

Model

Designation	SC15MLX	115V/60Hz 1~	Sales code:	104L1805
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R404A, R507
Oil viscosity	32cSt	Displacement	15,28cm ³ / 0,93cu.in
Oil quantity	550cm ³ / 18,6fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	1300g / 45,9oz		
Free gas volume comp.	1460cm ³ / 49,4fl.oz		
Weight	14,2kg / 31,3lbs		
Motor protection	external		
Winding resistance main	0,6Ω (at 25°C)		
Winding resistance aux	2,6Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with SC15MLX

	Conf. 1	Conf. 2
Motor configuration	CSIR	CSCR
Power supply (nominal)	115V/60Hz	115V/60Hz
Number of phases	1	1
Voltage range	103-135V	95-135V
Approvals	UL	UL
Starting torque	HST	HST
Note	Protector and cover are included and pre-assembled to compressor.	

Applications with SC15MLX

	Conf. 1	Conf. 2
Refrigerant	R404A	R404A
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 SC15MLX

	Conf. 1	Conf. 2
Starting device type	relay	relay
Run capacitor	-/-	23,5μF
Start capacitor	410μF	410μF
LRA (locked rotor amps / 4s/ U(N))	68A	69A
RLA (rated load amps / 1s/ U(N))	14A	13A
Cut in current (U(N))	68A	69A

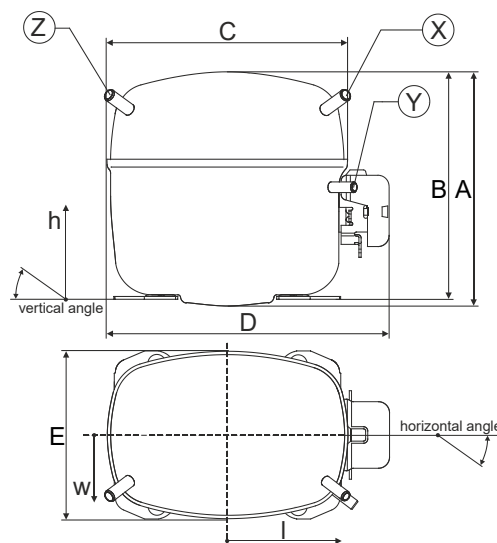
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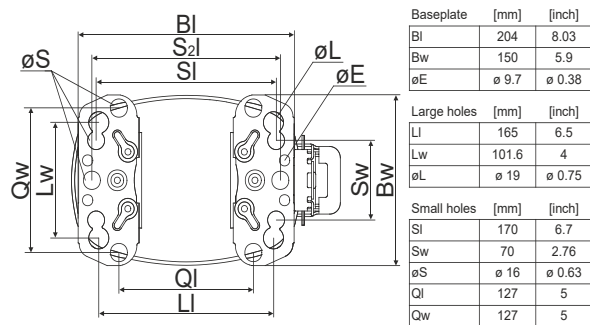
Compressor dimensions

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

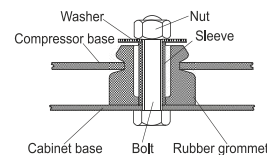


Compressor fixation

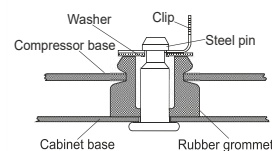


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	150	5.9
øE	ø 9.7	ø 0.38
Large holes	[mm]	[inch]
LI	165	6.5
Lw	101.6	4
øL	ø 19	ø 0.75
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
øS	ø 16	ø 0.63
QI	127	5
Qw	127	5

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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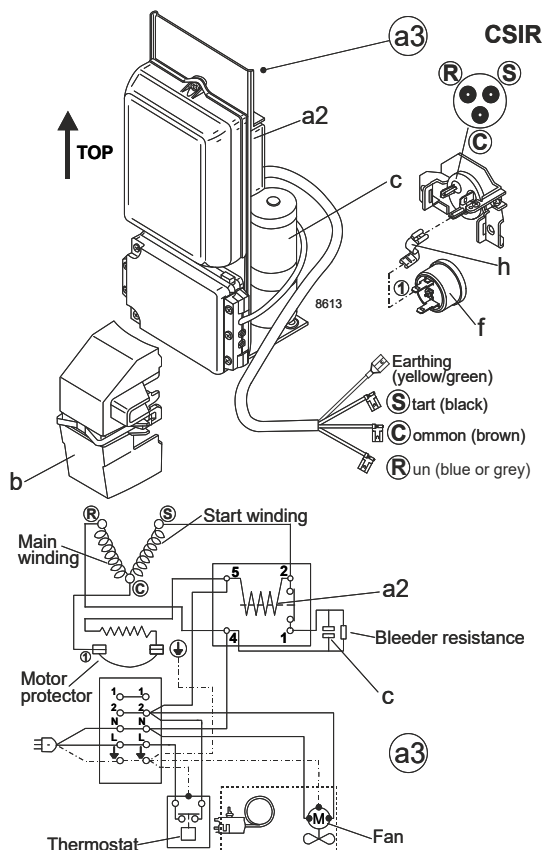
Configuration

Motor configuration	CSIR
Power supply (nominal)	115V/60Hz 1~
Refrigerant	R404A
Application	MBP
Voltage range	103-135V
Starting torque	HST
Approvals	UL

