

Model

Designation	SCE21MNIX	220-240V/60Hz 1~	Sales code:	104H8151
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	21cm ³ / 1,28cu.in
Oil quantity	500cm ³ / 16,9fl.oz	Compressors on pallet	48
Refr. charge - tech. limit	500g / 17,6oz		
Free gas volume comp.	3150cm ³ / 106,5fl.oz		
Weight	14,9kg / 32,8lbs		
Motor protection	1# internal		
Winding resistance main	2,2Ω (at 25°C)		
Winding resistance aux	5,3Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	140°C / 284°F		



General - Configurations with SCE21MNIX

	Conf. 1
Motor configuration	CSCR
Power supply (nominal)	220-240V/60Hz
Number of phases	1
Voltage range	195-254V
Approvals	UL
Starting torque	HST
Note	Starter kit(relay), cover and cord relief are included and pre-assembled.

Applications with SCE21MNIX

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

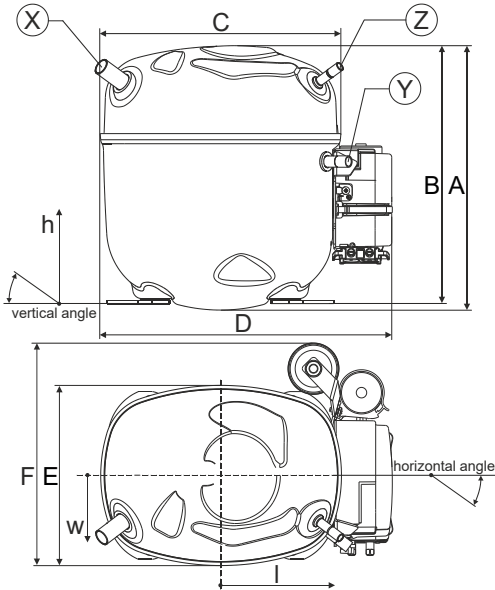
Electrical data - Configurations with SCE21MNIX

	Conf. 1
Starting device type	relay
Run capacitor	15μF
Start capacitor	60μF
LRA (locked rotor amps / 4s/ U(N))	31,8A
RLA (rated load amps / 1s/ U(N))	4A
Cut in current (U(N))	

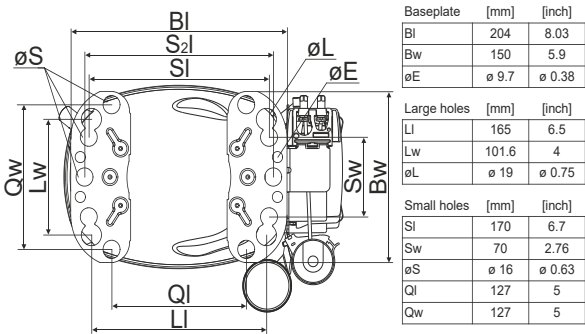
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Compressor dimensions

Housing	A Height	236,4mm / 9,31in	
	B Height	230,6mm / 9,08in	
	C Length shell	217mm / 8,54in	
	D Length w. cover	263,4mm / 10,37in	
	E Width	161,1mm / 6,34in	
	F Width with equipment	199mm / 7,83in	
Connectors	Suction	Discharge	Process
	X	Y	Z
Diameter [mm]	øi 9,54-9,72	øi 6,41-6,59	øi 6,41-6,59
(i:inside, o:outside) [in]	øi 0,38-0,38	øi 0,25-0,26	øi 0,25-0,26
Material	copper	copper	copper
Horizontal angle ±2°	37°	37°	37°
Vertical angle ±2°	36°	0°	36°
Position l/h/w [mm]	-111/212/57	116/127/81	110/94/72
[in]	-4,4/8,3/2,2	4,5/5/3,2	4,3/3,7/2,8
Straight tube l. [mm]	12	12	12
[in]	0,5	0,5	0,5

