

SC18CLX.2 LBP Compressor R404A/R507 220-240V 50Hz

General

Code number (pre-assembled CSIR start equipment)	104L2173
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-45 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 ₂	—	—	—	—	—
38°C		F ₂	—	—	—	—	—
43°C		F ₂	—	—	—	—	—

Remarks on application: 207-254V above -15°C evaporating temperature

Motor

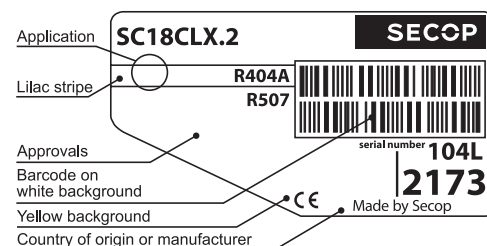
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST LST	A	23.5	—
Cut in Current, HST LST	A	23.5	—
Resistance, main start winding (25°C)	Ω	3.3	14.0

Design

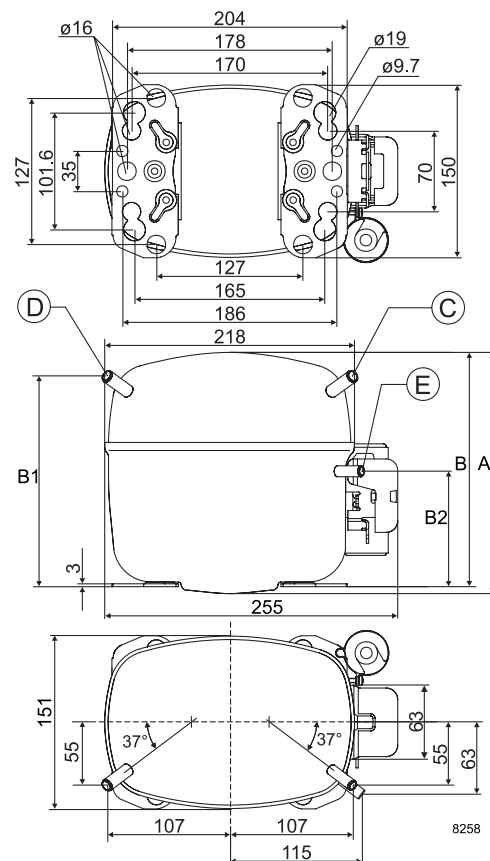
Displacement	cm ³	17.68
Oil quantity (type)	cm ³	600 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm ³	1460
Weight without electrical equipment	kg	13.8

Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm angle	C	10.2 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
- 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

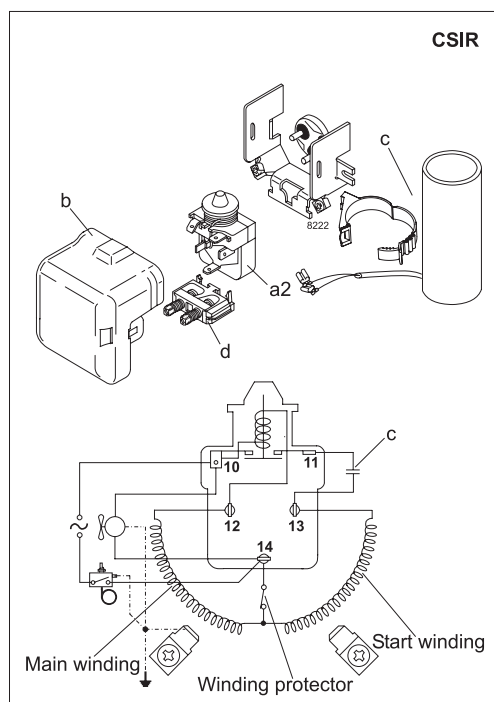


EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

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	194	306	439	595	780	849	995	1245	1532								
Power cons. in W	354	436	517	598	680	708	765	854	949								
Current cons. in A	3.13	3.40	3.68	3.98	4.28	4.39	4.60	4.92	5.26								
COP in W/W	0.55	0.70	0.85	1.00	1.15	1.20	1.30	1.46	1.61								

ASHRAE LBP* 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	225	355	508	691	905	986	1156	1447	1783								
Power cons. in W	354	436	517	598	680	708	765	854	949								
Current cons. in A	3.13	3.40	3.68	3.98	4.28	4.39	4.60	4.92	5.26								
COP in W/W	0.64	0.81	0.98	1.16	1.33	1.39	1.51	1.69	1.88								



Accessories for SC18CLX.2 (pre-assembled CSIR start equipment)	Figure	Code number	Test conditions	EN 12900/ CECOMAF*	ASHRAE LBP*
PTC starting device 6.3 mm spade connectors 4.8 mm spade connectors	a1	— —	Condensing temperature	45°C	45°C
			Ambient temperature	32°C	32°C
Starting relay 6.3 mm spade connectors	a2	117U6013	Suction gas temperature	32°C	32°C
Cover	b	103N2009	Liquid temperature	no subcooling	32°C
Start. capacitor 125 µF 6.3 mm spade connectors	c	117U5012			
Cord relief	d	103N1004			
Protection screen for PTC	g	—			
			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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