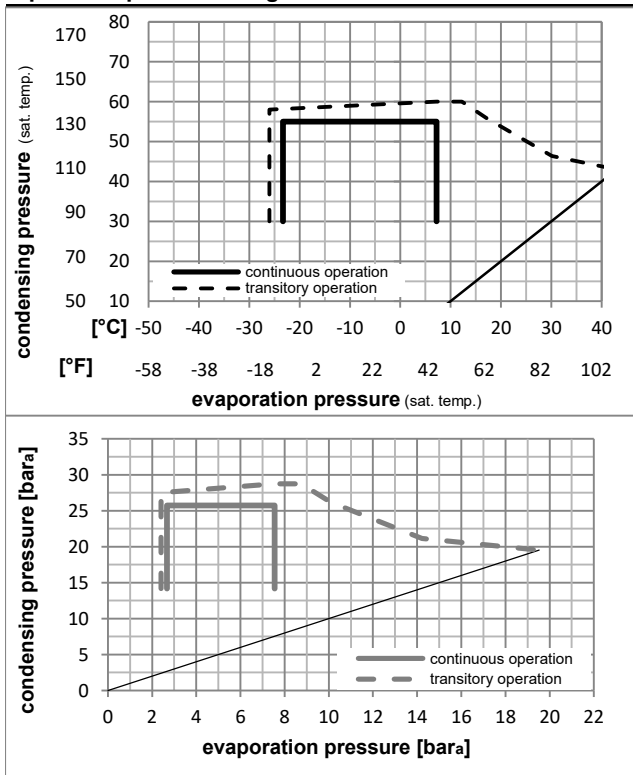
Electrical accessories / wiring diagram

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	117-7053
f	ext. protector (T0777/46)	117U3188
b	plastic cover + clamp	117U1021

Alternative comp.

a2	potential relay (RVA 7AA3R)	117-7441
c	start capacitor (410µF, 6.3mm)	117U5042
b	plastic cover + clamp	117U1021

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Optimization + standard conditions

R404A, 115V/60Hz, CSIR, fan 3m/s, UL

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

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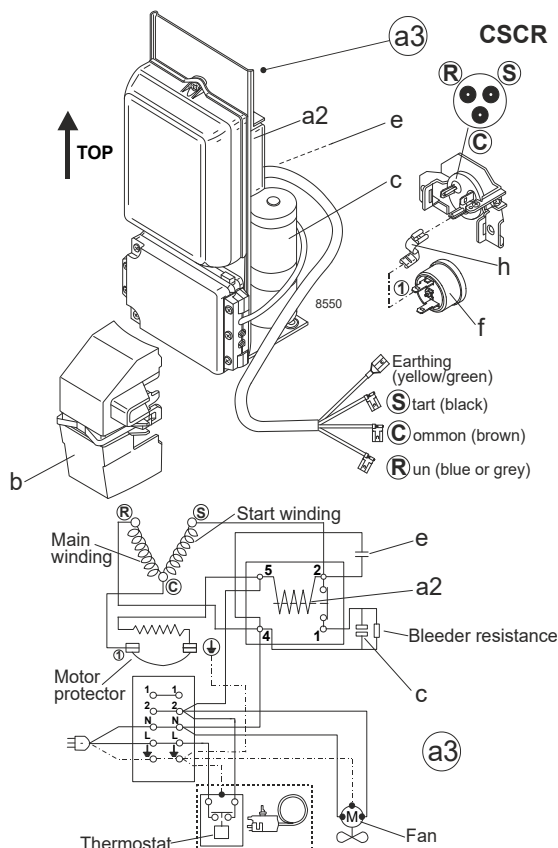
Configuration

Motor configuration	CSCR
Power supply (nominal)	115V/60Hz 1~
Refrigerant	R404A
Application	MBP
Voltage range	95-135V
Starting torque	HST
Approvals	UL

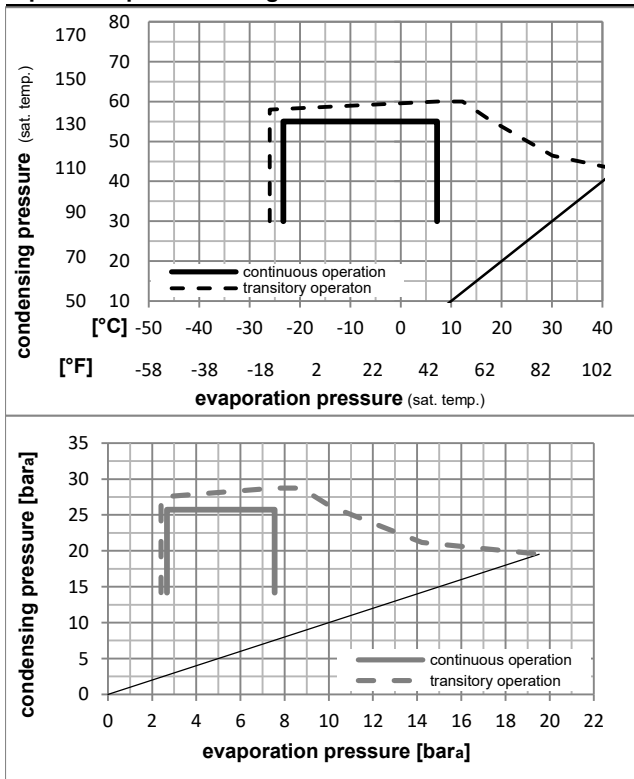
Electrical accessories / wiring diagram

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	117-7045
f	ext. protector (T0777/46)	117U3188
h	protector holder	117U0439
b	plastic cover + clamp	117U1021

Alternative comp.

a2	potential relay (RVA 7AA3R)	117-7441
f	ext. protector (T0777/46)	117U3188
h	protector holder	117U0439
c	start capacitor (410μF, 6.3mm)	117U5043
e	run capacitor (23,5μF, 6.3mm)	117-7114
b	plastic cover + clamp	117U1021

Model

Designation **SC15MLX** **115V/60Hz** Conf. 2 Sales code: **104L1805**

Optimization + standard conditions

R404A, 115V/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			
											I			
											ṁ			