

## SC15CLX LBP Compressor R404A/R507 220-240V 60Hz

### General

Code number	104L2854
Approvals	UL984, KC
Compressors on pallet	80

### Application

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

### Motor

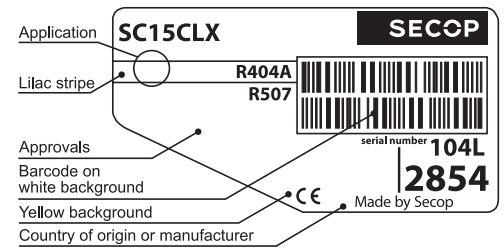
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST   LST	A	21.8	-
Cut in Current, HST   LST	A	21.8	-
Resistance, main   start winding (25°C)	Ω	3.5	12.1

### Design

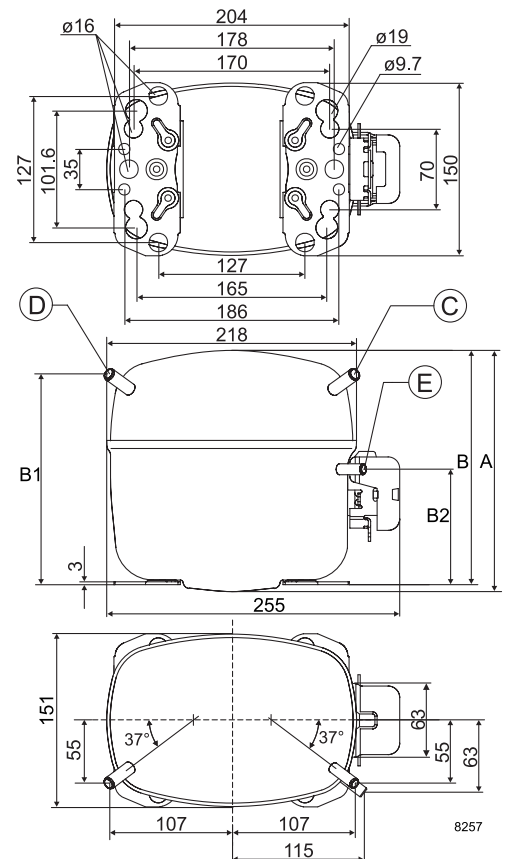
Displacement	cm <sup>3</sup>	15.28
Oil quantity (type)	cm <sup>3</sup>	500 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm <sup>3</sup>	1510
Weight without electrical equipment	kg	13.7

### Dimensions

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

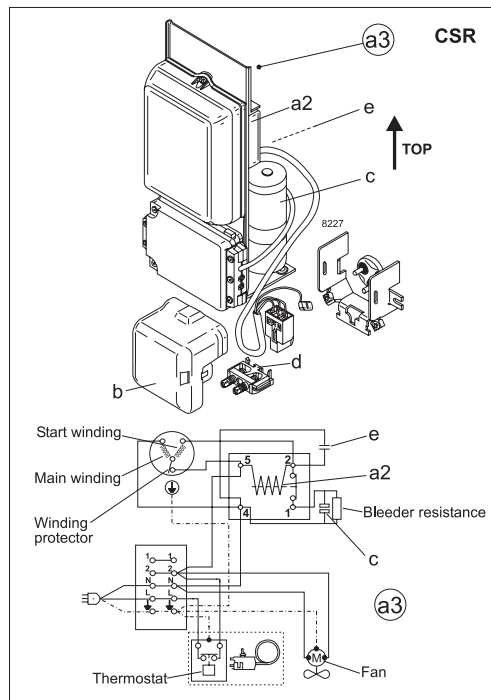


**EN 12900 Household (CECOMAF)\*** 230V, 60Hz, fan cooling F<sub>2</sub>

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		179	351	530	720	788	928	1158	1417								
Power cons. in W		303	414	515	610	641	699	783	864								
Current cons. in A		1.51	1.99	2.46	2.90	3.05	3.33	3.73	4.11								
COP in W/W		0.59	0.85	1.03	1.18	1.23	1.33	1.48	1.64								

**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		208	407	614	836	915	1078	1347	1649								
Power cons. in W		303	414	515	610	641	699	783	864								
Current cons. in A		1.51	1.99	2.46	2.90	3.05	3.33	3.73	4.11								
COP in W/W		0.68	0.98	1.19	1.37	1.43	1.54	1.72	1.91								



Accessories for	SC15CLX	Figure	Code number	Test conditions	EN 12900/CECOMAF*	ASHRAE LBP*
Starting device	550 mm cable length	a3	117-7039	Condensing temperature	45°C	45°C
	1000 mm cable length		117-7043	Ambient temperature	32°C	32°C
Cover		b	103N2008	Suction gas temperature	32°C	32°C
Starting relay	6.3 mm spade connectors	a2	Components of starting device	Liquid temperature	no subcooling	32°C
Start. capacitor 80 µF	6.3 mm spade connectors	c				
Run capacitor 10 µF	6.3 mm spade connectors	e				
Cord relief		d	103N1004	<b>Mounting accessories</b>		
				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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