

Model

Designation	SCE23MNDX	220-240V/50Hz 1~	Sales code:	104H8300
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	23cm ³ / 1,4cu.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	2,8Ω (at 25°C)		
Winding resistance aux	10,9Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	140°C / 284°F		



General - Configurations with SCE23MNDX

	Conf. 1
Motor configuration	CSCR
Power supply (nominal)	220-240V/50Hz
Number of phases	1
Voltage range	198-254V
Approvals	VDE, CCC, CB
Starting torque	HST
Note	Starter kit(relay), cover and cord relief are included and pre-assembled.

Applications with SCE23MNDX

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

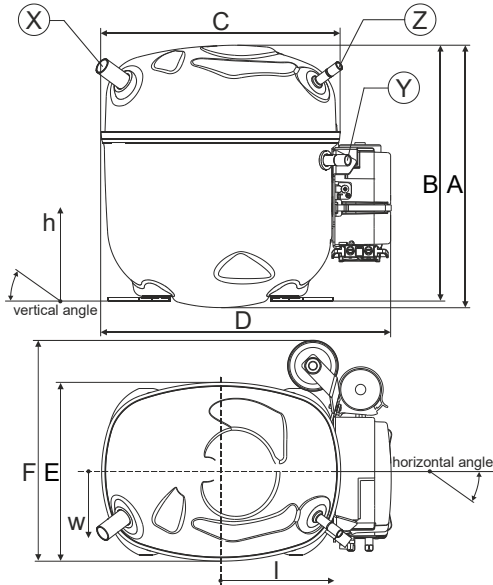
Electrical data - Configurations with SCE23MNDX

	Conf. 1
Starting device type	relay
Run capacitor	10μF
Start capacitor	60μF
LRA (locked rotor amps / 4s/ U(N))	27,1A
RLA (rated load amps / 1s/ U(N))	4,7A
Cut in current (U(N))	27,1A

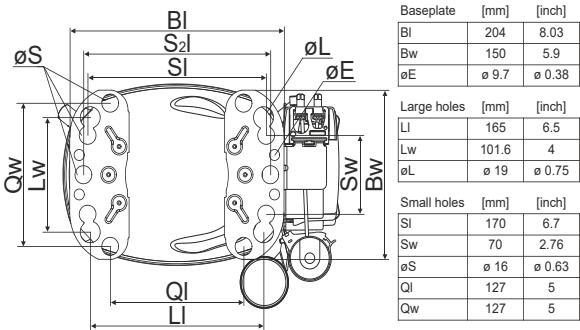
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Compressor dimensions

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 12,81-12,99	øi 8,11-8,29	øi 6,11-6,29
(i:inside, o:outside) [in]	øi 0,5-0,51	øi 0,32-0,33	øi 0,24-0,25
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

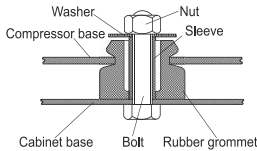


Compressor fixation

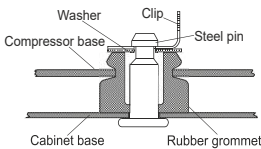


Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Bolt joint



Snap-on



Application notes

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

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Designation

SCE23MNDX

220-240V/50Hz

Conf. 1

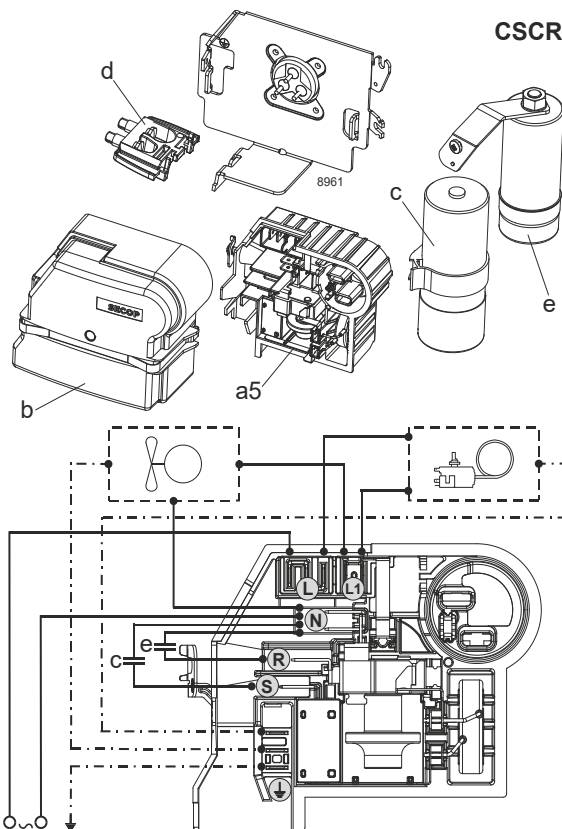
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	CCC
	CB

Electrical accessories / wiring diagram



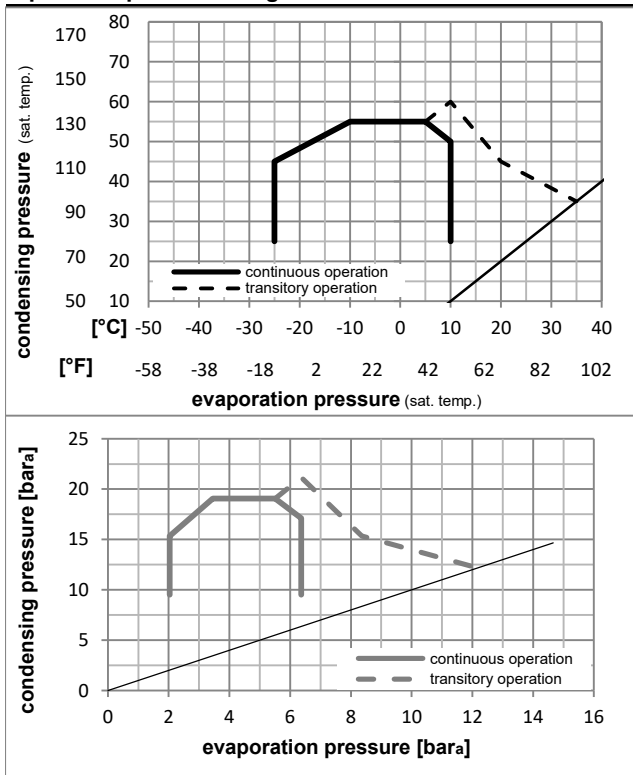
Ambient/ machine room temperatures minimum /maximum

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	117U8100
b	cover terminal board + clamp	117U1036
c	start capacitor (60µF)	117U5351
e	run capacitor (10µF, 6.3mm)	117-7166
e1	retaining clamp	117-0313
	screw M4x8mm	117-0301
d	cord relief	103N1007

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Optimization + standard conditions

R290, 220V/50Hz, CSCR, fan 3m/s, VDE, CCC, CB

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption			
											Current consumption			
											Ref. mass flow			