



Tecumseh



MASTERFLUX®

变速直流压缩机



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泰康公司的Masterflux变速直流压缩机及机组的制冷量范围较广,可应用于各种不同制冷解决方案.

如果您现在需要一款紧凑,大功率,节能并且轻便的变速直流压缩机, Masterflux便可满足您的需求.

这款压缩机不仅可用于传统行业,更可以应用于一些特殊领域.



特点和优点

SIERRA 系列压缩机

- 高效, 制冷量范围广, 采用BLDC无刷直流电机
- 理想、强健的转子设计结构使之更加适用于移动设施及运输领域
- 制冷量范围为 114-4,400W (400-15,000 Btu/h)

CASCADE 系列压缩机

- 适用于移动设备的理想低背压压缩机
- 高温机型可用于电信行业
- 拥有12/24V双电制
- 另外还有24V 及 48V的型号
- 集成控制器



应用介绍

重型卡车

随着当今社会对于排放标准的日益提高，相关立法的出台，及不容忽视的原油价格上涨，停车时关闭发动机以减少能耗是必须的选择。Masterflux是一款可以用直流电驱动，不需要引擎只通过电池供电即可工作的压缩机。其质量轻巧，并且可以使用12V或24V供电的性能能够轻松帮您解决关闭引擎时车厢内的制冷问题。

汽车

同样，汽车日后的发展方向也将是使用直流压缩机。而今天Masterflux就可以为您提供“未来”的解决方案。Masterflux压缩机的体积及重量要比我们目前所使用的通过皮带驱动的压缩机减少40%，同时可以使用12-600V直流电驱动以满足我们目前机动车的要求。

医疗及科技领域

Masterflux可提供目前医疗及科学领域所要求的热电制冷（帕尔贴效应制冷）所不能达到的制冷范围。因为Masterflux可以通过直流低电压启动，所以可提供相当于电制冷方式50倍的冷量或热量，并且在安全及监控方面也相对容易。

公共交通

因Masterflux压缩机可以通过目前轨道交通中比较通用的74V直流电驱动，所以为公共运输方式提供了高效，高舒适度，低能耗，低成本的解决方案。

太阳能/离网供电

Masterflux为直流供电系统如太阳能，电池，或离网情况下提供了相应的解决方案。因为Masterflux是一款可直接通过直流电驱动的全封闭压缩机，省去了普通交流驱动压缩机在直流电情况下所必须的逆变器，及其他相关启动配件。

军事领域

在荒漠中隐形模式下，既要保持较低的温度还要避免热量的散失，想找到一个安全可靠的解决方案么？答案还是使用Masterflux压缩机。我们的技术足以满足军事使用的要求。

电子行业

帮助你的电子设备散热不是可选项而是必须的。环境温度每升高18华氏度，就会有一对组件产生故障，在这种情况下，Masterflux是新型冷却技术的先驱者。





压缩机

二个系列的产品SIERRA和CASCADE几乎可以覆盖冷柜，商用制冷及空调各种应用。

电压 (DC)*									
	12/24	24/48	24	48	80	48/100	100/150	150/300	600
Sierra	■	■		■	■	■	■	■	■
Cascade	■		■	■					

*电压范围可按客户要求做调整

制冷剂			
代码表		Sierra	Cascade
Y	R134a	■	■
Z	R404A	■	□
H	R1234yf	■	
U	R290	■	□
M	R600a		□

□ 正在研发的型号

可选项

- 并联或串联机组可增加制冷量
- S.A.E. – M.I.O. 标准配件
- 定制电压范围
- 螺纹连接管（标准或公制）



应用代码表		
应用代码	蒸发温度范围	额定温度
1	低	-10° F (-23.3° C)
2	中/商用	+20° F (-6.7° C)
3	高/空调工况	+45° F (7.2° C)

电压代码表	
电压代码	电压代码
01	12
02	12/24
03	24/48
04	48/100
05	100/150
06	150/300
07	150
08	300
09	420
10	600
17	48
18	24

压缩机命名规则

Masterflux压缩机的命名规则非常简单，下面是一个将型号各部分分解说明的例子可以说明基本命名规则。

SIERRA02-0434Y3

压缩机系列

电压代码

应用

制冷剂

排气量 (in³)



控制器

每一个Masterflux压缩机都需要Masterflux的无刷直流电机控制器与其配合使用。
每款压缩机可能对应几个可选的控制器。

控制器主要功能:

