

Model			
Designation	SCE15CNX	220-240V/50Hz 1~	Sales code: 104H8540

Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	15,28cm³ / 0,93cu.in
Oil quantity	550cm³ / 18,6fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	550g / 19,4oz		
Free gas volume comp.	1460cm³ / 49,4fl.oz		
Weight	14,2kg / 31,3lbs		
Motor protection	external		
Winding resistance main	4,62Ω (at 25°C)		
Winding resistance aux	15,94Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	140°C / 284°F		



General - Configurations with SCE15CNX

	Conf. 1
Motorconfiguration	CSCR
Power supply (nominal)	220-240V/50Hz
Number of phases	1
Voltage range	198-254V
Approvals	VDE, CCC
Starting torque	HST
Note	Protector and cover are included and pre-assembled to compressor.

Applications with SCE15CNX

	Conf. 1
Refrigerant	R290
Application	LBP+MBP
System cooling	fan 3m/s
Hot gas defrost	OK
Long interval pull down	OK

Electrical data - Configurations with SCE15CNX

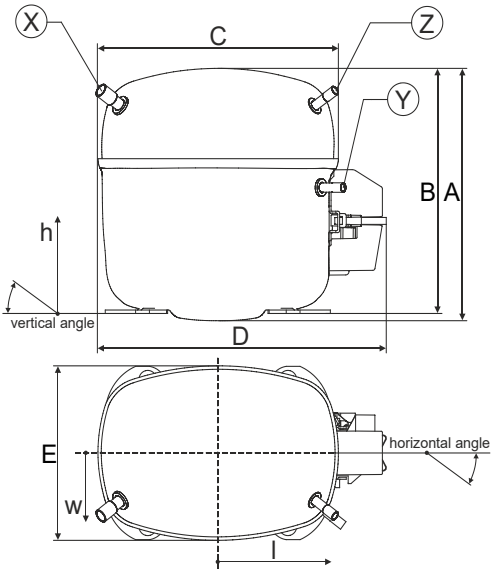
	Conf. 1
Starting device type	relay
Run capacitor	10μF
Start capacitor	80μF
LRA (locked rotor amps / 4s/ U(N))	16,51A
RLA (rated load amps / 1s/ U(N))	2,63A
Cut in current (U(N))	16,51A

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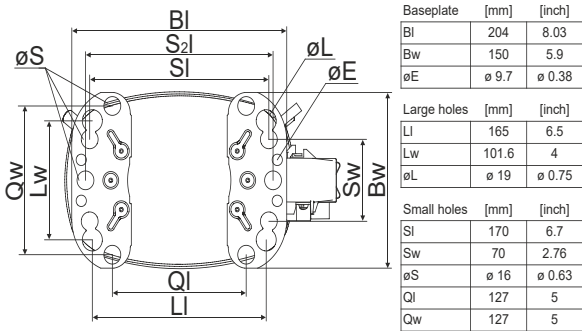
Compressor dimensions

Housing	A Height	219mm / 8,62in
	B Height	213mm / 8,39in
	C Length shell	218mm / 8,58in
	D Length w. cover	255mm / 10,04in
	E Width	151mm / 5,94in

Connectors	Suction	Discharge	Process
	X	Y	Z
Diameter [mm]	øi 10,11-10,29	øi 6,11-6,29	øi 6,11-6,29
(i:inside, o:outside) [in]	øi 0,4-0,41	øi 0,24-0,25	øi 0,24-0,25
Material	copper	copper	copper
Horizontal angle ±2°	37°	37°	143°
Vertical angle ±2°	30°	0°	150°
Position l/h/w [mm]	107/193/55	115/110/63	-107/193/55
	4,2/7,6/2,2	4,5/4,3/2,5	-4,2/7,6/2,2
Straight tube l. [mm]	12	12	12
	0,5	0,5	0,5



