

# TLS7F Standard Compressor R134a 220-240V 50Hz

Application TLS7F	SECOP
Blue stripe R134a	
Approvals	serial number 102G
Barcode on white background	4720 Made by Secop
Yellow background	wiade by Secop
Country of origin or manufacturer	

General									
Code number	102G4720								
Approvals	EN 60335-2-34 w. Annex AA								
Compressors on pallet	125								

## Application

Frequency

Application

32°C

38°C

43°C

**Cooling requirements** 

	LE	3P
Hz	50	60
°C	-35 to -10	-
V	198 - 254	_
°C	60 (70)	_
°C	125 (135)	_
	°C V °C	Hz 50   °C -35 to -10   V 198 - 254   °C 60 (70)

Hz

LBP MBP HBP LBP MBP HBP

S

S

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50

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- | - | - | -

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\_ | \_

#### = Static cooling normally sufficient

O = Oil cooling

S

60

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- $F_1 = Fan \text{ cooling } 1.5 \text{ m/s}$ 
  - (compressor compartment temperature equal to ambient temperature)
- $F_2$  = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
- = not applicable in this area

#### Motor

Motor type	RSIR/RSCR/CSIR				
LRA (rated after 4 sec. UL984), HST   LST	А	5.7	5.4		
Cut in Current, HST   LST	Α	5.7	9.7		
Resistance, main   start winding (25°C)	Ω	14.5	14.8		

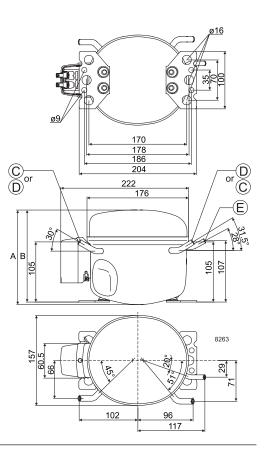
Remarks on application: run capacitor 4 µF compulsory in 38°C ambient temperature

### Design

Displacement	cm <sup>3</sup>	6.49
Oil quantity (type)	cm <sup>3</sup>	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm <sup>3</sup>	1790
Weight without electrical equipment	kg	7.5

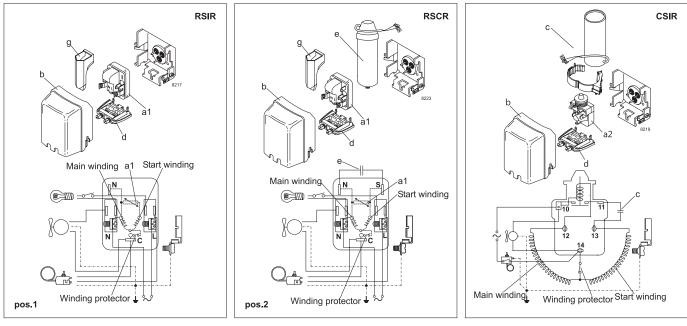
#### Dimensions

Height	mm	A 173
		B 169
		B1 –
		B2 –
Suction connector	location/I.D. mm   angle	C 6.2   30°
	material   comment	Copper   Rubber plug
Process connector	location/I.D. mm   angle	D 6.2   31.5°
	material   comment	Copper   Rubber plug
Discharge connector	location/I.D. mm   angle	E 5.0   28°
	material   comment	Copper   Rubber plug
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:		



EN 12900 Househo	)	220V, 5	i0Hz, st	atic coo	oling, P <sup>-</sup>	TC cons	sumptio	n incl.									
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			66	89	120	133	160	208	264								
Power cons. in W			97	116	136	143	158	182	207								
Current cons. in A			0.87	0.91	0.96	0.98	1.03	1.11	1.20								
COP in W/W			0.68	0.77	0.88	0.92	1.01	1.14	1.28								

ASHRAE LBP	220V, 50Hz, static cooling, PTC consumption incl.																
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			81	109	148	163	197	256	326								
Power cons. in W			97	116	136	143	158	182	207								
Current cons. in A			0.87	0.91	0.96	0.98	1.03	1.11	1.20								
COP in W/W			0.84	0.94	1.09	1.14	1.24	1.41	1.57								



Accessories for	TLS7F	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
Starting relay	6.3 mm spade connectors	a2	117U6000			
Start capacitor 60 µF	6.3 mm spade connectors	С	117U5014	Mounting accessories		Code number
Cover		b	103N2010	Bolt joint for one comp.	Ø: 16 mm	118-1917
Cord relief		d	103N1010	Bolt joint in quantities	Ø: 16 mm	118-1918
Run capacitor	6.3 mm spade connectors		117-7117	Snap-on in quantities	Ø: 16 mm	118-1919
4 μF (optional)	4.8 mm spade connectors	e	117-7119			
Protection screen for P	ГС	g	103N0476			

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