



TLS5F Standard Compressor R134a 220-240V 50Hz

General

Code number	102G4520
Approvals	EN 60335-2-34 w. 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

Application	LBP	MBP	HBP	IDD		1
				LDP	MBP	HBP
32°C	S	_	-	_	_	_
38°C	S	_	-	-	_	_
43°C	-	_	_	_	_	_

Remarks on application:

Application TLS5F Blue stripe R134a SUCTION Approvals Barcode on white background Yellow background Country of origin or manufacturer SECOP R134a Serial number 102G 4520 Made by Secop

S = Static cooling normally sufficient

= 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 sufficent

= not applicable in this area

Motor

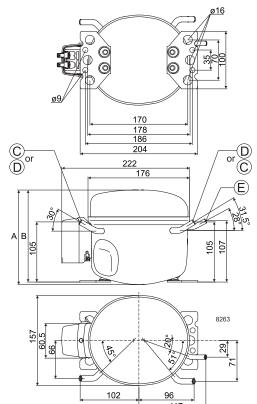
Motor type	RSIR/CSIR				
LRA (rated after 4 sec. UL984), HST LST	Α	5.8	4.7		
Cut in Current, HST LST	Α	5.8	8.7		
Resistance, main start winding (25°C)	Ω	16.0	17.0		

Design

Displacement	cm ³	5.08
Oil quantity (type)	cm ³	180 (polyolester)
Maximum refrigerant charge	g	400
Free gas volume in compressor	cm ³	1790
Weight without electrical equipment	kg	7.3

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:		

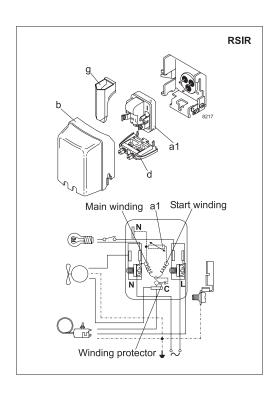


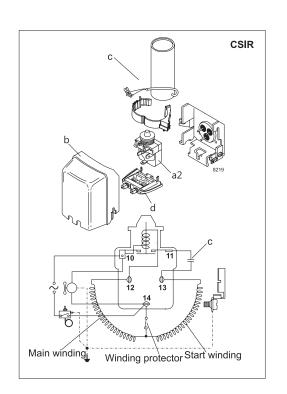
EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

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			47.8	70.7	98.0	109	131	170	216								
Power cons. in W			82.7	97.1	112	117	128	144	162								
Current cons. in A			0.96	0.98	1.01	1.02	1.05	1.10	1.15								
COP in W/W			0.58	0.73	0.88	0.93	1.02	1.18	1.33								

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			58.9	87.2	121	134	161	209	267								
Power cons. in W			82.7	97.1	112	117	128	144	162								
Current cons. in A			0.96	0.98	1.01	1,02	1.05	1.10	1.15								
COP in W/W			0.71	0.90	1.08	1.14	1.26	1.45	1.65								





Accessories for	TLS5F	Figure	Code number
PTC starting device	6.3 mm spade connectors	-4	103N0011
	4.8 mm spade connectors	a1	103N0018
Starting relay	6.3 mm spade connectors	a2	117U6004
Start capacitor 60 µF	6.3 mm spade connectors	С	117U5014
Cover		b	103N2010
Cord relief		d	103N1010
Protection screen for P7	ГС	g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE
Condensing temperature	55°C	55°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

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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