Single
Packs

Single Pack SCE18CNLX 208-230V 60Hz CSIR

Single pack code number: **195B4848**

Position	Title	Code	Amount
1	Compressor SCE18CNLX	104H8888	1
2	Starting capacitor (60µF 260V, 6.3mm)	117U5076	1
3	Bolt joint for one compressor | M6 | ø16mm	118-1917	1
Below electrical equipment is pre-assembled on the compressor:			
4	Starting relay (overload protector MRP59EN-6)	117U7413	1
5	Cover	117U1021	1

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型号

SCE18CNLX

采购代码:

104H8888

压缩机数据

制冷剂	**R290**
制冷剂最大充注量	**450g / 15.87oz**
重量	**14.20 kg / 31.31lbs**
排气量	**17.69 cm3 / 1.08cu.in**
每托盘压缩机数量	**80**



基本信息 SCE18CNLX

–	**Conf. 1**
启动方式	CSIR
供电电源 (标称)	208-230 V/60 Hz
电机相数	1
电压范围	187-253 V
认证	UL, KC, CB
启动力矩	HST
制冷剂	R290
应用	LBP
热气除霜	OK

应用说明

- 保护器、继电器和线盖均包含在内并已预装在压缩机上
- 保护接地（PE）端子位于压缩机上的 PE 冲压标记处

型号

SCE18CNLX

采购代码:

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设计信息

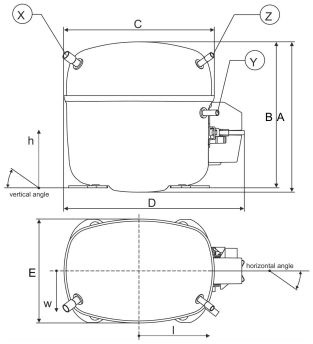
润滑油类型	**POE**	主绕组阻值	**3.5 Ohm**
润滑油黏度	**32cSt**	辅绕组阻值	**20.7 Ohm**
润滑油注油量	**550 / 18.60fl.oz**	最高绕组温度	**125 °C**
壳体内自由空间容积	**1,460 cm3 / 49.37fl.oz**	最高排气温度	**140°C / 284°F**
保护器类型	**外置**		

尺寸信息

壳体

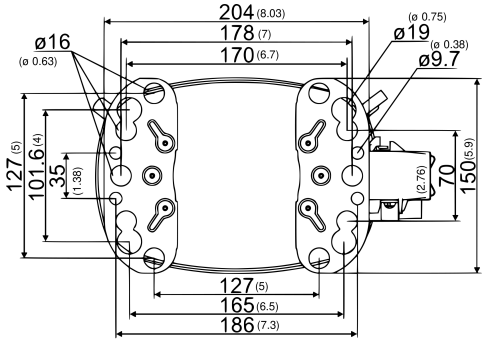
A 高度	**219mm / 8.62in**
B 高度	**213mm / 8.39in**
C 外壳长度	**218mm / 8.58in**
D 长度（含保护罩）	**255mm / 10.04in**
E 宽度	**151mm / 5.94in**

在此查找 3D 模型



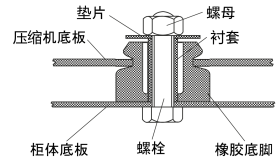
连接管	吸气管 X	排气管 Y	工艺管 Z
直径 [mm]	øi 9.54–9.72 / 0.38–0.38in	øi 6.41–6.59 / 0.25–0.26in	øi 6.41–6.59 / 0.25–0.26in
材料	CU	CU	CU
水平角度 ±2°	37°	37°	143°
垂直角度 ±2°	30°	0°	150°
位置 l/h/w [mm]	107/193/55 / 4.21/7.60/2.17in	115/110/63 / 4.53/4.33/2.48in	-107/193/55 / -4.21/7.60/2.17in
直管长度 [mm]	12 / 0.47in	12 / 0.47in	12 / 0.47in

安装附件

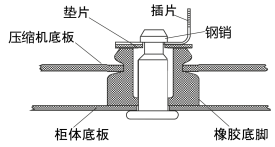


单位：mm [in]

螺栓式



插片式



	单台包装	批量包装
螺栓式 | M6 | ø16mm	118-1917	118-1918
螺栓式 | ø1/4" | ø16mm	118-1946	–
螺栓式 | ø1/4" | ø19mm	118-1949	–
插片式 | ø7,3 | ø16mm	118-1947	118-1919

型号

SCE18CNLX 配置 1

采购代码:

