Single
Packs

Single Pack SCE23MNDX 220-240V 50Hz CSCR

Single pack code number: **195B4842**

Position	Title	Code	Amount
1	Compressor SCE23MNDX	104H8300	1
2	Starting capacitor (60µF 260V, 6.3mm)	117U5351	1
3	Run Capacitor (10µF 450V, 6.3mm)	117-7166	1
4	Run capacitor bracket	117-0313	1
5	Screw for bracket M4x8mm	117-0301	1
6	Snap-on in quantities | ø7,3 | ø16mm	118-1919	1

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型号
SCE23MNDX

采购代码:
104H8300

压缩机数据

制冷剂	**R290**
制冷剂最大充注量	**500g / 17.64oz**
重量	**14.90 kg / 32.85lbs**
排气量	**23.00 cm3 / 1.40cu.in**
每托盘压缩机数量	**48**



基本信息 SCE23MNDX

–	**Conf. 1**
启动方式	CSCR
供电电源 (标称)	220-240 V/50 Hz
电机相数	1
电压范围	198-254 V
认证	VDE, CCC, CB
启动力矩	HST
制冷剂	R290
应用	MBP
热气除霜	OK
长时间高负荷运行	OK

应用说明

- 启动套件（继电器）、线盖和电缆卡扣均包含在内并已预装
- 保护接地（PE）端子位于压缩机上的 PE 冲压标记处

型号
SCE23MNDX

采购代码:
104H8300

设计信息

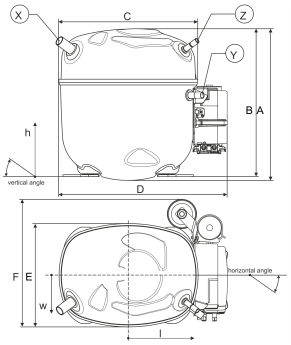
润滑油类型	**POE**	主绕组阻值	**2.8 Ohm**
润滑油黏度	**32cSt**	辅绕组阻值	**10.9 Ohm**
润滑油注油量	**500 / 16.91fl.oz**	最高绕组温度	**125 °C**
壳体内自由空间容积	**3,150 cm3 / 106.51fl.oz**	最高排气温度	**140°C / 284°F**
保护器类型	**内置**		

尺寸信息

壳体

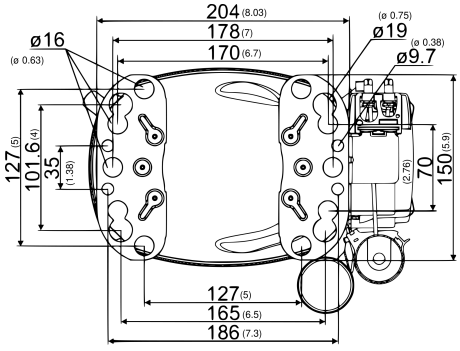
A 高度	**236.4mm / 9.31in**
B 高度	**230.6mm / 9.08in**
C 外壳长度	**217mm / 8.54in**
D 长度（含保护罩）	**263.4mm / 10.37in**
E 宽度	**161.1mm / 6.34in**

在此查找 3D 模型



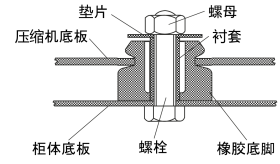
连接管	吸气管 X	排气管 Y	工艺管 Z
直径 [mm]	øi 12.81–12.99 / 0.50–0.51in	øi 8.11–8.29 / 0.32–0.33in	øi 6.11–6.29 / 0.24–0.25in
材料	CU	CU	CU
水平角度 ±2°	37°	37°	37°
垂直角度 ±2°	36°	0°	36°
位置 l/h/w [mm]	-110.5/211.8/56.7 / -4.35/8.34/2.23in	115.5/127/81 / 4.55/5.00/3.19in	109.5/94.3/72 / 4.31/3.71/2.83in
直管长度 [mm]	12 / 0.47in	12 / 0.47in	12 / 0.47in

安装附件

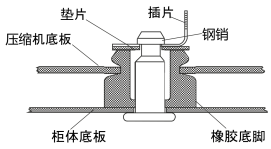


单位：mm [in]

