

## Single Pack SC18CNLX.2 208-230V 60Hz CSCR

Single pack code number: **195B4548**

Position	Title	Code	Amount
1	Compressor SC18CNLX.2	104H8877	1
2	SC starting device (550mm)	117-7039	1
3	Cord relief	103N1004	1
4	Cover	103N2008	1
5	Snap-on in quantities   ø7,3   ø16mm	118-1919	1

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**SC18CNLX.2**  
**LBP Compressor**  
**R290**  
**208-230V 60Hz**

## General

Code number	104H8877
Approvals	UL984
Compressors on pallet	80

## Application

Application		LBP	
Frequency	Hz	50	60
Evaporating temperature	°C	–	-40 to -5
Voltage range	V	–	187 - 254
Max. condensing temperature continuous (short)	°C	–	55 (65)
Max. winding temperature continuous (short)	°C	–	125 (135)

### Cooling requirements

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

## Motor

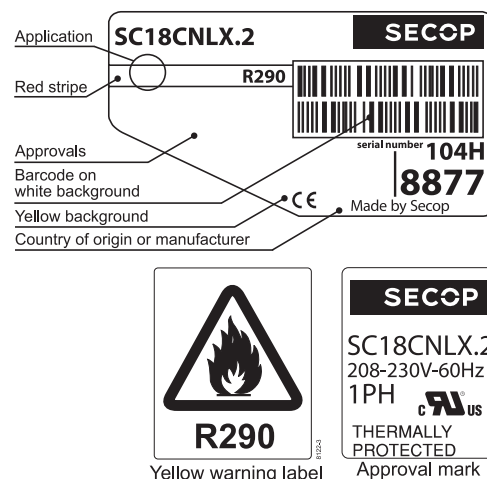
Motor type	CSR	
LRA (rated after 4 sec. UL984), HST   LST	A	21.6
Cut in Current, HST   LST	A	21.6
Resistance, main   start winding (25°C)	Ω	3.3

## Design

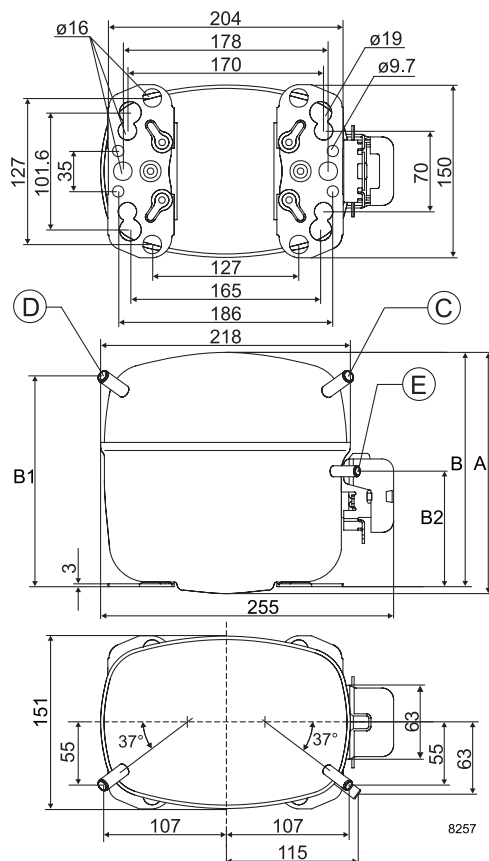
Displacement	cm <sup>3</sup>	17.69
Oil quantity (type)	cm <sup>3</sup>	550 (polyolester)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1460
Weight without electrical equipment	kg	13.8

## Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm   angle	C	9.63   37°
	material   comment	Copper   Rubber plug	
Process connector	location/I.D. mm   angle	D	6.5   37°
	material   comment	Copper   Rubber plug	
Discharge connector	location/I.D. mm   angle	E	6.5   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  
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 sufficient  
– = not applicable in this area



