

SC21FTX Tropical Compressor R134a 220-240V 50Hz

General

Code number	104G8105
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -5	-
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	MBP	HBP	LBP	MBP	HBP
32°C		F ₂	-	-	-	-	-
38°C		F ₂	-	-	-	-	-
43°C		F ₂	-	-	-	-	-
Remarks on application:							

Motor

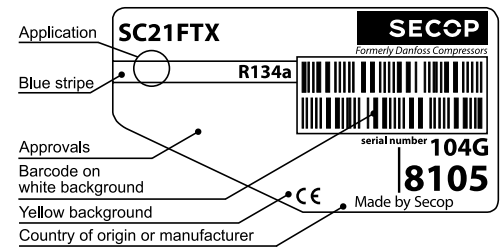
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	18.6	-
Cut in Current, HST LST	A	18.6	-
Resistance, main start winding (25°C)	Ω	3.7	14.1

Design

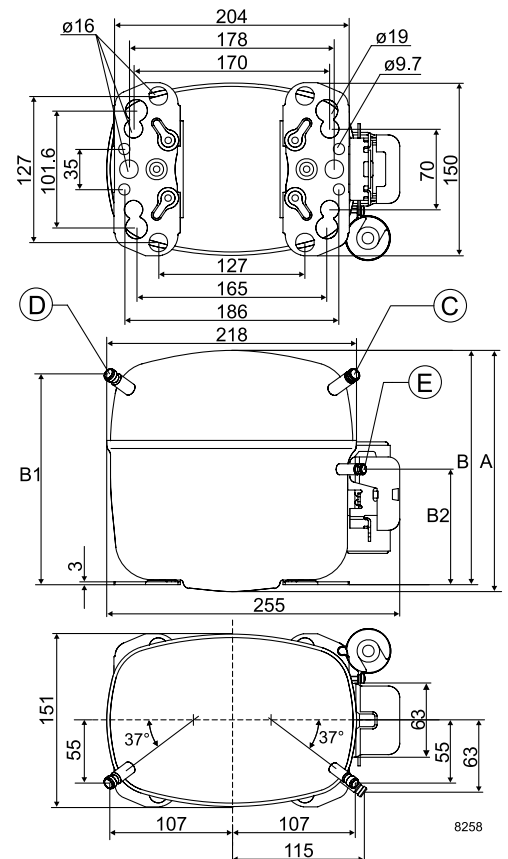
Displacement	cm ³	20.95
Oil quantity (type)	cm ³	550 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm ³	1460
Weight without electrical equipment	kg	13.5

Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm angle	C	10.2 37°
	material comment		Cu-plated steel Al cap
Process connector	location/I.D. mm angle	D	6.2 37°
	material comment		Cu-plated steel Al cap
Discharge connector	location/I.D. mm angle	E	6.2 37°
	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
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

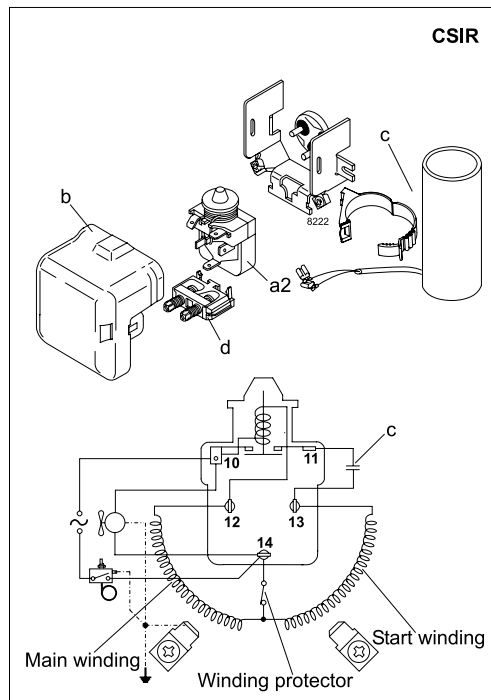


EN 12900 Household (CECOMAF) 220V, 50Hz, fan cooling F₂

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			192	296	415	460	553	713	901	1041	1119						
Power cons. in W			296	364	428	449	490	551	613	656	679						
Current cons. in A			2.66	2.88	3.12	3.20	3.37	3.64	3.92	4.11	4.22						
COP in W/W			0.65	0.81	0.97	1.02	1.13	1.30	1.47	1.59	1.65						

ASHRAE LBP 220V, 50Hz, fan cooling F₂

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			237	365	512	567	682	881	1114	1288	1385						
Power cons. in W			296	364	428	449	490	551	613	656	679						
Current cons. in A			2.66	2.88	3.12	3.20	3.37	3.64	3.92	4.11	4.22						
COP in W/W			0.80	1.00	1.20	1.26	1.39	1.60	1.82	1.96	2.04						



Accessories for	SC21FTX	Figure	Code number	Test conditions	EN 12900/CECOMAF	ASHRAE LBP
PTC starting device	6.3 mm spade connectors	a1	-	Condensing temperature	55°C	55°C
	4.8 mm spade connectors		-	Ambient temperature	32°C	32°C
Starting relay	6.3 mm spade connectors	a2	117U6019	Suction gas temperature	32°C	32°C
Cover		b	103N2009	Liquid temperature	55°C	32°C
Start. capacitor 80 µF	6.3 mm spade connectors	c	117U5017			
Cord relief		d	103N1004			
Protection screen for PTC		g	-			
				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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