104H8888

配置

启动方式	**CSIR**
供电电源 (标称)	**208-230 V/60 Hz 1~**
制冷剂	**R290**
应用	**LBP**
电压范围	**187-253 V**
启动力矩	**HST**
认证	**UL, KC, CB**
启动器类型	**relay**
运行电容	**-/-**
启动电容	**60 µF**
堵转电流	**20.9 A**
额定运行电流	**3.8 A**
启动电流	**20.9 A**

环境/机舱温度

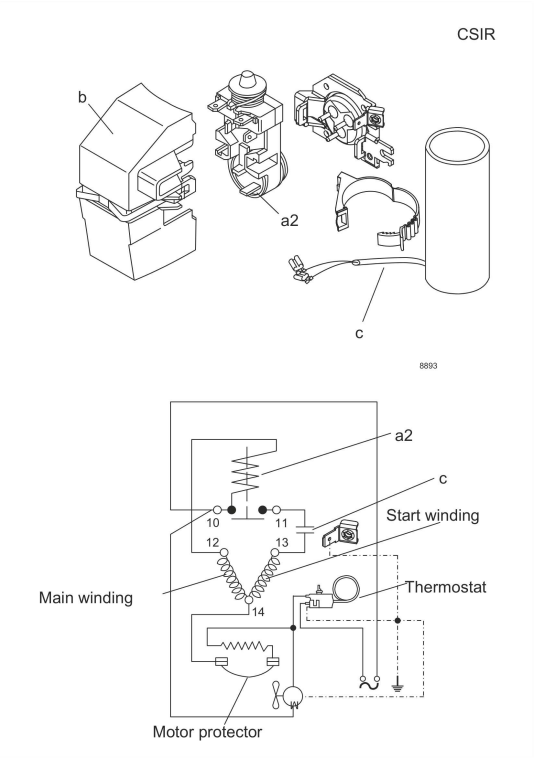
环境温度范围: 10 - 38°C / 50 - 100°F

机舱温度范围 压缩机: 10 - 43°C / 50 - 109°F

系统冷却条件

风冷 3m/s

电路图



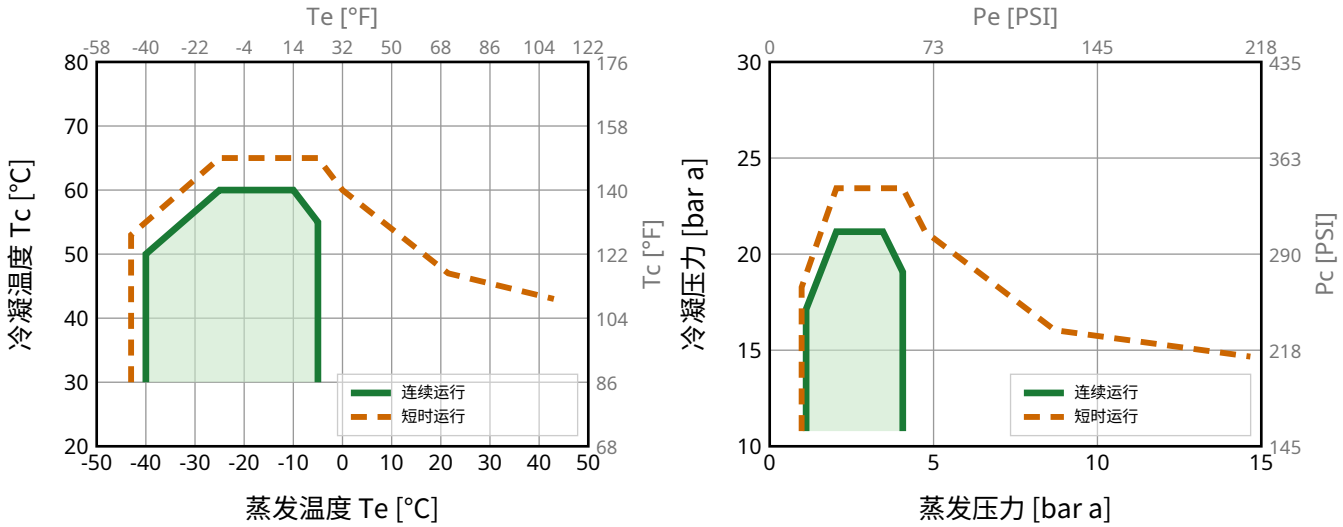
组件（继电器+护盖：已预装）

a2 继电器+外置保护器（T1120） 117U7413

c 启动电容（60µF，6.3mm，82kOhm） 117U5076

b 塑料保护罩+卡扣 117U1021

运行范围



型号 采购代码:

