

SC15MFX
Standard Compressor
R134a
220-240V 50Hz

General

Code number	104G8501
Approvals	EN 60335-2-34, CCC
Compressors on pallet	80

Application

Application		MBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-30 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	MBP	HBP	LBP	MBP	HBP
32°C		—	F ₂	—	—	—	—
38°C		—	F ₂	—	—	—	—
43°C		—	F ₂	—	—	—	—
Remarks on application:							

Motor

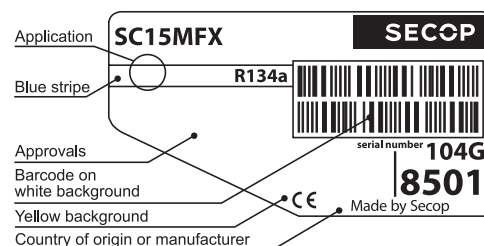
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	14.8	–
Cut in Current, HST LST	A	14.8	–
Resistance, main start winding (25°C)	Ω	5.0	13.7

Design

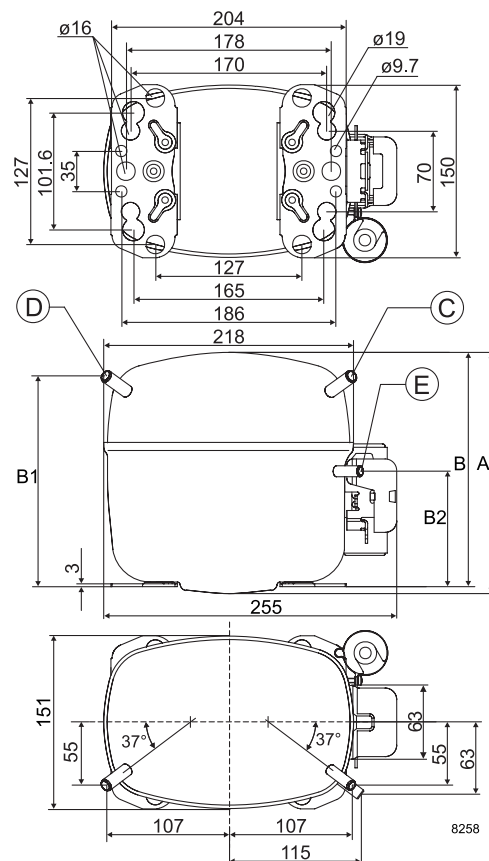
Displacement	cm ³	15.28
Oil quantity (type)	cm ³	500 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm ³	1410
Weight without electrical equipment	kg	13.1

Dimensions

Height	mm	A	209
		B	203
		B1	183
		B2	100
Suction connector	location/I.D. mm angle	C	10.2 37°
	material comment	Copper Rubber plug	
Process connector	location/I.D. mm angle	D	6.2 37°
	material comment	Copper Rubber plug	
Discharge connector	location/I.D. mm angle	E	6.2 37°
	material comment	Copper Rubber plug	
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

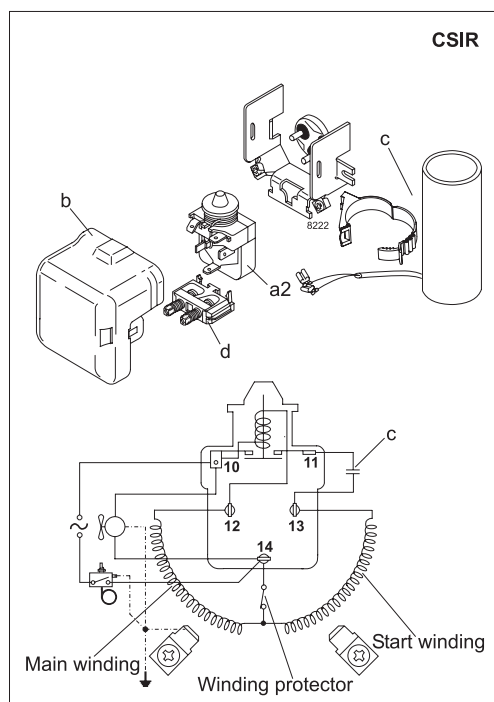


EN 12900 Household (CECOMAF)220V, 50Hz, fan cooling F₂

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				102	200	236	310	438	604	697	759	961	1196	1311	1468		
Power cons. in W				201	268	289	328	384	442	472	489	542	596	620	653		
Current cons. in A				2.09	2.26	2.32	2.43	2.61	2.79	2.91	2.97	3.15	3.34	3.42	3.52		
COP in W/W				0.51	0.75	0.82	0.95	1.14	1.37	1.48	1.55	1.77	2.01	2.11	2.25		

ASHRAE MBP220V, 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				116	223	262	344	483	645	767	835	1057	1315	1441	1614		
Power cons. in W				204	269	290	329	384	436	470	487	539	592	616	649		
Current cons. in A				2.09	2.26	2.32	2.43	2.61	2.78	2.90	2.96	3.14	3.33	3.41	3.51		
COP in W/W				0.57	0.83	0.90	1.05	1.26	1.48	1.63	1.71	1.96	2.22	2.34	2.49		



Accessories for	SC15MFX	Figure	Code number	Test conditions	EN 12900/CECOMAF	ASHRAE MBP
PTC starting device	6.3 mm spade connectors	a1	—	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors		—	Ambient temperature	32°C	35°C
Starting relay	6.3 mm spade connectors	a2	117U6005	Suction gas temperature	32°C	35°C
Cover		b	103N2008	Liquid temperature	no subcooling	46.1°C
Start. capacitor 80 µF	6.3 mm spade connectors	c	117U5017	Mounting accessories 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		
Cord relief		d	103N1004			
Protection screen for PTC		g	—			

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. www.secop.com