- 启动及运行压缩机
- 堵转保护功能
- 提供过热保护并且关闭压缩机及控制器
- 调节压缩机的转速
- 限制功率及最大电流
- 提供报警诊断信息
- 过高及过低电压保护

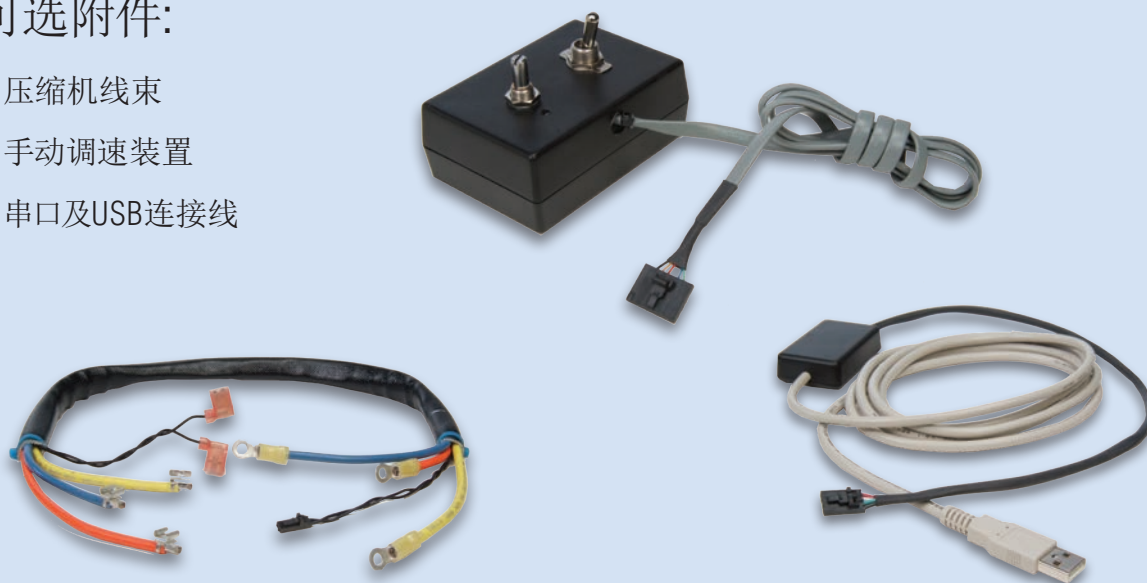
控制器可选项:

- 散热片设计
- 定制线束
- 不明白
- 软启动能力
- 定制电压及运行限制



可选附件:

- 压缩机线束
- 手动调速装置
- 串口及USB连接线





选型表:

应用	型号	制冷剂	制冷量										
			30	60	120	240	470	940	1,900	3,800	7,500	15,000	Watt
			100	200	400	800	1,600	3,200	6,400	12,800	25,600	51,200	BTU/hr
HBP	Sierra	R134a											
		R1234yf											
		R290											
	Cascade	R134a											
MBP	Sierra	R134a											
		R404A											
LBP	Sierra	R134a											
		R404A											
	Cascade	R134a											

Sierra 压缩机:

空调工况: (蒸发温度: 7.2°C/45°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压	制冷剂	应用	制冷量	图号	油量 (cc)	净重	UL
SIERRA02-0434Y3	SIERRA00163	3/8" Suction, 5/16" Discharge Copper Tubes	12-24 V	R134a	High Temp.	1,586-6,091 BTU/hr 465-1,785 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA02-0434Y3	SIERRA00164	#10 Suction, #8 Discharge SAE MIO Fittings	12-24 V	R134a	High Temp.	1,586-6,091 BTU/hr 465-1,785 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	No
SIERRA03-0434H3	SIERRA00126	3/8" Suction, 5/16" Discharge Copper Tubes	24-48 V	R1234yf	High Temp.	1,595-6,320 BTU/hr 467-1,852 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA03-0434Y3	SIERRA00150	3/8" Suction, 5/16" Discharge Copper Tubes	24-48 V	R134a	High Temp.	1,628-5,606 BTU/hr 477-1,643 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	Yes
SIERRA03-0434Y3	SIERRA00170	#10 Suction, #8 Discharge SAE MIO Fittings	24-48 V	R134a	High Temp.	1,628-5,606 BTU/hr 477-1,643 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	Yes
SIERRA03-0434Y3	SIERRA00171	3/8" Suction, 5/16" Discharge Copper Tubes, High Ambient	24-48 V	R134a	High Temp.	1,628-5,606 BTU/hr 477-1,643 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA17-0434Y3	SIERRA00185	3/8" Suction, 5/16" Discharge Copper Tubes	48 V	R134a	High Temp.	1,707-6,500 BTU/hr 500-1,904 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	Yes
SIERRA04-0434Y3	SIERRA00174	3/8" Suction, 5/16" Discharge Copper Tubes	48-100 V	R134a	High Temp.	1,707-3,700 BTU/hr 500-1,084 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA04-0434Y3	SIERRA00175	#10 Suction, #8 Discharge SAE MIO Fittings	48-100 V	R134a	High Temp.	1,707-6,500 BTU/hr 500-1,904 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	No
SIERRA04-0434H3	SIERRA00127	3/8" Suction, 5/8" Discharge Copper Tubes	48-100 V	R1234yf	High Temp.	1,595-6,320 BTU/hr 476-1,852 Watts	DCMX33-001	290	10.8 lbs 5.1 kg	No