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

SCE23MNDX 配置 1

采购代码:

104H8300

配置

启动方式	**CSCR**
供电电源 (标称)	**220-240 V/50 Hz 1~**
制冷剂	**R290**
应用	**MBP**
电压范围	**198-254 V**
启动力矩	**HST**
认证	**VDE, CCC, CB**
启动器类型	**relay**
运行电容	**10 µF**
启动电容	**60 µF**
堵转电流	**27.1 A**
额定运行电流	**4.7 A**
启动电流	**27.1 A**

环境/机舱温度

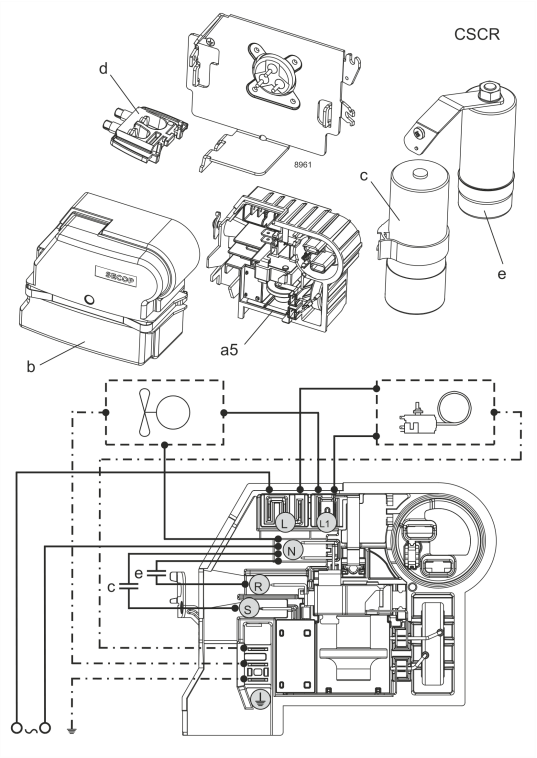
环境温度范围: 10 - 43°C / 50 - 109°F

机舱温度范围 压缩机: 10 - 48°C / 50 - 118°F

系统冷却条件

风冷 3m/s

电路图



View full size

组件（启动套件+护盖+线缆固定件：已预装）

a5 SC 启动套件 117U8100

c 启动电容（60µF） 117U5351

b 接线板护罩 + 管夹 117U1036

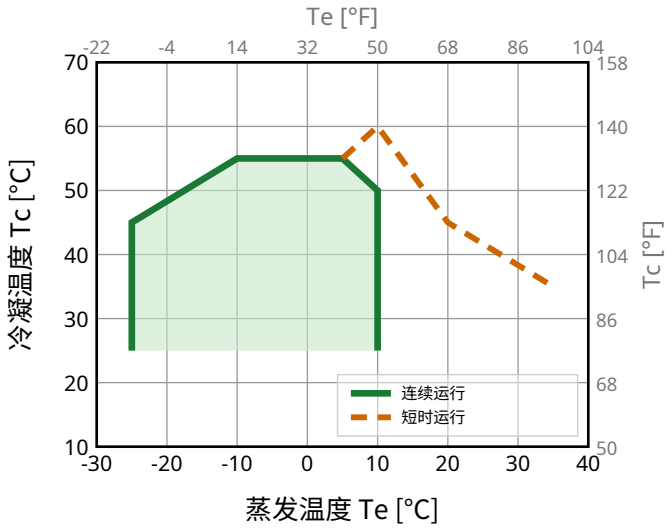
e 运行电容（10µF，6.3mm，c.length 280mm） 117-7166