**EN 12900/CECOMAF**

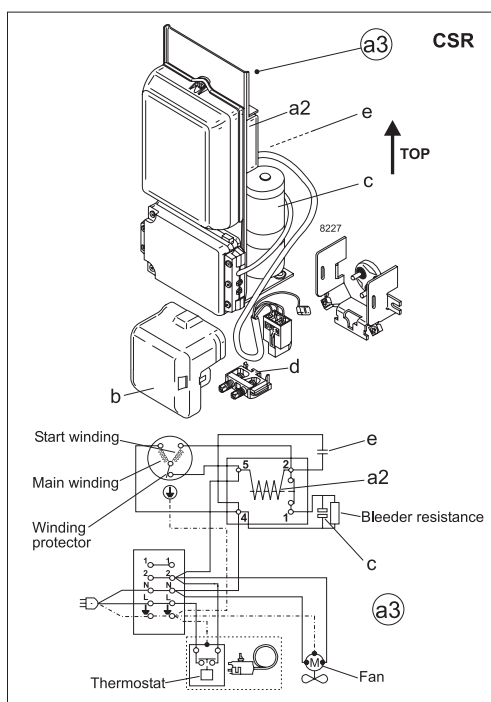
 230V, 60Hz, fan cooling F<sub>2</sub>

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		174	367	535	691	744	848	1021	1221	1375	1462						
Power cons. in W		439	497	555	614	634	671	724	772	800	813						
Current cons. in A		1.94	2.26	2.57	2.85	2.94	3.10	3.32	3.50	3.59	3.63						
COP in W/W		0.40	0.74	0.96	1.12	1.17	1.26	1.41	1.58	1.72	1.80						

**ASHRAE LBP**

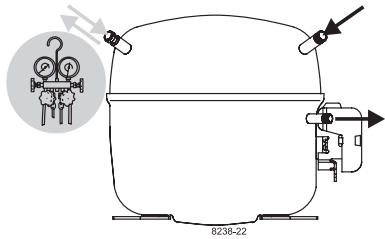
 230V, 60Hz, fan cooling F<sub>2</sub>

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		221	457	663	856	922	1052	1267	1519	1712	1822						
Power cons. in W		436	494	554	614	634	671	724	772	799	812						
Current cons. in A		1.93	2.26	2.57	2.85	2.95	3.11	3.33	3.51	3.61	3.65						
COP in W/W		0.51	0.92	1.20	1.39	1.45	1.57	1.75	1.97	2.14	2.24						



