

## Single Pack SC12CLX 220-240V 60Hz CSIR

Single pack code number: **195B4361**

Position	Title	Code	Amount
1	Compressor SC12CLX	104L2695	1
2	Starting relay	117U6019	1
3	Starting capacitor (80µF 220V, 6.3mm)	117U5017	1
4	Cord relief	103N1004	1
5	Cover	103N2008	1
6	Bolt joint for one compressor   M6   ø16mm	118-1917	1

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## SC12CLX LBP Compressor R404A/R507 220-240V 60Hz

### General

Code number	104L2695
Approvals	UL984, KC
Compressors on pallet	80

### Application

Application	LBP			
Frequency	Hz	50	60	
Evaporating temperature	°C	–	-40 to -10	
Voltage range	V	–	198 - 254	
Max. condensing temperature continuous (short)	°C	–	55 (60)	
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		–	–	–	–	–	–
Remarks on application:							

### Motor

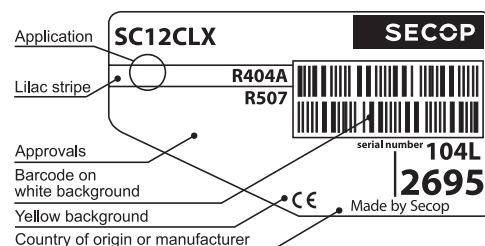
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	18.6	–
Cut in Current, HST   LST	A	18.6	–
Resistance, main   start winding (25°C)	Ω	3.7	14.1

### Design

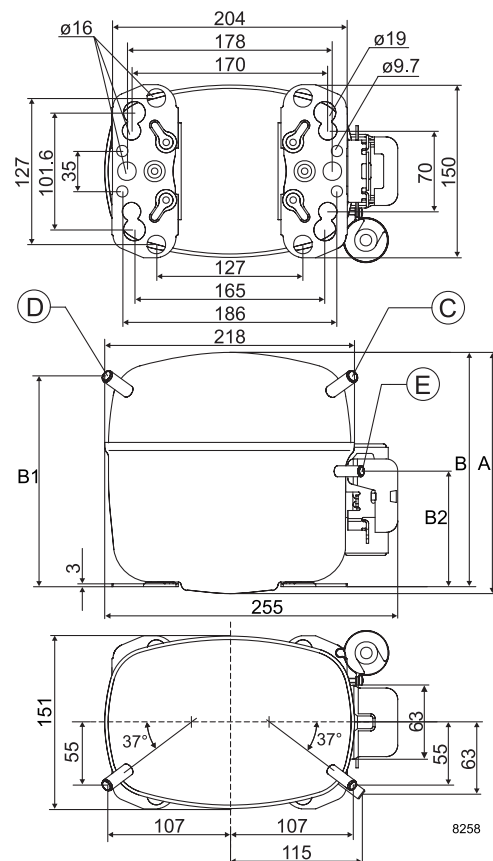
Displacement	cm <sup>3</sup>	12.87
Oil quantity (type)	cm <sup>3</sup>	500 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm <sup>3</sup>	1510
Weight without electrical equipment	kg	13.7

### Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm   angle	C	8.2   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
- 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



**ASHRAE LBP\***

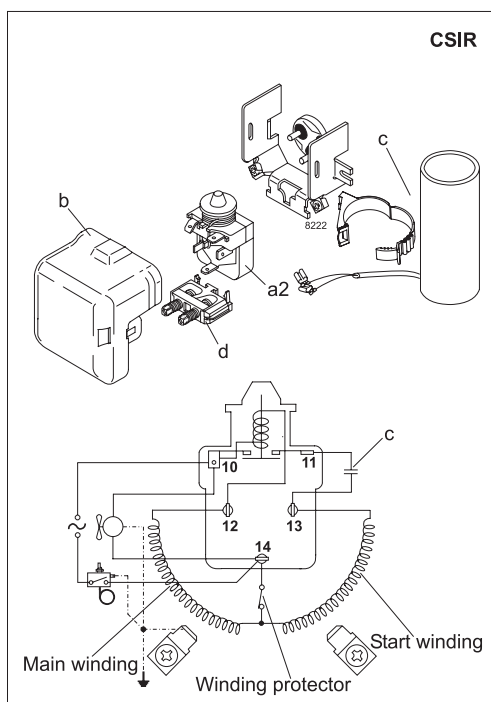
 230V, 60Hz, fan cooling F<sub>2</sub>

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		190	343	509	694	762	901	1134	1399								
Power cons. in W		290	383	464	540	565	614	692	781								
Current cons. in A		2.61	2.77	2.98	3.23	3.33	3.54	3.89	4.29								
COP in W/W		0.66	0.90	1.10	1.29	1.35	1.47	1.64	1.79								

**EN 12900 Household (CECOMAF)\***

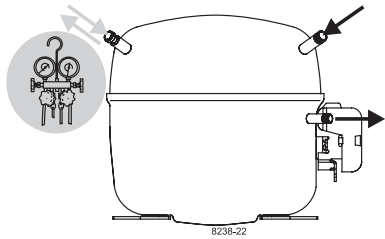
 230V, 60Hz, fan cooling F<sub>2</sub>

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		146	282	429	590	649	770	972	1200								
Power cons. in W		277	376	462	540	566	616	696	784								
Current cons. in A		2.58	2.75	2.96	3.23	3.33	3.54	3.91	4.32								
COP in W/W		0.53	0.75	0.93	1.09	1.15	1.25	1.40	1.53								