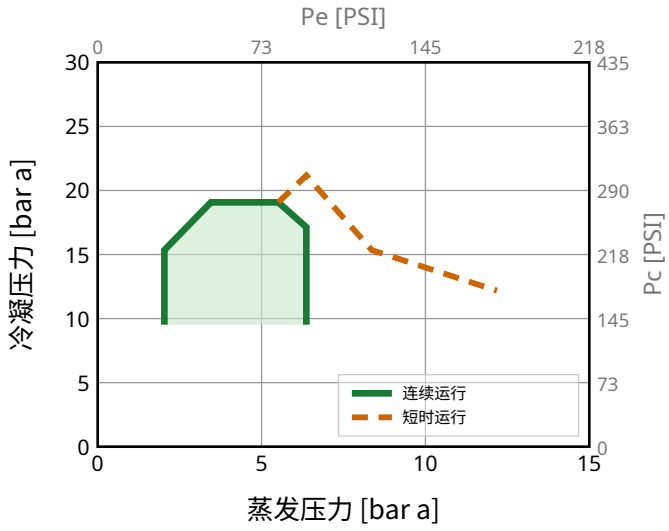
e1 固定夹 117-0313

螺丝 M4x8mm 117-0301

d 电缆卡扣 103N1007

运行范围





型号 采购代码:

SCE23MNDX 配置 1 **104H8300**

标准工况下性能参数

R290, 220 V/50 Hz, CSCR, 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]	
-6.7 20	54.4 129.9	35 95	46.1 115	**1911**	6521	1644	**2.09**	7.13	915	4.34	21.88	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**1523**	5196	1310	**1.74**	5.95	873	4.16	19.37	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**1703**	5811	1465	**2.14**	7.29	797	3.83	20.96	**EN12900 MBP**
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	**1804**	6156	1552	**2.09**	7.13	863	4.12	23.46	**ARI540 MBP**
-10 14	45 113	32 89.6	45 113	**1770**	6041	1523	**2.22**	7.58	797	3.83	20.33	**opt MBP 1**
-25 -13	45 113	32 89.6	45 113	**971**	3314	835	**1.59**	5.44	609	3.04	11.01	**opt MBP 2**

性能参数表

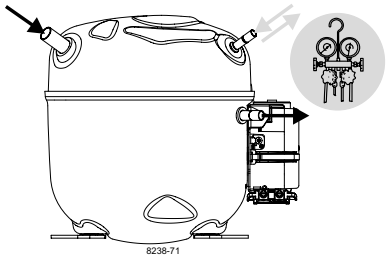
R290, 220 V/50 Hz, CSCR, 风冷 3m/s

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]
-25	-13	**971**	3314	835	**1.59**	5.44	609	3.04	11.01
-20	-4	**1208**	4120	1039	**1.79**	6.11	674	3.31	13.74
-15	5	**1471**	5019	1265	**2.00**	6.81	738	3.58	16.81
-10	14	**1770**	6041	1523	**2.22**	7.58	797	3.83	20.33
-5	23	**2115**	7216	1819	**2.49**	8.49	850	4.06	24.43
0	32	**2513**	8575	2161	**2.81**	9.58	895	4.26	29.22
5	41	**2974**	10148	2558	**3.20**	10.92	929	4.41	34.86
10	50	**3507**	11967	3016	**3.69**	12.58	951	4.51	41.48

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

-25	-13	**799**	2725	687	**1.25**	4.25	641	3.17	10.01
-20	-4	**1017**	3470	875	**1.41**	4.82	719	3.50	12.80
-15	5	**1255**	4283	1080	**1.57**	5.37	797	3.83	15.88
-10	14	**1523**	5196	1310	**1.74**	5.95	873	4.16	19.37
-5	23	**1828**	6239	1572	**1.94**	6.61	944	4.47	23.40
0	32	**2181**	7442	1876	**2.16**	7.38	1008	4.76	28.13
5	41	**2590**	8836	2227	**2.44**	8.31	1064	5.01	33.69
10	50	**3064**	10453	2635	**2.77**	9.44	1108	5.21	40.26