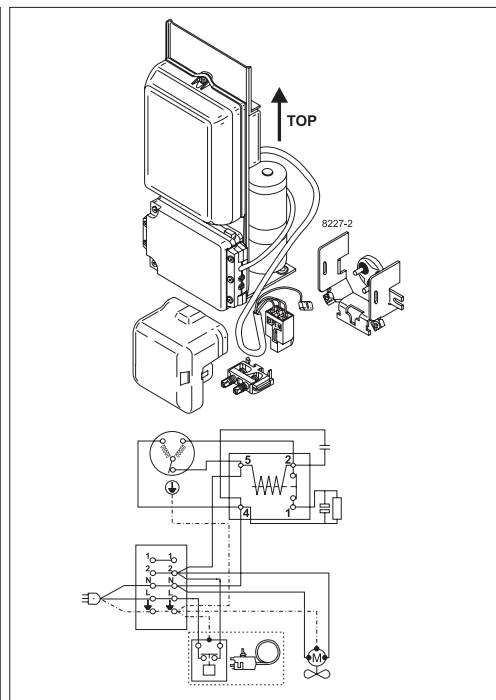
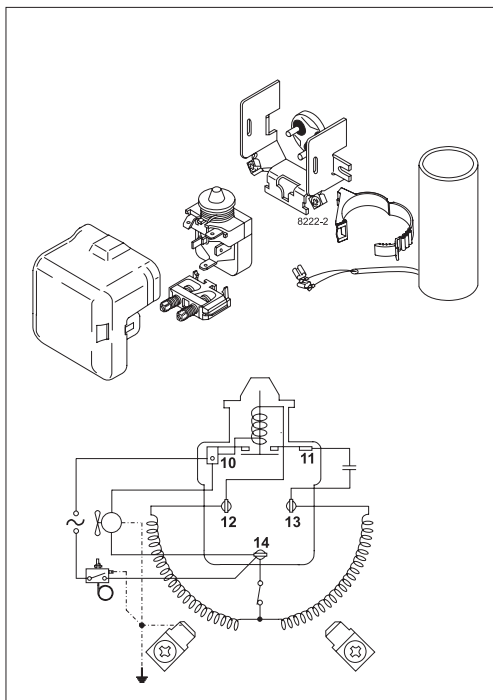
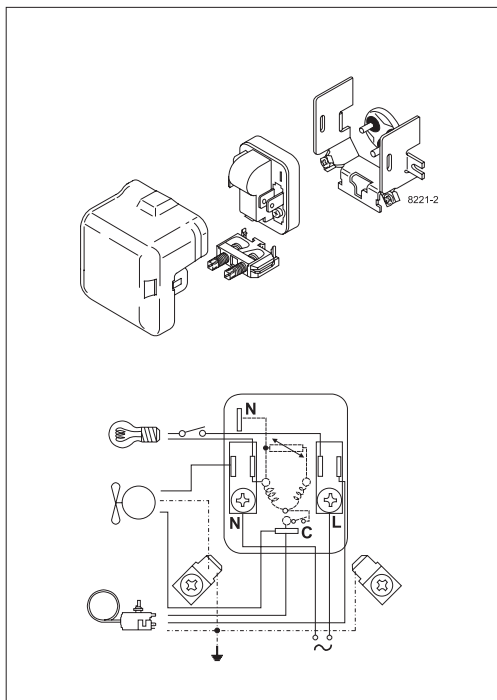
Accessories for	SC18CNLX.2	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE LBP												
Sarting device	550 mm cable length	a3	117-7039	Condensing temperature	55°C	54.4°C												
				Ambient temperature	32°C	32°C												
				Suction gas temperature	32°C	32.2°C												
Cover		b	103N2008	Liquid temperature	no subcooling	32.2°C												
Starting relay	6.3 mm spade connectors	a2	Components of starting device															
Start. capacitor 80 μF	6.3 mm spade connectors	c																
Run capacitor 10 μF	6.3 mm spade connectors	e																
Cord relief		d	103N1004															
				<table><tr><th colspan="2">Mounting accessories</th><th>Code number</th></tr><tr><td>Bolt joint for one comp.</td><td>Ø: 16 mm</td><td>118-1917</td></tr><tr><td>Bolt joint in quantities</td><td>Ø: 16 mm</td><td>118-1918</td></tr><tr><td>Snap-on in quantities</td><td>Ø: 16 mm</td><td>118-1919</td></tr></table>			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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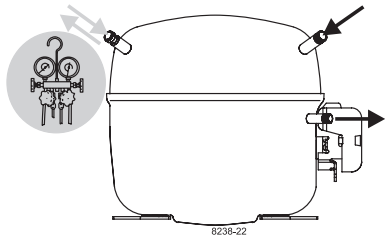
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# SC Compressors

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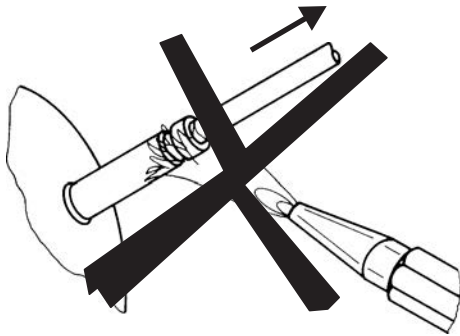




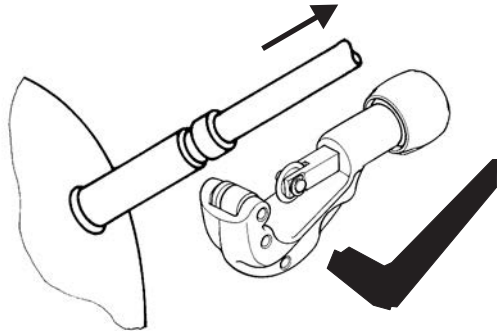
# SC Compressors

## Service/Repair – R290

**SECOP**



8545



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