SCE18CNLX 配置 1 **104H8888**

标准工况下性能参数

R290, 230 V/60 Hz, CSIR, 风冷 3m/s

pe	pc	RGT	Tliq	制冷量			COP	EER	P	I	ṁ	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	**943**	3218	811	**1.51**	5.15	625	3.46	9.58	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**694**	2367	597	**1.16**	3.97	596	3.34	8.70	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**523**	1784	450	**1.15**	3.93	454	2.85	6.00	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**782**	2666	672	**1.27**	4.35	613	3.39	10.85	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**1061**	3620	913	**1.79**	6.10	593	3.29	10.78	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**481**	1640	413	**1.07**	3.64	451	2.83	5.42	**opt LBP**

性能参数表

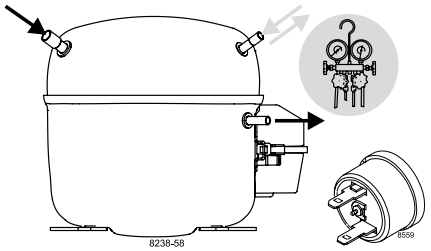
R290, 230 V/60 Hz, CSIR, 风冷 3m/s

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-40	-40	**325**	1109	280	**0.84**	2.88	385	2.65	3.65
-35	-31	**481**	1640	413	**1.07**	3.64	451	2.83	5.42
-30	-22	**654**	2230	562	**1.26**	4.31	518	3.04	7.38
-25	-13	**848**	2893	729	**1.45**	4.95	585	3.27	9.61
-20	-4	**1069**	3646	919	**1.65**	5.61	650	3.52	12.16
-15	5	**1320**	4505	1135	**1.86**	6.33	711	3.77	15.08
-10	14	**1607**	5484	1382	**2.09**	7.14	768	4.00	18.45
-5	23	**1934**	6600	1663	**2.37**	8.07	818	4.22	22.34

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-40	-40	**203**	692	174	**0.65**	2.21	313	2.35	2.52
-35	-31	**353**	1204	304	**0.87**	2.96	407	2.65	4.40
-30	-22	**515**	1758	443	**1.03**	3.50	502	2.98	6.43
-25	-13	**694**	2367	597	**1.16**	3.97	596	3.34	8.70
-20	-4	**894**	3050	769	**1.30**	4.44	688	3.71	11.25
-15	5	**1120**	3820	963	**1.45**	4.93	775	4.07	14.16
-10	14	**1376**	4694	1183	**1.61**	5.48	857	4.42	17.50
-5	23	**1667**	5688	1434	**1.79**	6.10	932	4.74	21.34



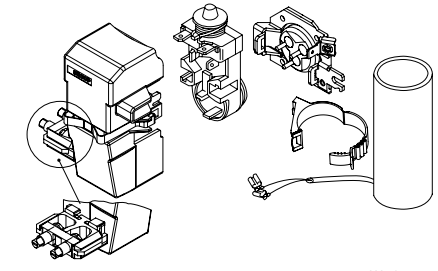
SCE Compressors
(External Protector)

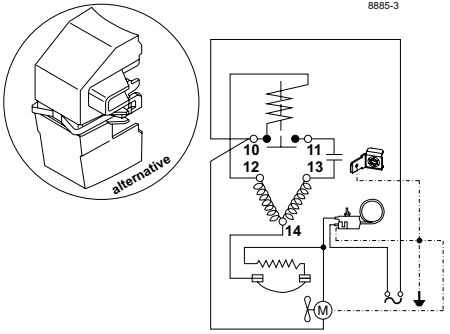
SECOP

Keep electrical equipment clear from <u>oil, chemicals, and water</u>

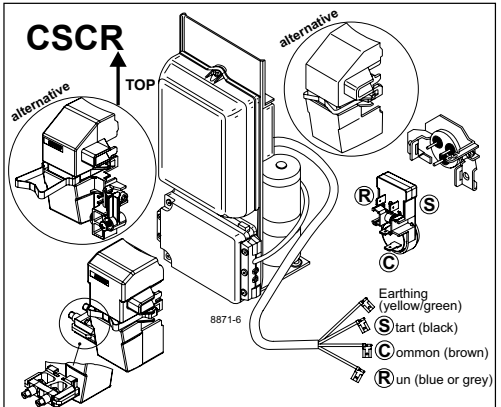
When operated with a <u>flammable refrigerant,</u> only <u>spark-proof starting equipment</u> is allowed.