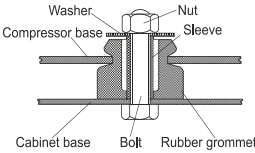


Compressor fixation

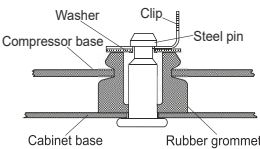


Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Bolt joint



Snap-on



Application notes

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

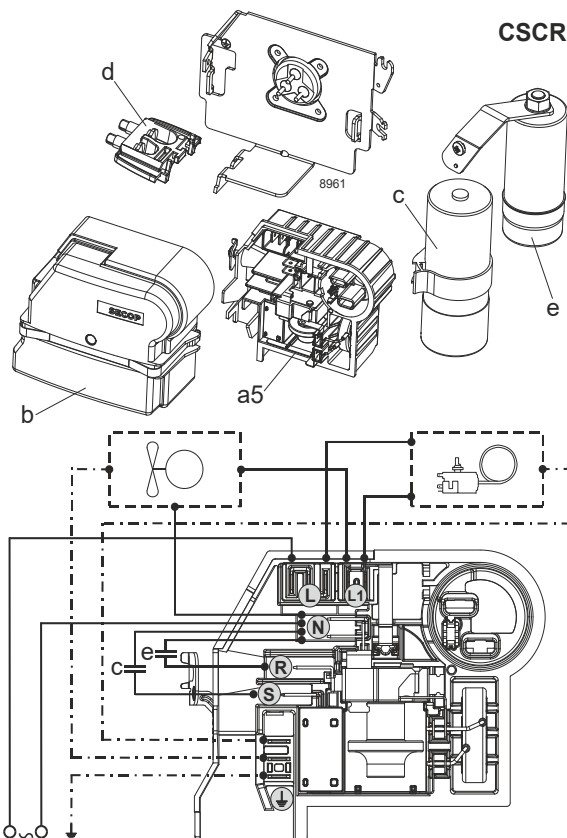
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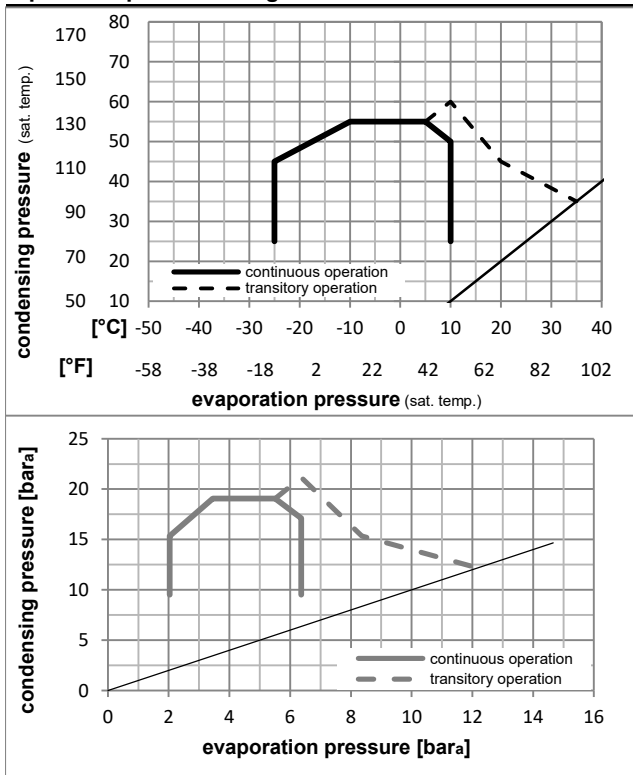
Electrical accessories / wiring diagram



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 (Starter kit (a5)+cover (b) +cord relief (d): pre assembled)

a5	SC starter kit	117U8102
b	cover terminal board + clamp	117U1036
c	start capacitor (60µF)	117U5351
e	run capacitor (15µF, 6.3mm)	117-7167
e1	retaining clamp	117-0313
	screw M4x8mm	117-0301
d	cord relief	103N1007

Model

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Optimization + standard conditions

R290, 230V/60Hz, CSCR, fan 3m/s, UL

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
					Return gas temp.						Current consumption			
					Liquid temp.						Ref. mass flow			
					Cooling capacity						COP			
					EER						P1			
					[W]						I			
					[Btu/h]						m			
					[kcal/h]						[kg/h]			
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