Sierra 压缩机 续:

空调工况: (蒸发温度: 7.2°C/45°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压	制冷剂	应用	制冷量	图号	油量 (cc)	净重	UL
SIERRA04-0434H3	SIERRA00178	#10 Suction, #8 Discharge SAE MIO Fittings	48-100 V	R1234yf	High Temp.	1,595-6,320 BTU/hr 467-1,852 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	No
SIERRA05-0434Y3	SIERRA00179	3/8" Suction, 5/16" Discharge Copper Tubes	100-150 V	R134a	High Temp.	1,785-6,375 BTU/hr 523-1,868 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA05-0434Y3	SIERRA00180	#10 Suction, #8 Discharge SAE MIO Fittings	100-150 V	R134a	High Temp.	1,785-6,375 BTU/hr 523-1,868 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	No
SIERRA06-0434Y3	SIERRA00182	3/8" Suction, 5/16" Discharge Copper Tubes	150-300 V	R134a	High Temp.	1,626-6,500 BTU/hr 476-1,904 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA06-0434Y3	SIERRA00184	#10 Suction, #8 Discharge SAE MIO Fittings	150-300 V	R134a	High Temp.	1,626-6,500 BTU/hr 476-1,904 Watts	DCMX27-001	290	10.8 lbs 5.1 kg	No
SIERRA02-0716Y3	SIERRA00160	1/2" Suction, 5/16" Discharge Copper Tubes	12-24 V	R134a	High Temp.	2,840-10,050 BTU/hr 832-2,945 Watts	DCMX25-002	355	14.7 lbs 6.6 kg	No
SIERRA02-0716Y3	SIERRA00151	#10 Suction, #8 Discharge SAE MIO Fittings	12-24 V	R134a	High Temp.	2,840-10,050 BTU/hr 832-2,945 Watts	DCMX38-002	355	15 lbs 6.8 kg	No
SIERRA02-0716Y3	SIERRA00161	#10 Suction, #8 Discharge SAE MIO Fittings	12-24 V	R134a	High Temp.	2,840-10,050 BTU/hr 832-2,945 Watts	DCMX41-002	355	14.7 lbs 6.6 kg	No
SIERRA02-0716Y3	SIERRA00156	M24 x 1.5 Suction, M22 x 1.5 Discharge Metric Terminals	12-24 V	R134a	High Temp.	2,840-10,050 BTU/hr 832-2,945 Watts	DCMX42-002	355	14.7 lbs 6.6 kg	No
SIERRA02-0716Y3	SIERRA00134	3/8" Suction, 5/16" Discharge Copper Tubes; Metric Terminals	12-24 V	R134a	High Temp.	2,840-10,050 BTU/hr 832-2,945 Watts	DCMX25-002	355	14.7 lbs 6.6 kg	No
SIERRA03-0716Y3	SIERRA00162	1/2" Suction, 5/16" Discharge Copper Tubes	24-48 V	R134a	High Temp.	2,840-11,300 BTU/hr 832-3,311 Watts	DCMX25-002	355	14.7 lbs 6.6 kg	Yes
SIERRA03-0716Y3	SIERRA00159	#10 Suction, #8 Discharge SAE MIO Fittings	24-48 V	R134a	High Temp.	2,840-11,300 BTU/hr 832-3,311 Watts	DCMX38-002	355	15 lbs 6.8 kg	Yes
SIERRA03-0982Y3	SIERRA00186	1/2" Suction, 5/16" Discharge Copper Tubes	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	Yes
SIERRA03-0982Y3	SIERRA00120	#10 Suction, #8 Discharge SAE MIO Fittings	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	Yes
SIERRA03-0982Y3	SIERRA00125	1/2" Suction, 5/16" Discharge Copper Tubes, High Capacity	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	Yes
SIERRA03-0982Y3	SIERRA00121	#10 Suction, #8 Discharge SAE MIO Fittings, High Capacity	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	Yes
SIERRA03-0982Y3	SIERRA00190	#10 Suction, #8 Discharge SAE MIO Fittings, High Capacity, Dual	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX34-002	290	14.7 lbs 6.7 kg	Yes
SIERRA03-0982Y3	SIERRA00225	#10 Suction, #8 Discharge SAE MIO Fittings	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX27-002	290	14.7 lbs 6.6 kg	No
SIERRA03-0982Y3	SIERRA00230	#10 Suction, #8 Discharge SAE MIO Fittings, Metric Terminal	24-48 V	R134a	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX34-002	290	14.7 lbs 6.6 kg	No
SIERRA03-0982H3	SIERRA00129	3/8" Suction, 5/16" Discharge Copper Tubes, High CAP	24-48 V	R1234yf	High Temp.	3,950-15,461 BTU/hr 1,157-4,530 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	Yes