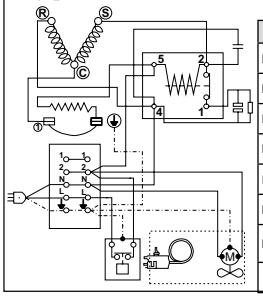
CSIR





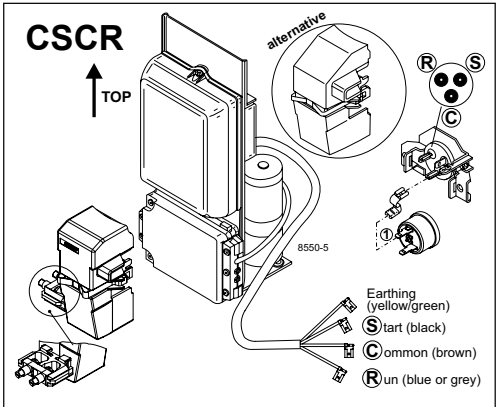
CSCR

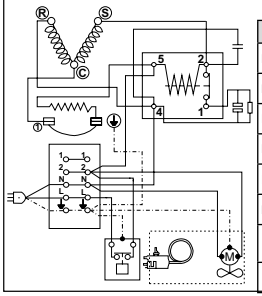




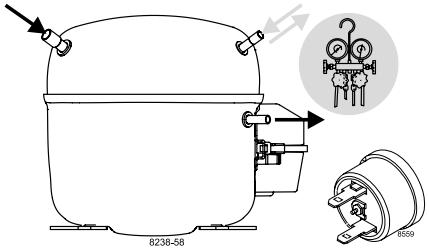
	S	C	R
ENGLISH	Black	Brown	Blue or grey
DEUTSCH	Schwarz	Braun	Blau od. grau
FRANÇAIS	Noir	Marron	Bleu ou gris
ESPAÑOL	Negro	Marrón	Azul o gris
ITALIANO	Nero	Marrone	Blu o grigio
NEDERLANDS	Zwart	Bruin	Blauw of grijs
РУССКИЙ	Чёрный	Корич-невый	Синий или серый
中文	黑色	棕色	蓝色或灰色

CSCR





	S	C	R
ENGLISH	Black	Brown	Blue or grey
DEUTSCH	Schwarz	Braun	Blau od. grau
FRANÇAIS	Noir	Marron	Bleu ou gris
ESPAÑOL	Negro	Marrón	Azul o gris
ITALIANO	Nero	Marrone	Blu o grigio
NEDERLANDS	Zwart	Bruin	Blauw of grijs
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中文	黑色	棕色	蓝色或灰色



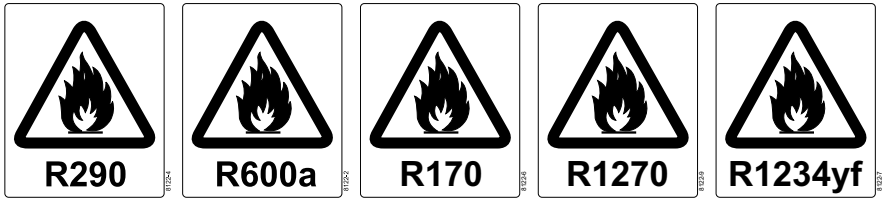
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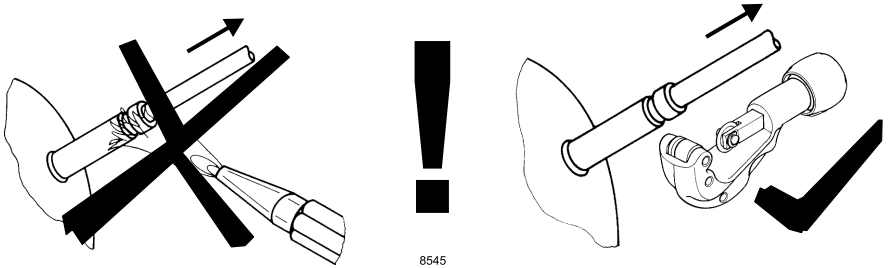
SECOP

Keep electrical equipment clear from oil, chemicals, and water

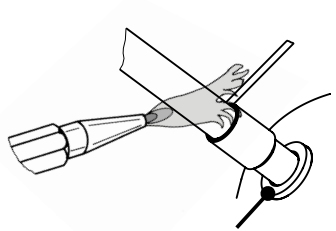
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

Service/Repair – R290, R600a, R170, R1270, R1234yf
(applies to all flammable refrigerants)





Brazing on Suction Connectors (Direct Intake)



! max. 350°C/662°F !
at socket

brazing solder: phosphor (LP7) or silver

Refer to Product Bulletin:
Brazing on Suction Connectors
(SCE Compressors with Direct Suction Intake)

Dismantling, recycling, disposal: At the end of a compressor's lifecycle, proceed by separating and storing components according to their environmental impact. Parts that may cause pollution must be clearly identified and handled separately, ensuring appropriate disposal. Refrigerant gas must not be released into the environment and should be recovered by qualified operators. Compressor oil must also be collected separately. The compressor should be disposed of at specialized disposal centers in accordance with the applicable regulations. **Subject to modifications/alterations. www.secop.com**