

## Single Pack TLES6.5KK.3 220-240V 50Hz RSIR

Single pack code number: **195B4474**

Position	Title	Code	Amount
1	Compressor TLES6.5KK.3	102H4738	1
2	PTC starting device (220V, 250hm, 4.8mm)	103N0021	1
3	Protection screen for PTC	103N0476	1
4	Cord relief	103N1010	1
5	Cover	103N2011	1
6	Bolt joint for one compressor   M6   ø16mm	118-1917	1

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## TLES6.5KK.3 Energy-optimized Compressor R600a 220-240V 50Hz

### General

Code number	102H4738
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

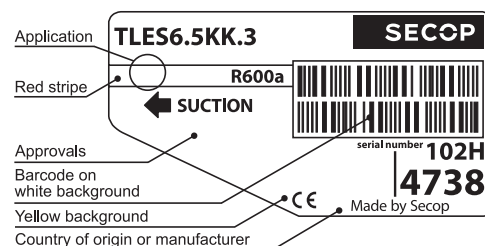
Motor type	RSIR/RSCR		
LRA (rated after 4 sec. UL984), HST   LST	A	–	2.8
Cut in Current, HST   LST	A	–	7.1
Resistance, main   start winding (25°C)	Ω	28.2	17.8

### Design

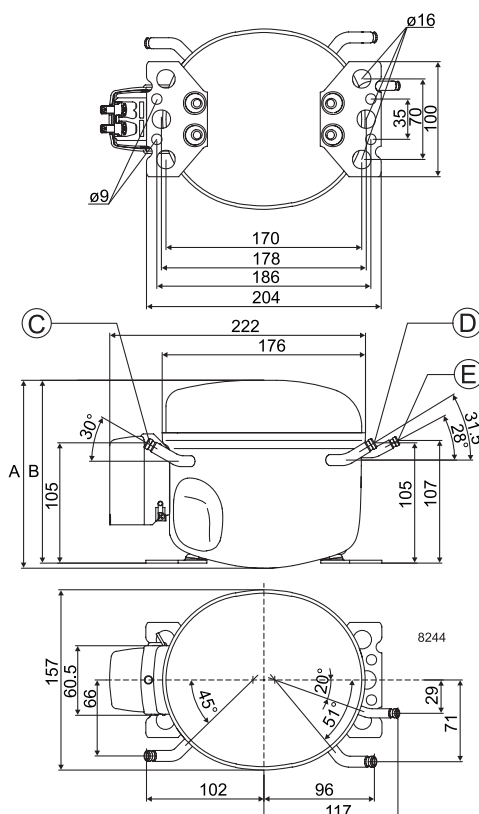
Displacement	cm <sup>3</sup>	6.49
Oil quantity (type)	cm <sup>3</sup>	180 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1690
Weight without electrical equipment	kg	6.4

### 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
- F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

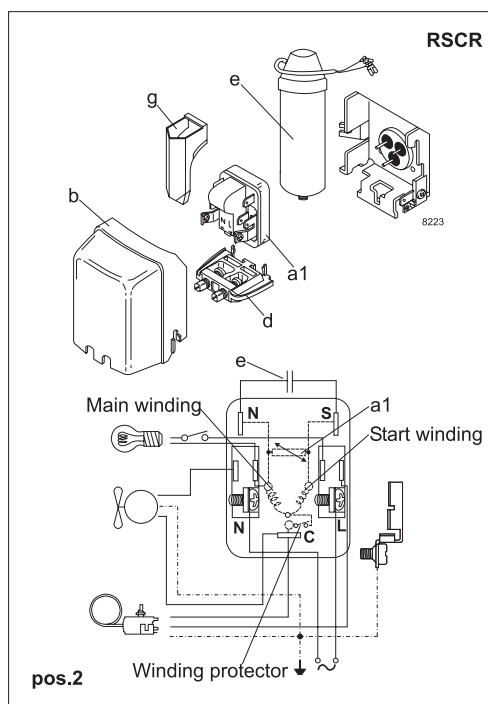
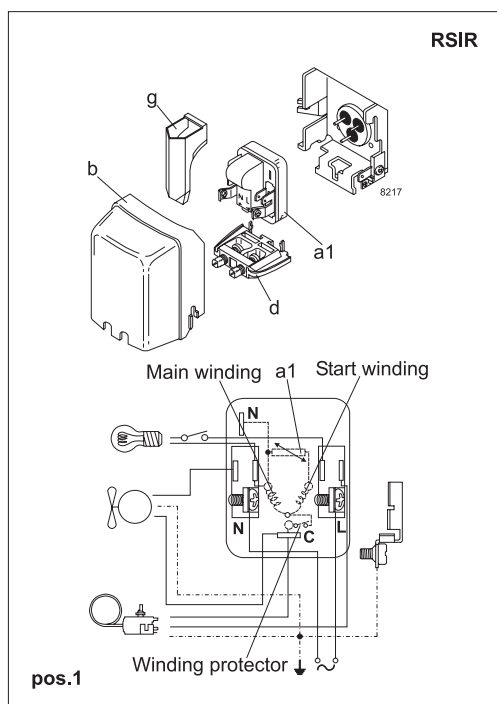


**EN 12900 Household (CECOMAF)** 220V, 50Hz, 2 W PTC consumption incl., static cooling

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			45.3	61.3	81.0	88.7	105	134	168								
Power cons. in W			60.4	70.0	79.5	82.8	89.2	99.6	111								
Current cons. in A			0.51	0.55	0.58	0.59	0.62	0.65	0.69								
COP in W/W			0.75	0.88	1.02	1.07	1.18	1.34	1.51								

**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			55.4	75.0	99.0	108	128	163	205								
Power cons. in W			60.5	70.0	79.4	82.6	88.9	99.1	110								
Current cons. in A			0.51	0.55	0.58	0.59	0.61	0.65	0.69								
COP in W/W			0.92	1.07	1.25	1.31	1.44	1.65	1.85								



Accessories for	TLES6.5KK.3	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE
PTC starting device	6.3 mm spade connectors	a1 (pos.1)	103N0011	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors		103N0018	Ambient temperature	32°C	32°C
PTC starting device	6.3 mm spade connectors	a1 (pos.2)	103N0016	Suction gas temperature	32°C	32°C
	4.8 mm spade connectors		103N0021	Liquid temperature	no subcooling	32°C
ePTC starting device	4.8 mm spade connectors		103N0050			
Cover		b	103N2010			
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			

Mounting accessories		Code number
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

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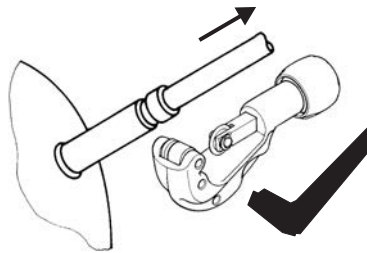
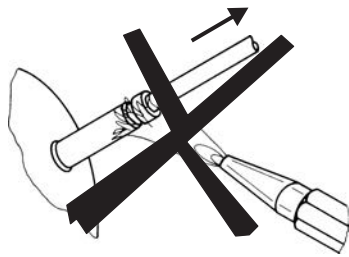
# TL Compressors

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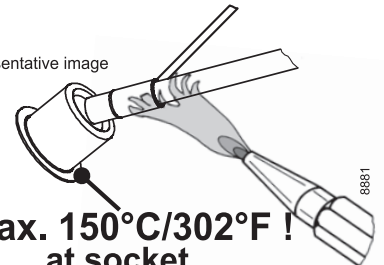


## Service/Repair – R600a, R290



## 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)**

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