Sierra 压缩机 续:

空调工况: (蒸发温度: 7.2°C/45°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)

型号	物料号	产品描述	电压	制冷剂	应用	制冷量	图号	油量 (cc)	净重	UL
SIERRA03-0982U3	SIERRA00139	3/8" Suction, 5/16" Discharge Copper Tubes, High CAP, Metric Terminal	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	No
SIERRA03-0982U3	SIERRA00140	#10 Suction, #8 Discharge SAE MIO Fittings, Dual, High CAP; Metric Terminal	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX34-002	390	14.7 lbs 6.6 kg	No
SIERRA03-0982U3	SIERRA00142	#10 Suction, #8 Discharge SAE MIO Fittings, High CAP; Metric Terminal	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	No
SIERRA03-0982U3	SIERRA00226	#10 Suction, #8 Discharge SAE MIO Fittings, High Cap	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	No
SIERRA03-0982U3	SIERRA00227	3/8" Suction, 5/16" Discharge Copper Tubes, High CAP	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	No
SIERRA03-0982U3	SIERRA00228	#10 Suction, #8 Discharge SAE MIO Fittings, Dual, High Cap	24-48 V	R290	High Temp.	4,800-19,700 BTU/hr 1,413-5,768 Watts	DCMX34-002	390	14.7 lbs 6.6 kg	No
SIERRA17-0982Y3	SIERRA00212	1/2" Suction, 5/16" Discharge Copper Tubes	48 V	R134a	High Temp.	4,160-8,090 BTU/hr 1,219-2,375 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	Yes
SIERRA17-0982U3	SIERRA00213	1/2" Suction, 5/16" Discharge Copper Tubes, Terminals (Metric)	48 V	R290	High Temp.	4,824-10,872 BTU/hr 1,413-3,186 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No
SIERRA17-0982U3	SIERRA00214	#10 Suction, #8 Discharge SAE MIO Fittings, Metric Terminal	48 V	R290	High Temp.	4,824-10,872 BTU/hr 1,413-3,186 Watts	DCMX27-002	290	14.1 lbs 6.4 kg	No
SIERRA17-0982U3	SIERRA00229	#10 Suction, #8 Discharge SAE MIO Fittings	48 V	R290	High Temp.	4,824-10,872 BTU/hr 1,413-3,186 Watts	DCMX27-002	290	14.1 lbs 6.4 kg	No
SIERRA04-0982Y3	SIERRA00153	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX35-002	290	14.1 lbs 6.4 kg	No
SIERRA04-0982Y3	SIERRA00198	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX35-002	175	14.1 lbs 6.4 kg	No
SIERRA04-0982Y3	SIERRA00218	1/2" Suction, 5/8" Discharge Copper Tubes	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	No
SIERRA04-0982Y3	SIERRA00219	#10 Suction, #8 Discharge SAE MIO Fittings	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX27-002	290	14.7 lbs 6.7 kg	No
SIERRA04-0982H3	SIERRA00200	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	48-72 V	R1234yf	High Temp.	3,600-12,500 BTU/hr 1,055-3,663 Watts	DCMX35-002	290	14.4 lbs 6.5 kg	No
SIERRA04-0982H3	SIERRA00201	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	48-72 V	R1234yf	High Temp.	3,600-12,500 BTU/hr 1,055-3,663 Watts	DCMX35-002	175	14.1 lbs 6.4 kg	No
SIERRA04-0982Y3	SIERRA00220	1/2" Suction, 5/8" Discharge Copper Tubes, Metric Terminal	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX33-002	290	14.7 lbs 6.7 kg	No
SIERRA04-0982Y3	SIERRA00223	#10 Suction, #8 Discharge SAE MIO Fittings, Dual	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX27-002	290	14.7 lbs 6.6 kg	No
SIERRA04-0982Y3	SIERRA00224	1/2" Suction, 5/8" Discharge Copper Tubes, Metric Terminal	48-72 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	No
SIERRA04-0982H3	SIERRA00130	1/2" Suction, 5/16" Discharge Copper Tubes	48-100 V	R1234yf	High Temp.	3,600-14,800 BTU/hr 1,055-4,337 Watts	DCMX33-002	290	14.4 lbs 6.5 kg	No



