Single
Packs

Single Pack KLF7.7CNDS 220-240V 50Hz CSIR

Single pack code number: **195B4844**

Position	Title	Code	Amount
1	Compressor KLF7.7CNDS	106H2803	1
2	Starting capacitor (80µF 220V, 6.3mm)	117U5001	1
3	Starting relay (QLZ-5.5A, overload protector T0377/L6)	117U7071	1
4	KL accessories	103N1060	1
5	Bolt joint for one compressor | M6 | ø16mm	118-1917	1

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型号

KLF7.7CNDS

采购代码:

106h2803

压缩机数据

制冷剂	**R290**
制冷剂最大充注量	**200g / 7.05oz**
重量	**9.60 kg / 21.16lbs**
排气量	**7.70 cm3 / 0.47cu.in**
每托盘压缩机数量	**100**



基本信息 KLF7.7CNDS

–	**Conf. 1**
启动方式	CSIR
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
启动力矩	HST
制冷剂	R290
应用	LBP+MBP
热气除霜	OK
长时间高负荷运行	OK

应用说明

- 保护接地（PE）端子位于压缩机上的 PE 冲压标记处
- 具有非常好的耐液击能力
- 针对制冰机应用优化 — 非直吸结构

型号

KLF7.7CNDS

采购代码:

106h2803

设计信息

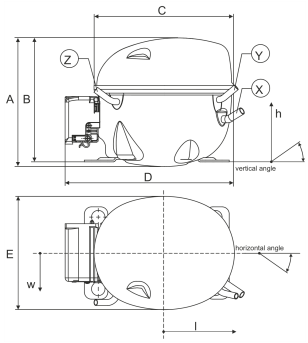
润滑油类型	**POE**	主绕组阻值	**8.4 Ohm**
润滑油黏度	**9,7cSt**	辅绕组阻值	**11.9 Ohm**
润滑油注油量	**165 / 5.58fl.oz**	最高绕组温度	**125 °C**
壳体内自由空间容积	**1,575 cm3 / 53.26fl.oz**	最高排气温度	**130°C / 266°F**
保护器类型	**外置**		

尺寸信息

壳体

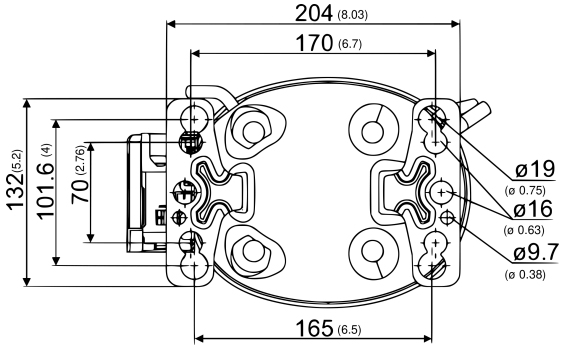
A 高度	**182mm / 7.17in**
B 高度	**175mm / 6.89in**
C 外壳长度	**198mm / 7.80in**
D 长度（含保护罩）	**238mm / 9.37in**
E 宽度	**160mm / 6.30in**

在此查找 3D 模型



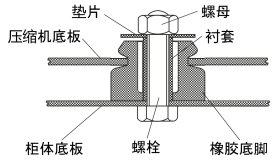
连接管	吸气管 X	排气管 Y	工艺管 Z
直径 [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.11–6.29 / 0.24–0.25in	øi 6.11–6.29 / 0.24–0.25in
材料	CU	CU	CU
水平角度 ±2°	35°	13°	0°
垂直角度 ±2°	30°	40°	145°
位置 l/h/w [mm]	119/73/59 / 4.69/2.87/2.32in	117/107/66 / 4.61/4.21/2.60in	-88/101/71 / -3.46/3.98/2.80in
直管长度 [mm]	13.5 / 0.53in	13.5 / 0.53in	13.5 / 0.53in

安装附件

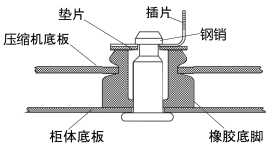


单位：mm [in]

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

KLF7.7CNDS 配置 1

采购代码:

106h2803

配置

启动方式	**CSIR**
供电电源 (标称)	**220-240 V/50 Hz 1~**
制冷剂	**R290**
应用	**LBP+MBP**
电压范围	**198-254 V**
启动力矩	**HST**
认证	**VDE, CCC**
启动器类型	**relay**
运行电容	**-/-**
启动电容	**80 µF**
堵转电流	**13.2 A**
额定运行电流	**2.1 A**
启动电流	**12.3 A**

