

Model

Designation	SCE18MNX	115V/60Hz 1~	Sales code:	104H7879
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cSt	Displacement	17,68cm ³ / 1,08cu.in
Oil quantity	550cm ³ / 18,6fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	450g / 15,9oz		
Free gas volume comp.	1460cm ³ / 49,4fl.oz		
Weight	14,2kg / 31,3lbs		
Motor protection	external		
Winding resistance main	0,7Ω (at 25°C)		
Winding resistance aux	2,81Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	135°C / 275°F		



General - Configurations with SCE18MNX

	Conf. 1	Conf. 2
Motor configuration	CSCR	CSIR
Power supply (nominal)	115V/60Hz	115V/60Hz
Number of phases	1	1
Voltage range	103-127V	103-127V
Approvals	UL, EAC	UL, EAC
Starting torque	HST	HST
Note	Protector and cover are included and pre-assembled to compressor.	

Applications with SCE18MNX

	Conf. 1	Conf. 2
Refrigerant	R290	R290
Application	MBP	MBP
System cooling	fan 3m/s	fan 3m/s
Hot gas defrost	OK	OK
Long interval pull down	OK	OK

Electrical data - Configurations with SCE18MNX

	Conf. 1	Conf. 2
Starting device type	relay	relay
Run capacitor	23,5μF	-/-
Start capacitor	410μF	410μF
LRA (locked rotor amps / 4s/ U(N))	56,6A	55,9A
RLA (rated load amps / 1s/ U(N))	8,98A	9,87A
Cut in current (U(N))	56,6A	55,9A

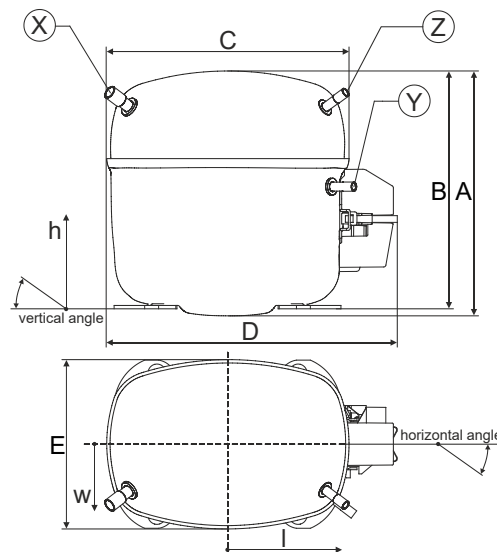
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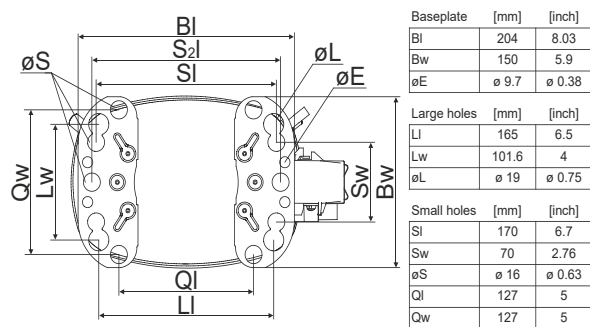
Compressor dimensions

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

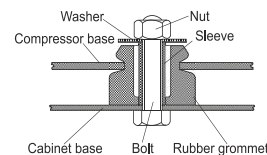
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 9,54-9,72	øi 6,41-6,59	øi 6,41-6,59
(i:inside, o:outside) [in]	øi 0,38-0,38	øi 0,25-0,26	øi 0,25-0,26
Material	copper	copper	copper
Horizontal angle	±2° 37°	37°	143°
Vertical angle	±2° 30°	0°	150°
Position l/h/w [mm]	107/193/55	115/110/63	-107/193/55
	[in] 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
	[in] 0,5	0,5	0,5