Sierra 压缩机 续:

空调工况: (蒸发温度: 7.2°C/45°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压	制冷剂	应用	制冷量	图号	油量(cc)	净重	UL
SIERRA04-0982Y3	SIERRA00194	1/2" Suction, 5/16" Discharge Copper Tubes	48-100 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No
SIERRA04-0982Y3	SIERRA00195	#10 Suction, #8 Discharge SAE MIO Fittings	48-100 V	R134a	High Temp.	4,160-15,200 BTU/hr 1,219-4,454 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	No
SIERRA05-0982Y3	SIERRA00202	1/2" Suction, 5/16" Discharge Copper Tubes	100-150 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,163-4,190 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No
SIERRA05-0982Y3	SIERRA00203	#10 Suction, #8 Discharge SAE MIO Fittings	100-150 V	R134a	High Temp.	3,970-15,170 BTU/hr 1,163-4,190 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	No
SIERRA06-0982Y3	SIERRA00205	1/2" Suction, 5/16" Discharge Copper Tubes	150-300 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No
SIERRA06-0982Y3	SIERRA00206	#10 Suction, #8 Discharge SAE MIO Fittings	150-300 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX27-002	290	14.4 lbs 6.5 kg	No
SIERRA06-0982Y3	SIERRA00208	#10 Suction, #8 Discharge SAE MIO Fittings, Dual	150-300 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX34-002	290	14.4 lbs 6.5 kg	No
SIERRA06-0982Y3	SIERRA00221	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	150-300 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX35-002	290	14.4 lbs 6.5 kg	No
SIERRA10-0982Y3	SIERRA00114	#10 Suction, #8 Discharge SAE MIO Fittings, Dual	600 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX11-003	390	14.4 lbs 6.5 kg	No
SIERRA10-0982Y3	SIERRA00072	#10 Suction, #8 Discharge SAE MIO Fittings	600 V	R134a	High Temp.	3,909-15,170 BTU/hr 1,145-4,445 Watts	DCMX07-002	290	14.4 lbs 6.5 kg	No

中温/冷柜: (蒸发温度: 6.7°C/20°F, 冷凝温度: 48.9°C/120°F, 过热: 11.1°C/60°F, 过冷: 0°C/0°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压	制冷剂	应用	制冷量	图号	油量(cc)	净重	UL
SIERRA02-0434Y1	SIERRA00167	3/8" Suction, 5/16" Discharge Copper Tubes	12-24 V	R134a	Low Temp.	445-1,534 BTU/hr 121-437 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA02-0434Z1	SIERRA00168	3/8" Suction, 5/16" Discharge Copper Tubes	12-24 V	R404A	Low Temp.	720-2,600 BTU/hr 210-765 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA03-0434Z1	SIERRA00173	3/8" Suction, 5/16" Discharge Copper Tubes	24-48 V	R404A	Low Temp.	720-2,600 BTU/hr 210-765 Watts	DCMX33-001	290	10.5 lbs 4.8 kg	No
SIERRA03-0982Z1	SIERRA00192	1/2" Suction, 5/16" Discharge Copper Tubes	24-48 V	R404A	Low Temp.	1,700-6,150 BTU/hr 500-1,508 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No
SIERRA03-0982Z1	SIERRA00222	M24 x 1.5 Suction, M22 x 1.5 Discharge, Metric Terminal	24-48 V	R404A	Low Temp.	1,700-6,150 BTU/hr 500-1,508 Watts	DCMX35-002	290	14.4 lbs 6.5 kg	No
SIERRA04-0982Z1	SIERRA00197	1/2" Suction, 5/16" Discharge Copper Tubes	48-100 V	R404A	Low Temp.	1,700-6,150 BTU/hr 500-1,508 Watts	DCMX33-002	290	14.1 lbs 6.4 kg	No





