

SC15CNX
LBP/MBP Compressor
R290
220-240V 50Hz

General

Code number	104H8565
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application		LBP/MBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-40 to 5	–
Voltage range	V	198 - 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 ₂	F ₂	—	—	—	—
38°C		F ₂	F ₂	—	—	—	—
43°C		F ₂	F ₂	—	—	—	—
Remarks on application:							

Motor

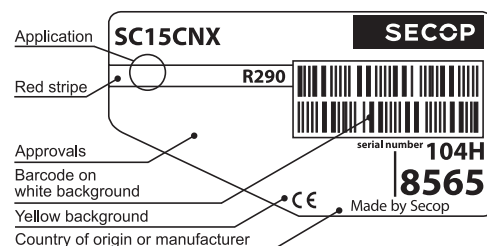
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST LST	A	14.8	–
Cut in Current, HST LST	A	14.8	–
Resistance, main start winding (25°C)	Ω	5.0	13.7

Design

Displacement	cm ³	15.28
Oil quantity (type)	cm ³	600 (polyolester)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1410
Weight without electrical equipment	kg	13.1

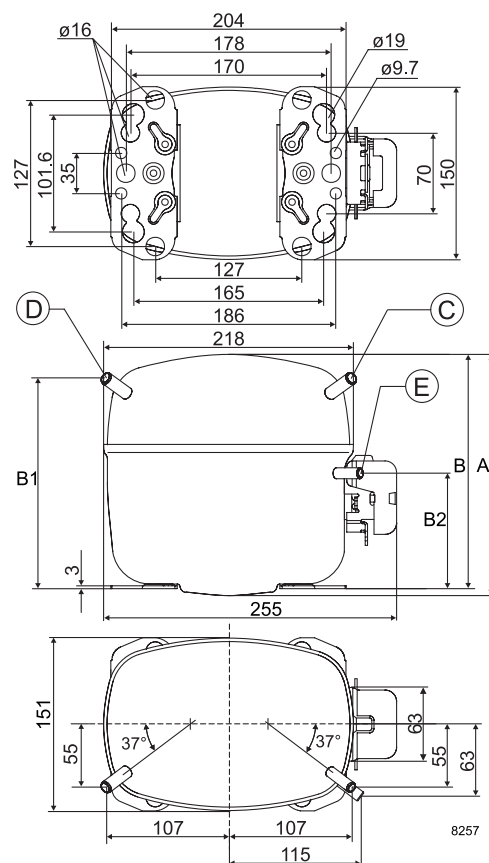
Dimensions

Height	mm	A	209
		B	203
		B1	183
		B2	100
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:			



Yellow warning label

- 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

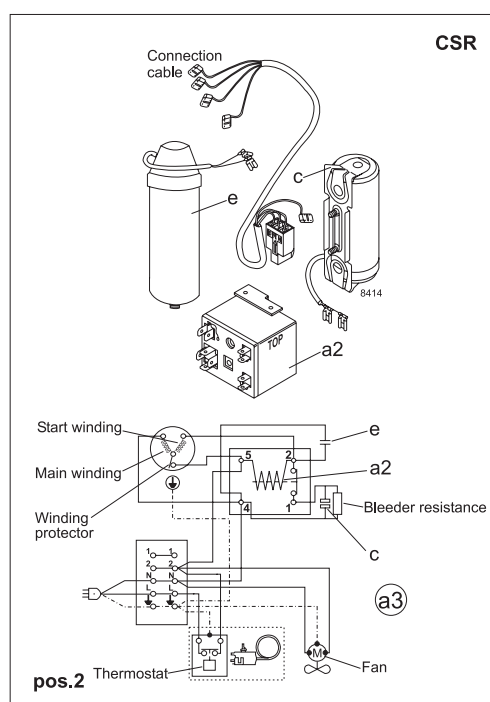
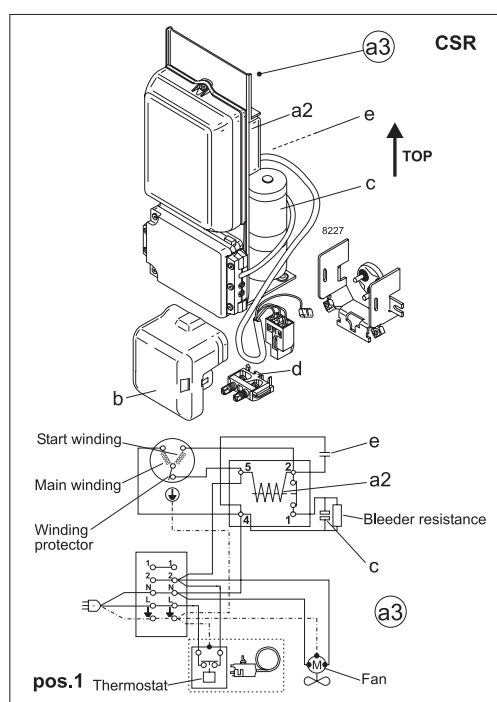


EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

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		195	297	415	550	601	707	887	1093	1245	1328	1594	1894				
Power cons. in W		256	315	370	420	436	467	514	560	592	608	659	715				
Current cons. in A		1.28	1.55	1.82	2.08	2.17	2.33	2.58	2.82	2.97	3.05	3.27	3.49				
COP in W/W		0.76	0.94	1.12	1.31	1.38	1.51	1.73	1.95	2.10	2.18	2.42	2.65				

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		217	331	462	614	671	789	991	1221	1391	1485	1784	2122				
Power cons. in W		256	315	370	420	436	467	514	560	592	608	659	715				
Current cons. in A		1.28	1.55	1.82	2.08	2.17	2.33	2.58	2.82	2.97	3.05	3.27	3.49				
COP in W/W		0.85	1.05	1.25	1.46	1.54	1.69	1.93	2.18	2.35	2.44	2.71	2.97				



Accessories for	SC15CNX	Figure	Code number
Starting device	550 mm cable length	a3 (pos.1)	117-7031
Starting device (kit)	1000 mm cable length	(pos.2)	117-9711
Starting relay		a2	Components of starting device
Start. capacitor		c	
Run capacitor		e	
Cover		b	103N2009
Cord relief		d	103N1004

Test conditions	EN 12900/ CECOMAF*	ASHRAE LBP*
Condensing temperature	45°C	45°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°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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