SCE & SCE Plus Compressors

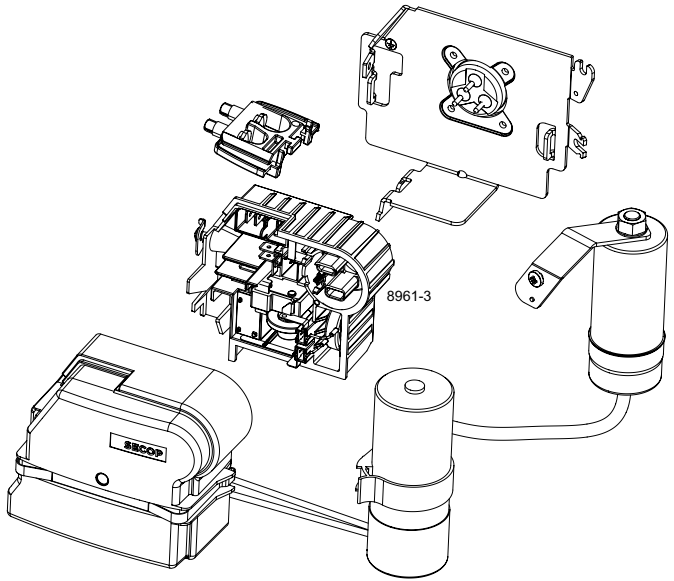
Optimized Electrical CSCR System

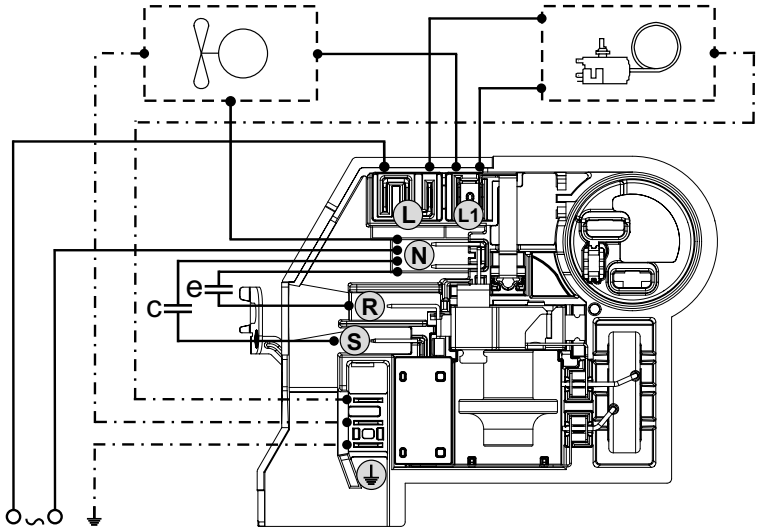
SECOP

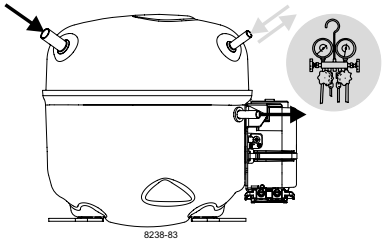
Keep electrical equipment clear from oil, chemicals, and water

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

CSCR







SCE & SCE Plus Compressors

Optimized Electrical CSCR System

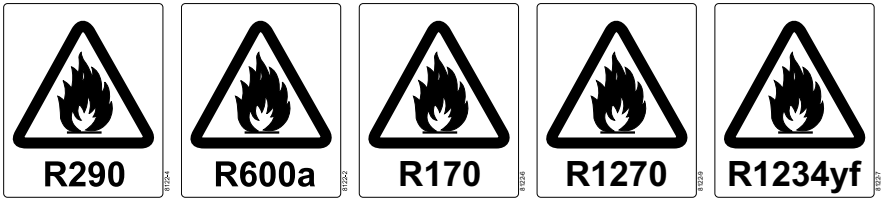
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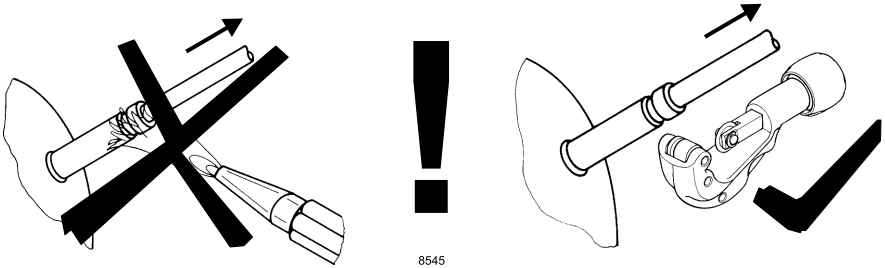
Keep electrical equipment clear from oil, chemicals, and water

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)





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**