Compressor fixation

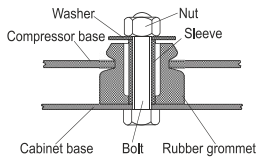


Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

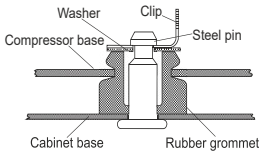
Application notes

Provision for PE Grounding is located at the PE Stamp on the compressor

Bolt joint



Snap-on

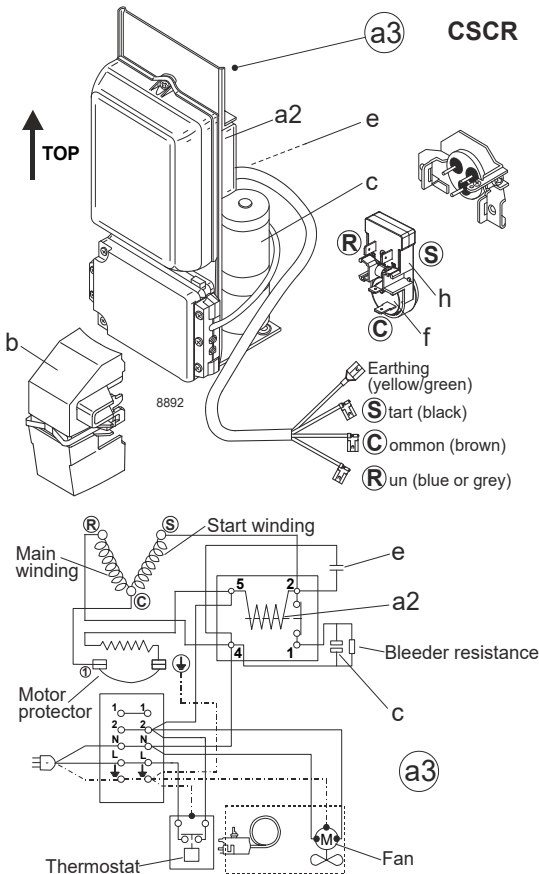


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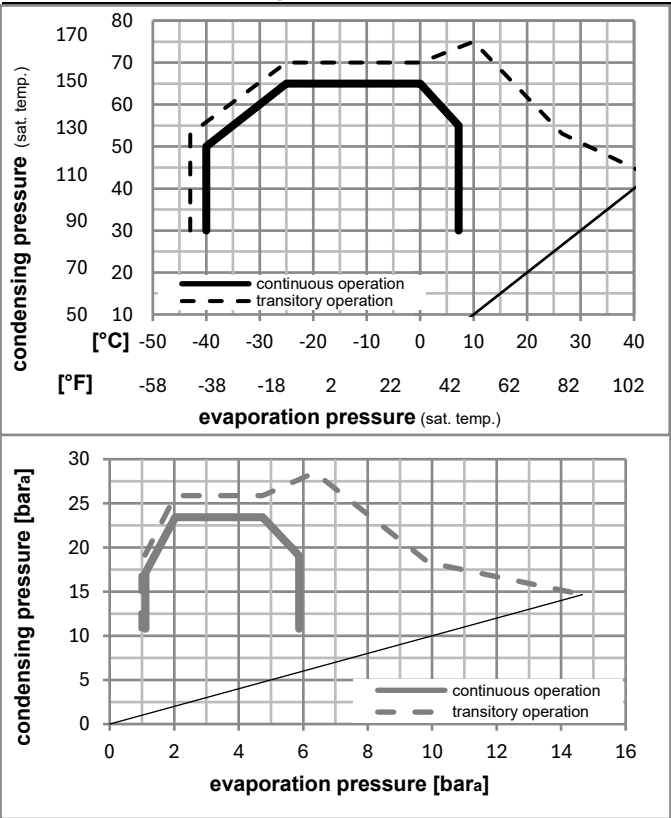
Configuration	Electrical accessories / wiring diagram			
Motorconfiguration	CSCR			
Power supply (nominal)	220-240V/50Hz 1~			
Refrigerant	R290			
Application	LBP+MBP			
Voltage range	198-254V			
Starting torque	HST			
Approvals	VDE			
	CCC			

Ambient/ machine room temperatures minimum /maximum

Ambient temperature range:	10 - 43°C / 50 - 110°F
Machine room temperature range:	10 - 48°C / 50 - 119°F
Compressor cooling:	fan 3m/s



Operation pressure range



Components (protector (f)+ holder (h)+ cover (b): pre assembled)		
a3	SC starter kit (550mm)	117-7810
f / h	protector assy. (T1132)	117U8004
d	cord relief	103N1004
b	plastic cover + clamp	117U1033

Alternative comp.

a2	potential relay (RVA 4L3R 447)	117-7429
e	run capacitor (10μF, 6.3mm)	117-7112
c	start capacitor (80μF)	117U5373

Noise emission

Operation pressures:	pe: -25°C / -13°F
	pc: 45°C / 113°F
Motor speed appr.:	2900rpm
Lw(A):	56dB(A)

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Optimization + standard conditions			R290, 230V/50Hz, CSCR, fan 3m/s, VDE, CCC		

	Evaporating pressure (saturation temperature)										Condensing pressure (saturation temperature)				Power consumption		
											Current consumption			Ref. mass flow			
											P1	I	ṁ				
	pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	COP	EER	[W]	[A]	[kg/h]					
[°C]	-23	54	32	32													
[°F]	-10	130	90	90	662,5	2263	570,2	1,62	5,52	1,39	409,8	1,92	6,71	ASHRAE LBP			
[°C]	-25	55	32	55													
[°F]	-13	131	90	131	488,2	1667	420,1	1,24	4,24	1,07	393,4	1,84	6,08	cecomaf LBP			
[°C]	-35	40	20	40													
[°F]	-31	104	68	104	355,6	1214	306,0	1,20	4,10	1,03	296,2	1,39	4,06	EN12900 LBP			
[°C]	-7	54	35	46													
[°F]	20	130	95	115	1278,4	4366	1100,2	2,23	7,63	1,92	572,5	2,65	14,58	ASHRAE MBP			
[°C]	-10	55	32	55													
[°F]	14	131	90	131	1006,3	3437	866,0	1,85	6,31	1,59	544,3	2,52	12,73	cecomaf MBP			
[°C]	-10	45	20	45													
[°F]	14	113	68	113	1130,0	3859	972,5	2,26	7,70	1,94	501,0	2,29	13,87	EN12900 MBP			