

104G

8823

SECOP

208-230V-60Hz 1PH

THERMALLY PROTECTED Approval mark

SC18G

## SC18G Standard Compressor R134a 208-230V 60Hz

## General

Code number	104G8823
Approvals	UL984
Compressors on pallet	80

## **Application**

Application		M	BP
Frequency	Hz	50	60
Evaporating temperature	°C	_	-20 to 10
Voltage range	V	_	187 - 254
Max. condensing temperature continuous (short)	°C	_	60 (70)
Max. winding temperature continuous (short)	°C	_	125 (135)

# S = Static cooling normally sufficient

SC18G

Application

Blue stripe

Approvals

Barcode on white background

Yellow background

Country of origin or manufacturer

O = Oil cooling

F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)

F<sub>2</sub> = Fan cooling 3.0 m/s necessary

SG = Suction gas cooling normally sufficent

= not applicable in this area

## **Cooling requirements**

Frequency	Hz		50			60	
Application		LBP	MBP	HBP	LBP	МВР	HBP
32°C		_	_	_	_	F <sub>2</sub>	_
38°C		_	_	_	_	F <sub>2</sub>	_
43°C		_	_	_	_	F <sub>2</sub>	_
Remarks on application:							

#### Motor

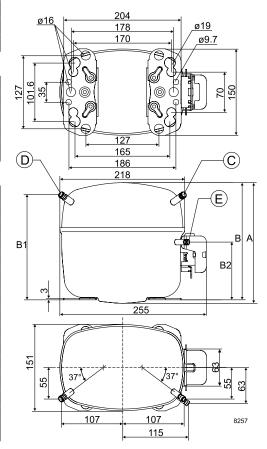
Motor type	CSR					
LRA (rated after 4 sec. UL984), HST   LST	Α	21.8	_			
Cut in Current, HST   LST	Α	21.8	_			
Resistance, main   start winding (25°C)	Ω	3.5	12.1			

#### Design

Displacement	cm <sup>3</sup>	17.69
Oil quantity (type)	cm <sup>3</sup>	600 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm <sup>3</sup>	1460
Weight without electrical equipment	kg	13.7

### **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 6.5   37°
	material   comment	Cu-plated steel   Al cap
Discharge connector	location/I.D. mm   angle	E 6.5   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:		

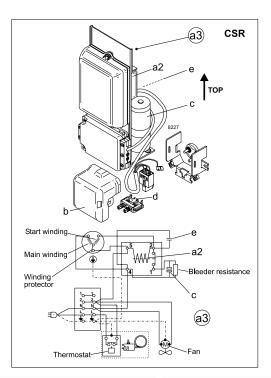


EN 12900 Household (CECOMAF)	230V, 60Hz, fan cooling F <sub>2</sub>
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Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W							432	573	745	879	955	1207	1506	1654	1858		
Power cons. in W							393	449	511	554	577	643	708	736	770		
Current cons. in A							1.83	2.14	2.45	2.65	2.75	3.05	3.35	3.48	3.65		
COP in W/W							1.10	1.27	1.46	1.59	1.66	1.88	2.13	2.25	2.41		

ASHRAE MBP		230V,	60Hz, f	an cooli	ng F <sub>2</sub>

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							476	630	820	967	1050	1328	1657	1820	2045		
Power cons. in W							392	449	510	553	575	641	705	733	766		
Current cons. in A							1.84	2.15	2.45	2.65	2.75	3.05	3.34	3.47	3.63		
COP in W/W							1.21	1.40	1.61	1.75	1.83	2.07	2.35	2.48	2.67		



Accessories for	SC18G	Figure	Code number
Sarting device	470 mm cable length		117-7038
	550 mm cable length	a3	117-7039
	1000 mm cable length		117-7043
Cover		b	103N2008
Starting relay		a2	Components
Starting capacitor		С	of starting
Run capacitor		е	device
Cord relief		d	103N1004

Test conditions	EN 12900/CECOMAF	ASHRAE MBP
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	35°C
Suction gas temperature	32°C	35°C
Liquid temperature	no subcooling	46.1°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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