环境/机舱温度

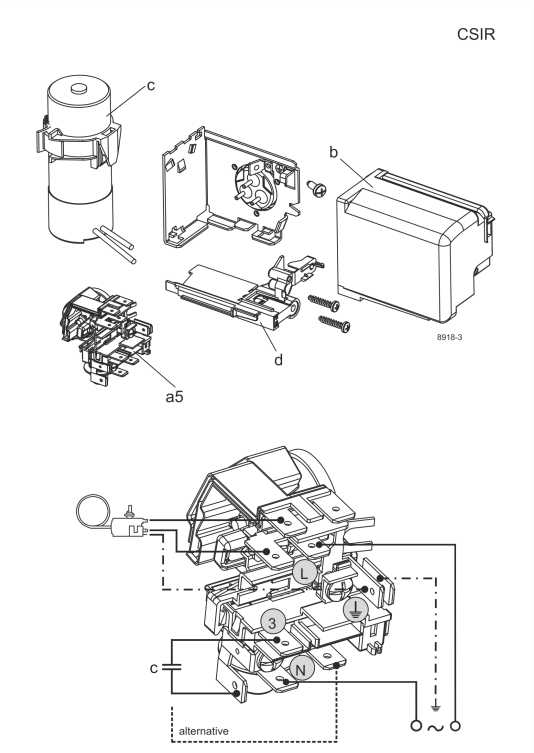
环境温度范围: 10 - 43°C / 50 - 109°F

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

压缩机附件

a5 电流继电器（T0377/L6-S1） 117U7071

c 启动电容（80µF，6.3mm） 117U5001

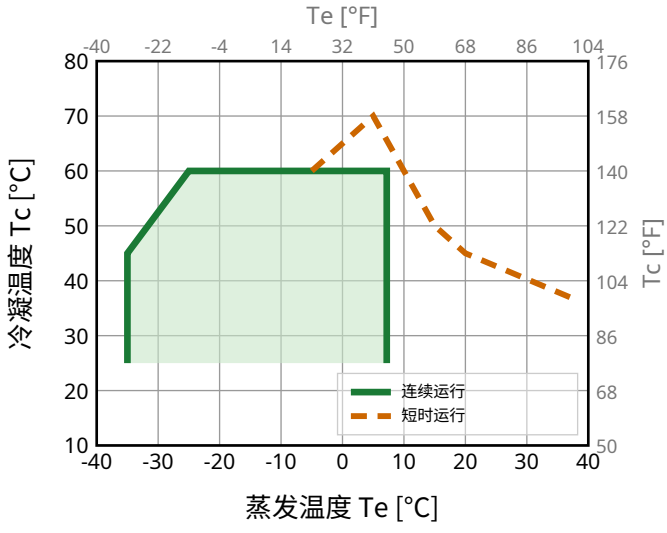
b, d 线盖 + 管夹 + 螺丝（5VA-compl.） 103N0600

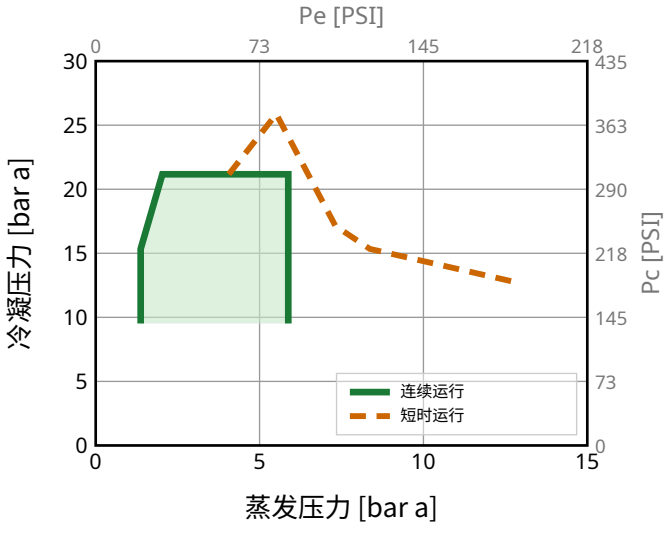
可选组件

b, d 100x 线盖 + 管夹 + 螺丝（5VA） 103N2060

b, d 线盖 + 管夹 + 螺丝（5VA）袋装 103N1060

运行范围





型号 采购代码:

KLF7.7CNDS 配置 1 **106h2803**

标准工况下性能参数

R290, 220 V/50 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	**373**	1273	321	**1.49**	5.07	251	1.66	3.79	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**278**	947	239	**1.15**	3.91	242	1.64	3.48	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**215**	733	185	**1.18**	4.01	183	1.47	2.47	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**663**	2264	571	**1.96**	6.67	339	1.97	7.59	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**528**	1802	454	**1.63**	5.56	324	1.91	6.71	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**588**	2006	506	**1.98**	6.76	297	1.81	7.24	**EN12900 MBP**

