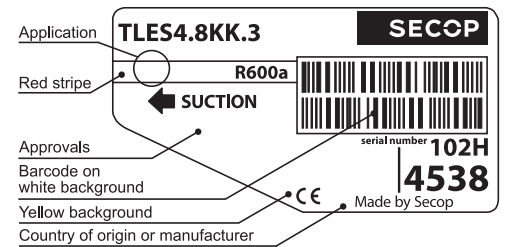
Motor type	RSIR/RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	–	1.9
Cut in Current, HST LST	A	–	6.6
Resistance, main start winding (25°C)	Ω	39.7	14.8

Design

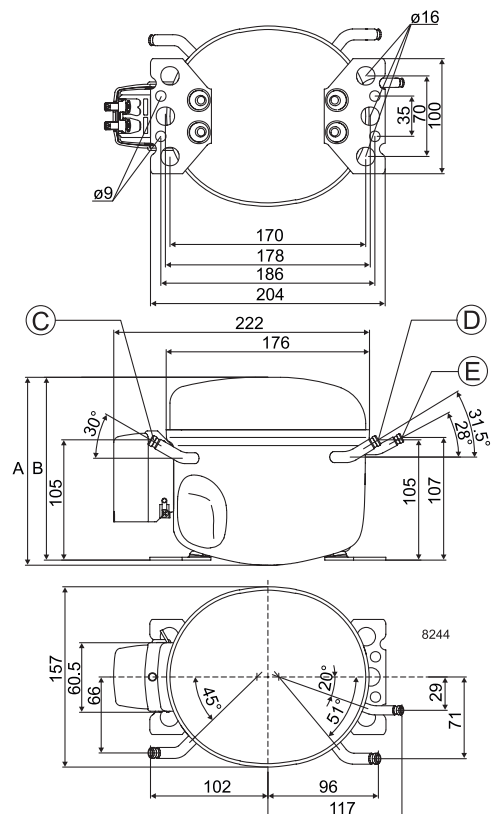
Displacement	cm ³	4.78
Oil quantity (type)	cm ³	180 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1690
Weight without electrical equipment	kg	6.4

Dimensions

Height	mm	A	163
		B	159
		B1	–
		B2	–
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment	Cu-plated steel Al cap	
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment	Cu-plated steel Al cap	
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment	Cu-plated steel Al cap	
Oil cooler connector	location/I.D. mm angle	F	–
	material comment	–	
Connector tolerance	I.D. mm	±0.09, on 5.0 +0.12/+0.20	
Remarks:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

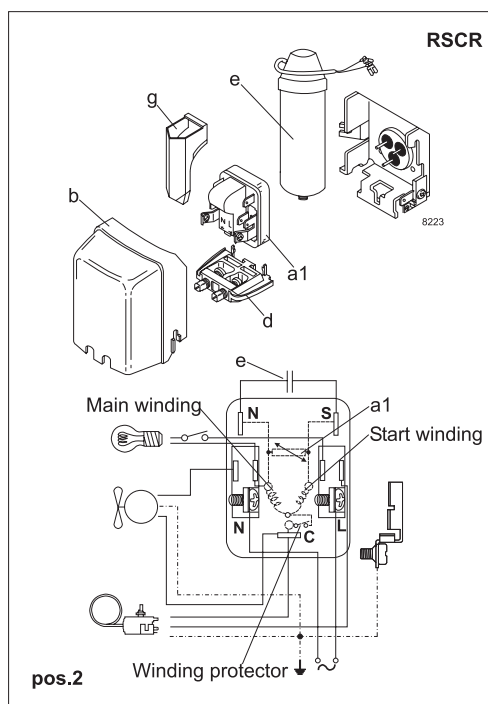
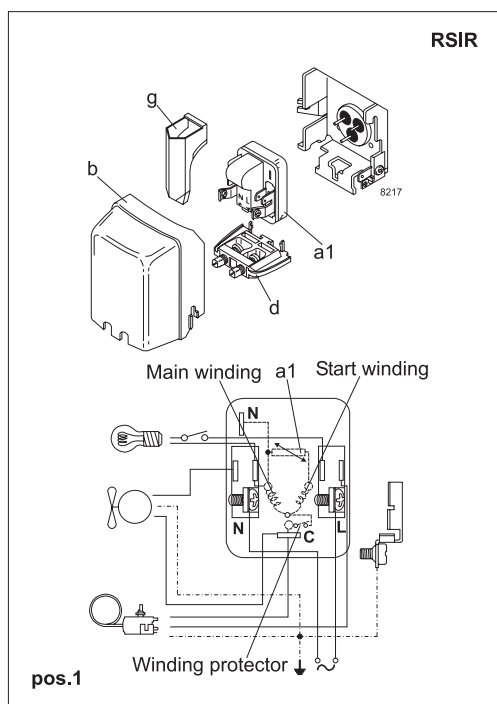