Sierra 控制器:

控制器编码	电压范围	产品描述	压缩机型号	控制器图号	控制器图号	手动控调速器	输入电缆	UL
025F0095	12-24 VDC	9-30 VDC	SIERRA02-0434XX	DGMX0022	DEMX0020	030A0117	040F0248	No
025F0219	12-24 VDC	Flanged Heatsink, 9-30 VDC		DGMX0055	DEMX0020	030A0117	040F0248	No
025F0200	12-24 VDC	9-30 VDC	SIERRA02-0716XX	DGMX0022	DEMX0020	030A0117	040F0248	No
025F0218	12-24 VDC	Flanged Heatsink, 9-30 VDC		DGMX0055	DEMX0020	030A0117	040F0248	No
025F0348	12-24 VDC	Dual, 9-30 VDC		DGMX0022	DEMX0033	030A0117	040F0248	No
025F0149	24-48 VDC	Flanged Heatsink, 19-59.9 VDC	SIERRA03-0434XX SIERRA03-0716XX SIERRA03-0982XX	DGMX0031	DEMX0010	030A0043	040F0250	Yes
025F0129	24-48 VDC	19-59.9 VDC		DGMX0033	DEMX0010	030A0043	040F0250	Yes
025F0349	24-48 VDC	Soft Start, Flanged Heatsink, 19-59.9 VDC		DGMX0031	DEMX0010	030A0043	040F0250	Yes
025F0216	24-48 VDC	Flanged Heatsink, Dual, 19-59.9 VDC		DGMX0031	DEMX0023	030A0043	040F0250	Yes
025F0350	24-48 VDC	Soft Start, 19-59.9 VDC		DGMX0029	DEMX0010	030A0043	040F0250	Yes
025F0158	48 VDC	Flanged Heatsink, 37-59.9 VDC	SIERRA04-0434XX SIERRA04-0982XX SIERRA17-0434XX SIERRA17-0982XX	DGMX0031	DEMX0010	030A0043	040F0250	Yes
025F0152	48 VDC	37-59.9 VDC		DGMX0033	DEMX0010	030A0043	040F0250	Yes
025F0164	80 VDC	Flanged Heatsink, 60-97 VDC		DGMX0051	DEMX02	030A0117	040F0248	No
025F0139	80 VDC	60-97 VDC		DGMX0042	DEMX02	030A0117	040F0248	No
025F0202	80 VDC	Dual, 60-97 VDC		DGMX0042	DEMX0032	030A0117	040F0248	No
025F0140-04	100 VDC	Flanged Heatsink, 55-110 VDC		DGMX012	DEMX06	030A0138	040F0268	No
025F0140-05	100 VDC	Flanged Heatsink, 75-125 VDC	SIERRA04-0434XX SIERRA04-0982XX	DGMX012	DEMX06	030A0138	040F0268	No
025F0140-07	100 VDC	Flanged Heatsink, 70-145 VDC	SIERRA05-0434XX SIERRA05-0982XX	DGMX012	DEMX0006	030A0138	040F0268	No
025F0140-01	100-150 VDC	Flanged Heatsink, 90-165 VDC	SIERRA05-0434XX SIERRA05-0982XX	DGMX012	DEMX06	030A0138	040F0268	No
025F0140-06	100-150 VDC	Flanged Heatsink, 90-260 VDC		DGMX012	DEMX06	030A0138	040F0268	No
025F0140-02	150-300 VDC	Flanged Heatsink, 115-325 VDC	SIERRA06-0434XX SIERRA06-0982XX	DGMX012	DEMX06	030A0138	040F0268	No
025F0140-03	150-300 VDC	Flanged Heatsink, 120-420 VDC		DGMX012	DEMX06	030A0138	040F0268	No
025F0188-03	150-300 VDC	Flanged Heatsink, Dual, 120-420 VDC		DGMX012	DEMX0034	030A0138	040F0268	No
025F0195	600 VDC	Flanged Heatsink, 470-750 VDC	SIERRA10-0982XX	DGMX0054	DEMX0044	030A0138	040F0270	No
025F0248	600 VDC	Flanged Heatsink, Dual, 450-750 VDC		DGMX0054	DEMX0041	030A0138	040F0270	No