性能参数表

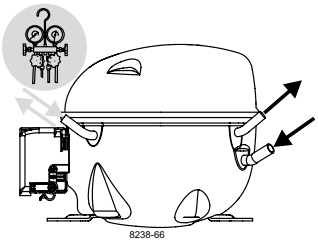
R290, 220 V/50 Hz, CSIR, 风冷 3m/s

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]
-35	-31	**203**	692	174	**1.08**	3.70	187	1.48	2.28
-30	-22	**261**	890	224	**1.24**	4.24	210	1.54	2.95
-20	-4	**411**	1402	353	**1.62**	5.53	254	1.67	4.68
-10	14	**611**	2086	526	**2.06**	7.03	297	1.81	7.02
0	32	**867**	2958	746	**2.56**	8.74	338	1.97	10.08
7.2	45	**1088**	3713	936	**2.96**	10.11	367	2.08	12.80

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

-35	-31	**165**	562	142	**0.90**	3.05	184	1.48	2.05
-30	-22	**216**	737	186	**1.01**	3.46	213	1.55	2.70
-20	-4	**350**	1192	301	**1.29**	4.42	270	1.73	4.40
-10	14	**528**	1802	454	**1.63**	5.56	324	1.91	6.71
0	32	**757**	2583	651	**2.02**	6.89	375	2.11	9.76
7.2	45	**956**	3262	822	**2.33**	7.95	410	2.25	12.49



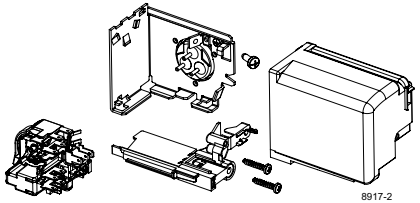
KL Compressors

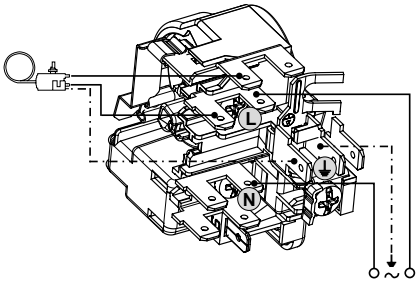
SECOP

Keep electrical equipment clear from oil, chemicals, and water

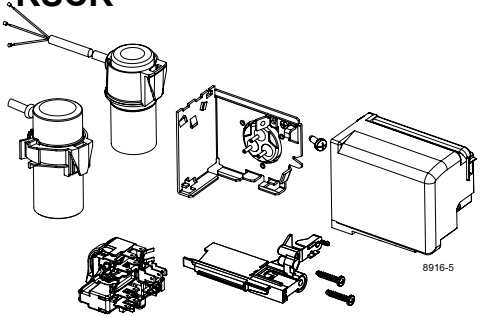
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

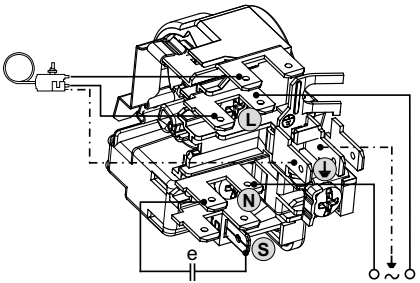
RSIR



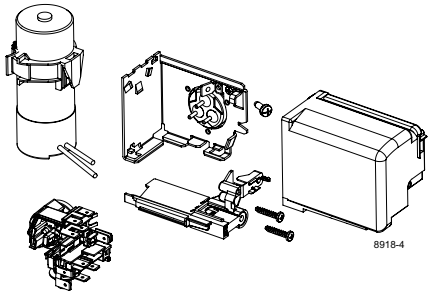


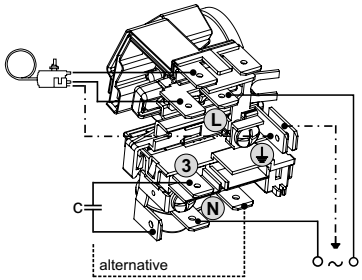
RSCR

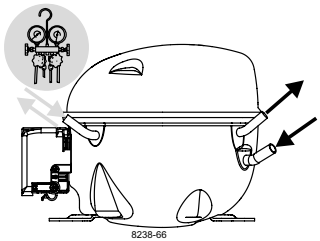




CSIR







KL Compressors

SECOP

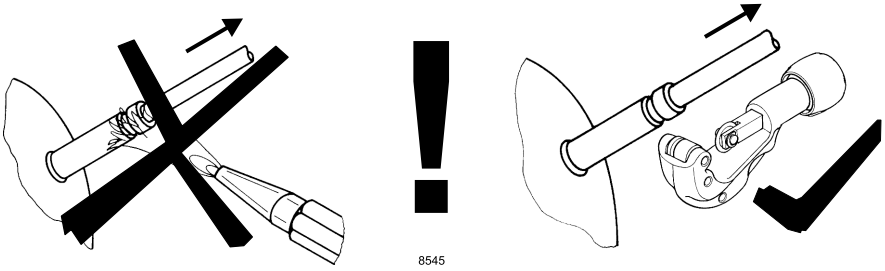
Keep electrical equipment clear from oil, chemicals, and water

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)





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**