EN 12900 Household (CECOMAF) 220V, 50Hz, 2 W PTC consumption incl., static cooling

Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			27.5	40.0	55.0	60.7	72.9	94.2	119								
Power cons. in W			41.1	48.1	55.0	57.4	62.1	69.6	77.9								
Current cons. in A			0.35	0.38	0.40	0.41	0.42	0.45	0.48								
COP in W/W			0.67	0.83	1.00	1.06	1.17	1.35	1.53								

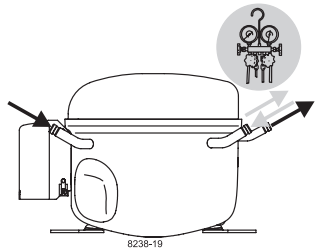
ASHRAE LBP 220V, 50Hz, 2 W PTC consumption incl., static cooling

Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			33.9	49.0	67.2	74.3	89.1	115	146								
Power cons. in W			41.2	48.1	54.9	57.3	61.9	69.3	77.5								
Current cons. in A			0.36	0.38	0.40	0.41	0.42	0.45	0.48								
COP in W/W			0.82	1.02	1.22	1.30	1.44	1.66	1.88								



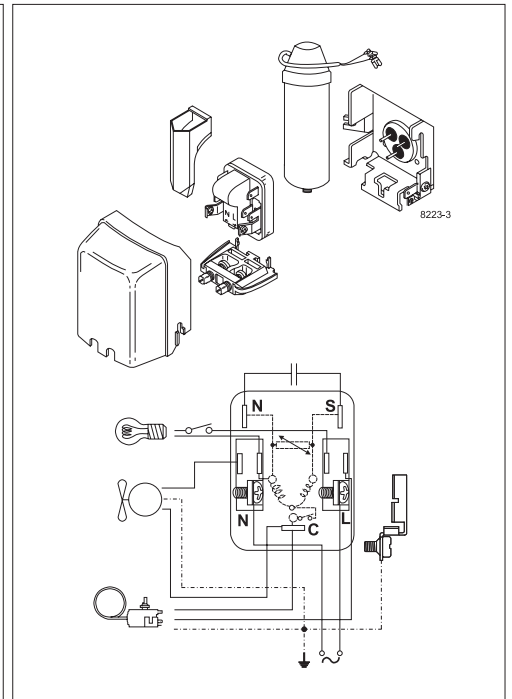
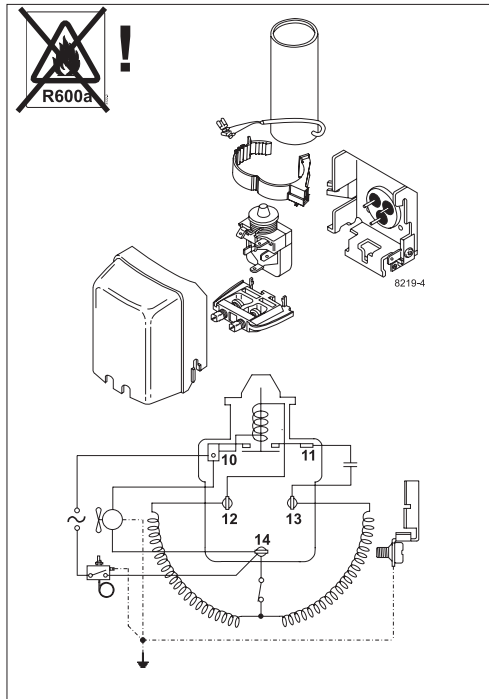
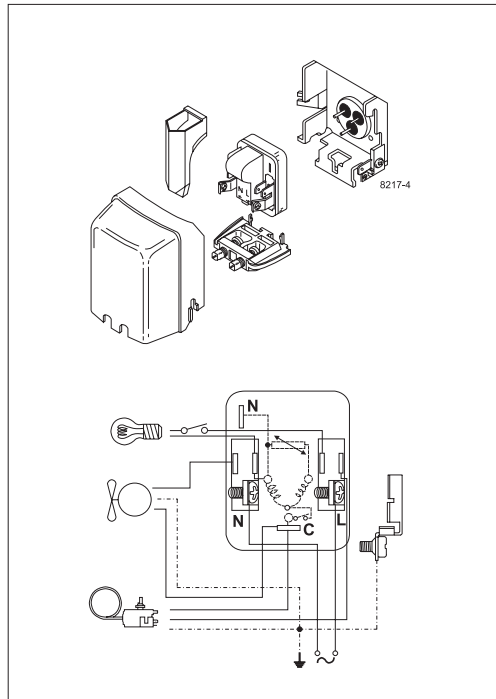
Accessories for TLES4.8KK.3		Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE
PTC starting device	6.3 mm spade connectors	a1	103N0011	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors	(pos.1)	103N0018	Ambient temperature	32°C	32°C