Cascade 压缩机:

低温/冷冻: (蒸发温度: -23°C/-10°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压范围	制冷剂	应用	制冷量	图号	油量(cc)	净重	UL/CE
CASCADE17-0146Y1	CASCADE0024	5/16" Suction, 5/16" Discharge Copper Tubes, Mobile	12 V-24 V, 48 V	R134a	Low Temp.	106-237 BTU/hr 31-69 Watts	DCMX14-001	263	14.2 lbs 6.4 kg	Yes
CASCADE17-0231Y1	CASCADE0025	5/16" Suction, 5/16" Discharge Copper Tubes, Mobile	12 V-24 V, 48 V	R134a	Low Temp.	190-444 BTU/hr 56-130 Watts	DCMX14-002	263	14.2 lbs 6.4 kg	Yes

空调工况: (蒸发温度: 7.2°C/45°F, 冷凝温度: 54.4°C/130°F, 过热: 11.1°C/20°F, 过冷: 8.3°C/15°F, 环境温度: 35°C/95°F)										
型号	物料号	产品描述	电压范围	制冷剂	应用	制冷量	图号	油量(cc)	净重	UL/CE
CASCADE17-0306Y3	CASCADE0003	1/4" Suction, 3/16" Discharge Copper Tubes, Stationary	24 V, 48 V	R134a	High Temp.	983-2,274 BTU/hr 288-666 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-0244Y3	CASCADE0004	1/4" Suction, 3/16" Discharge Copper Tubes, Stationary	24 V, 48 V	R134a	High Temp.	1,475 BTU/hr 432 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-192Y3	CASCADE0005	1/4" Suction, 3/16" Discharge Copper Tubes, Stationary	24 V, 48 V	R134a	High Temp.	1,150 BTU/hr 337 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-0342Y3	CASCADE0006	1/4" Suction, 3/16" Discharge Copper Tubes, Stationary	24 V, 48 V	R134a	High Temp.	2,050 BTU/hr 600 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-0306Y3	CASCADE1003	1/4" Suction, 3/16" Discharge Copper Tubes, Mobile	24 V, 48 V	R134a	High Temp.	983-2,274 BTU/hr 288-666 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-0244Y3	CASCADE1004	1/4" Suction, 3/16" Discharge Copper Tubes, Mobile	24 V, 48 V	R134a	High Temp.	1,475 BTU/hr 432 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-192Y3	CASCADE1005	1/4" Suction, 3/16" Discharge Copper Tubes, Mobile	24 V, 48 V	R134a	High Temp.	1,150 BTU/hr 337 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes
CASCADE17-0342Y3	CASCADE1006	1/4" Suction, 3/16" Discharge Copper Tubes, Mobile	24 V, 48 V	R134a	High Temp.	2,050 BTU/hr 600 Watts	DCMX17	270	14.8 lbs 6.7 kg	Yes

Cascade 控制器:

控制器编码	电压范围	产品描述	压缩机型号	控制器图号	控制器图号	UL/CE
030F0121	12-24 VDC	Compressor Mounted Controller, 9.6-31.5 VDC	CASCADE17-XXXXY1	DGMX0044	DEMX0024	Yes
030F0137	48 VDC	Compressor Mounted Controller, 36-60 VDC	CASCADE17-XXXXY1 CASCADE17-XXXXY3	DGMX0050	DEMX0028	Yes
030F0152	24 VDC	Compressor Mounted Controller, 19-30 VDC	CASCADE17-XXXXY3	DGMX0050	DEMX0028	No
030F0175	48 VDC	Compressor Mounted Controller, 39-60 VDC; Flat Heatsink	CASCADE17-XXXXY1 CASCADE17-XXXXY3	DGMX0082	DEMX0028	Yes
030F0176	24 VDC	Compressor Mounted Controller, 39-60 VDC; Flat Heatsink	CASCADE17-XXXXY3	DGMX0082	DEMX0028	Yes



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