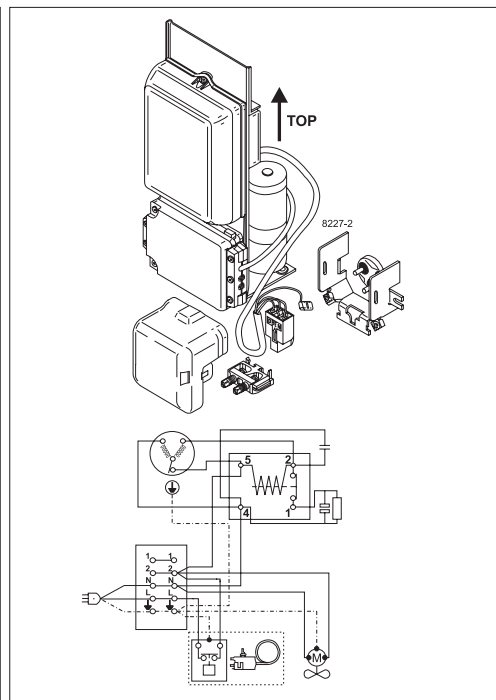
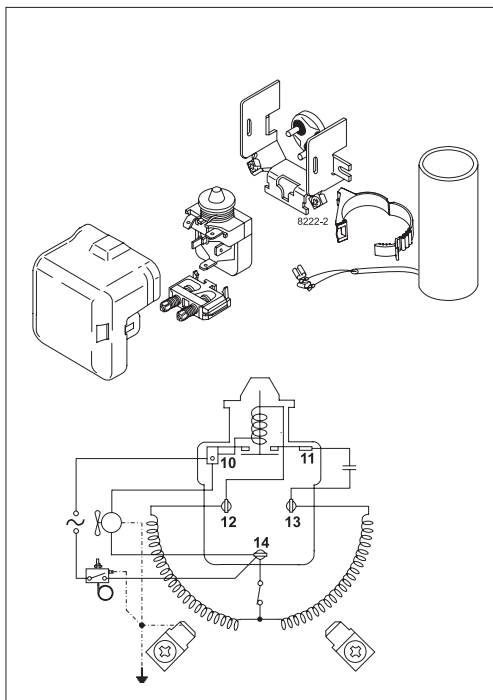
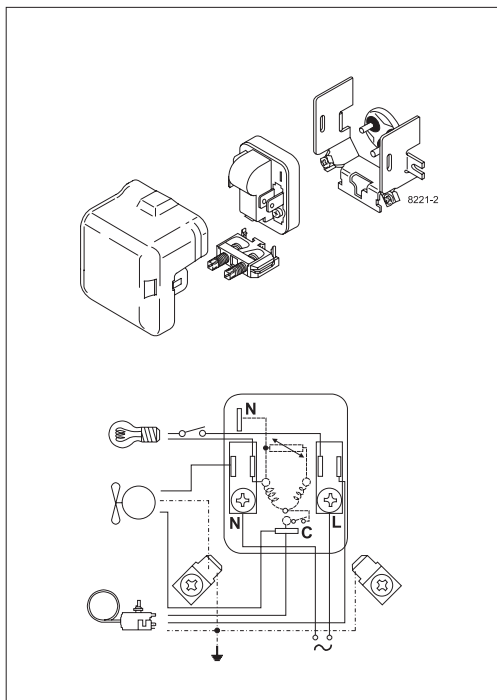
Accessories for	SC12CLX	Figure	Code number	Test conditions	EN 12900/CECOMAF*	ASHRAE LBP*												
PTC starting device	6.3 mm spade connectors	a1	—	Condensing temperature	45°C	43.3°C												
	4.8 mm spade connectors		—	Ambient temperature	32°C	32°C												
Starting relay	6.3 mm spade connectors	a2	117U6019	Suction gas temperature	32°C	32°C												
Cover		b	103N2008	Liquid temperature	no subcooling	32°C												
Start. capacitor 80 µF	6.3 mm spade connectors	c	117U5017	<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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Cord relief		d	103N1004															
Protection screen for PTC		g	—															

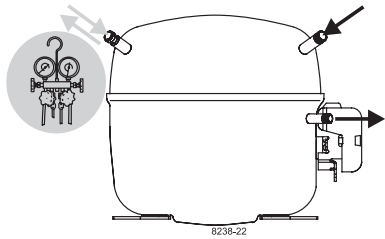
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# SC Compressors

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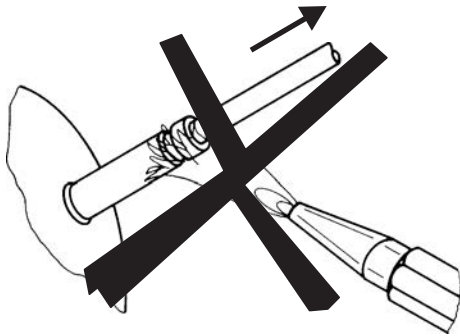




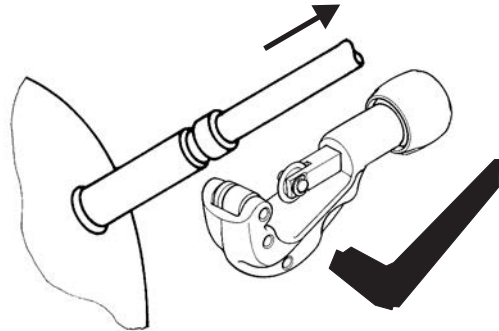
# SC Compressors

## Service/Repair – R290

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