PTC starting device	6.3 mm spade connectors	a1	103N0016	Suction gas temperature	32°C	32°C
	4.8 mm spade connectors	(pos.2)	103N0021	Liquid temperature	no subcooling	32°C
Cover		b	103N2010	<div><div>Mounting accessories</div><div>Code number</div></div>		
Cord relief		d	103N1010			
Run capacitor 4 µF (optional)	6.3 mm spade connectors	e	117-7117			
	4.8 mm spade connectors		117-7119			
Protection screen for PTC		g	103N0476	Bolt joint for one comp.	Ø: 16 mm	118-1917
				Bolt joint in quantities	Ø: 16 mm	118-1918
				Snap-on in quantities	Ø: 16 mm	118-1919

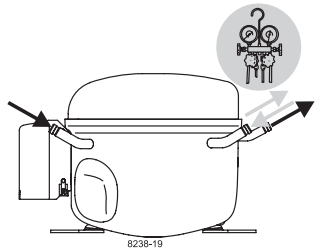
Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com



TL Compressors

SECOP

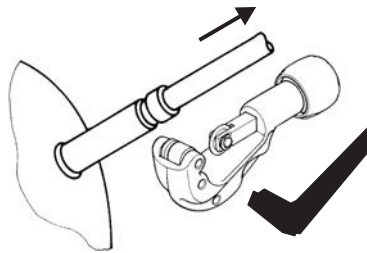
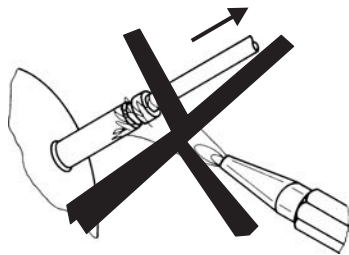




TL Compressors

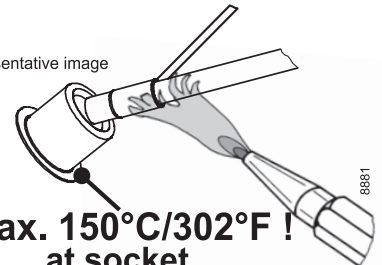
SECOP

Service/Repair – R600a, R290



Brazing on Suction Connectors (Direct Intake)

representative image



**! max. 150°C/302°F !
at socket**
brazing solder: phosphor (LP7) or silver

Refer to Product Bulletin:
**Brazing on Suction Connectors
(Compressors with Direct Suction Intake)**

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com