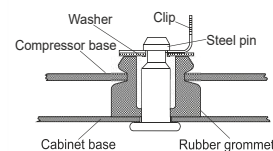
Compressor fixation



Bolt joint



Snap-on



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

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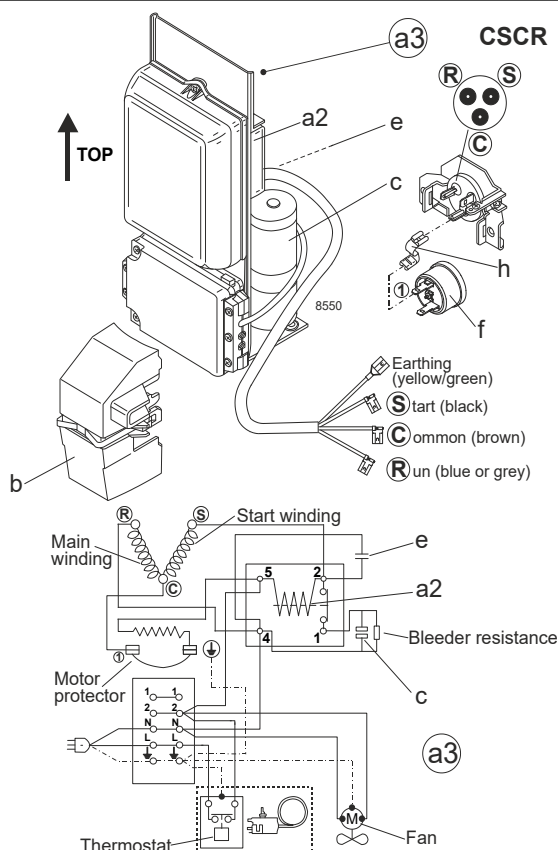
Configuration

Motor configuration	CSCR
Power supply (nominal)	115V/60Hz 1~
Refrigerant	R290
Application	MBP
Voltage range	103-127V
Starting torque	HST
Approvals	UL
	EAC

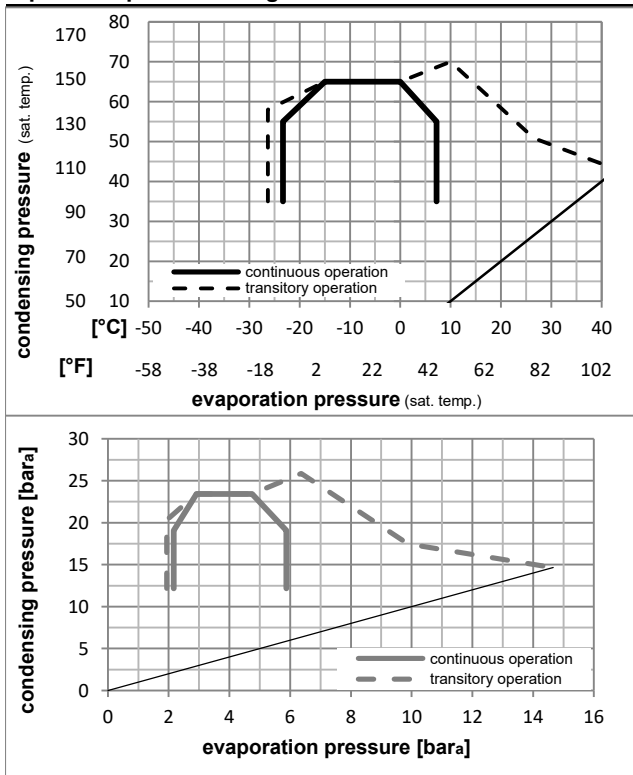
Electrical accessories / wiring diagram

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 (protector (f)+ holder (h)+ cover (b): incl. and pre assembl.)

a3	SC starter kit (600mm)	117-7805
h	protector holder	117U0439
f	ext. protector (T0803)	117U3220
b	plastic cover + clamp	117U1021

Alternative comp.

a3	SC starter kit (600mm)	117-7823
a2	potential relay (RVA 7AB3R A39)	117-7443
e	run capacitor (23,5µF, 6.3mm)	117-7133
c	start capacitor (410µF, 6.3mm)	117U5379

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Optimization + standard conditions

