



SECOP

TLS4FT Tropical Compressor R134a 220-240V 50Hz

General

Code number	102G4424
Approvals	EN 60335-2-34
Compressors on pallet	125

Application

Application	LBP			
Frequency	Hz	50	60	
Evaporating temperature	°C	-35 to -10	_	
Voltage range	V	187 - 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	МВР	HBP	LBP	MBP	HBP	
32°C		S	_	_	_	_	_	
38°C		S	_	_	_	_	_	
43°C		S	_	_	_	_	_	

Remarks on application: In capillary tube systems where non-equalized pressures may occur at compressor start, or in areas with short power supply drop-outs, a starting capacitor can be used for ensuring a successful start (CSIR)

Approvals Barcode on white background Yellow background Country of origin or manufacturer R134a serial number 102G 4424 Made by Secop

TLS4FT

Application

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

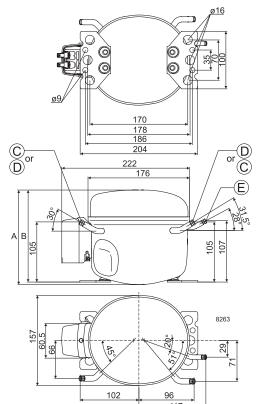
Motor type	RS	SIR	
LRA (rated after 4 sec. UL984), HST LST	Α	5.8	4.9
Cut in Current, HST LST	Α	5.8	8.7
Resistance, main start winding (25°C)	Ω	16.0	17.0

Design

Displacement	cm ³	3.86
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	7.5

Dimensions

Dimensions		
Height	mm	A 173
		B 169
		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:		

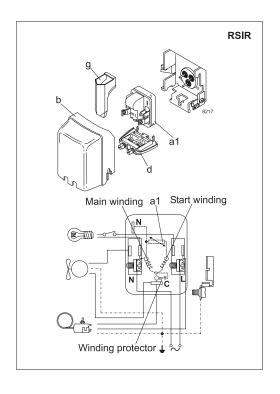


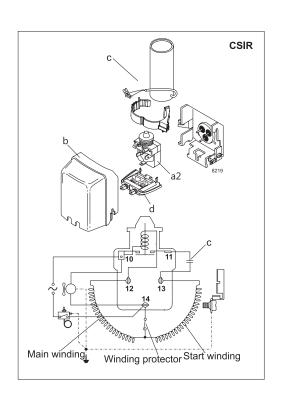
EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

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			27	43	63	71	88	117	152								
Power cons. in W			68	77	87	91	99	110	123								
Current cons. in A			0.78	0.79	0.82	0.82	0.84	0.87	0.91								
COP in W/W			0.40	0.56	0.72	0.78	0.89	1.06	1.24								

ASHRAE LBP 22	OV, 50Hz, static cooling, PTC consumption incl
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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			34	53	78	88	108	144	188								
Power cons. in W			68	77	87	91	99	110	123								
Current cons. in A			0.78	0.79	0.82	0.82	0.84	0.87	0.91								
COP in W/W			0.49	0.69	0.89	0.96	1.10	1.31	1.53								





Accessories for	TLS4FT	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 P	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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