R290, 115V/60Hz, CSCR, fan 3m/s, UL, EAC

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)					Power consumption				

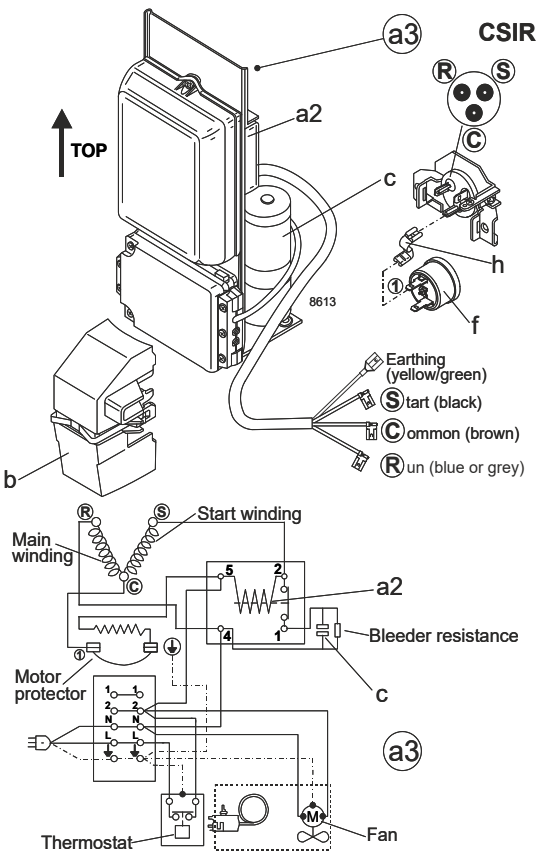
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Configuration

Motor configuration	CSIR
Power supply (nominal)	115V/60Hz 1~
Refrigerant	R290
Application	MBP
Voltage range	103-127V
Starting torque	HST
Approvals	UL
	EAC

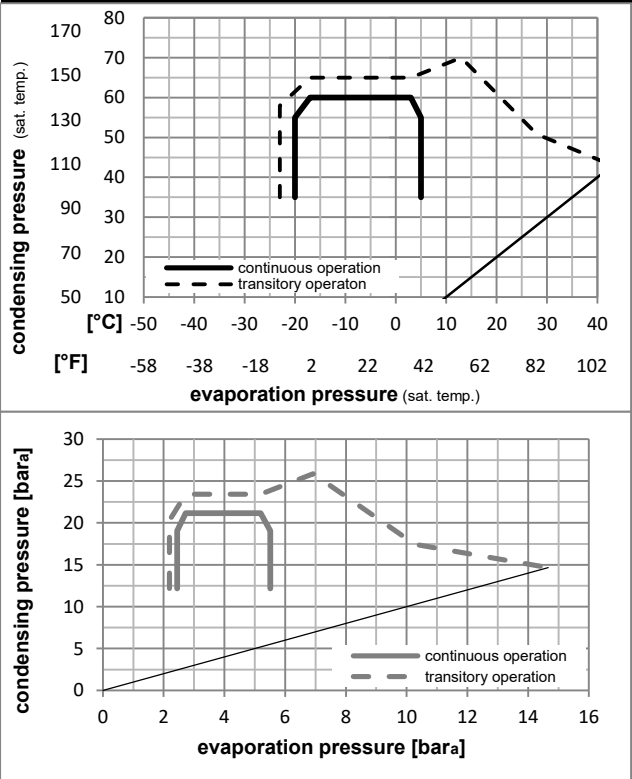
Electrical accessories / wiring diagram



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 (protector (f)+ holder (h)+ cover (b): incl. and pre assembl.)

a3	SC starter kit (600mm)	117-7803
h	protector holder	117U0439
f	ext. protector (T0803)	117U3220
b	plastic cover + clamp	117U1021

Alternative comp.

a2	potential relay (RVA 7AB3R A39)	117-7443
c	start capacitor (410µF, 6.3mm)	117U5379

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Optimization + standard conditions

R290, 115V/60Hz, CSIR, fan 3m/s, UL, EAC

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)					Power consumption				