Single
Packs

Single Pack MN13UVULTM 100-240V 50/60Hz PM

Single pack code number: **195B4852**

Position	Title	Code	Amount
1	Compressor MN13UVULTM	105M0852	1
2	Electronic unit NLV	105N4963	1
3	Cord relief	103N1004	1
4	Cover	103N2008	1

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型号

MN13UVULTM

采购代码:

105M0852

压缩机数据

制冷剂	**R170 / R290 / R1270**
制冷剂最大充注量	**300g / 10.58oz**
重量	**10.80 kg / 23.81lbs**
排气量	**12.55 cm3 / 0.77cu.in**
每托盘压缩机数量	**80**



基本信息 MN13UVULTM 和控制器

–	**Conf. 1**	**Conf. 2**	**Conf. 3**
单包装采购代码:	105N4962	105N4962	105N4962
供电电源 (标称)	100-240 V,50/60 Hz	100-240 V,50/60 Hz	100-240 V,50/60 Hz
电机相数	1~AC	1~AC	1~AC
认证	UL, VDE, CCC	UL, VDE	UL, VDE
启动力矩	HST	HST	HST
制冷剂	R290	R170	R1270
应用	L+MBP	ULT	VLBP
热气除霜	OK	OK	OK
长时间高负荷运行	OK	–	–
保护器类型	Mechanic	Mechanic	Mechanic

应用说明

- 保护接地（PE）端子位于压缩机上的 PE 冲压标记处
- 带伸缩连接管的直吸结构
- 适用于实验室和医疗应用
- 特殊保修条款请与 SECOP 销售确认

型号

MN13UVULTM

采购代码:

105M0852

设计信息

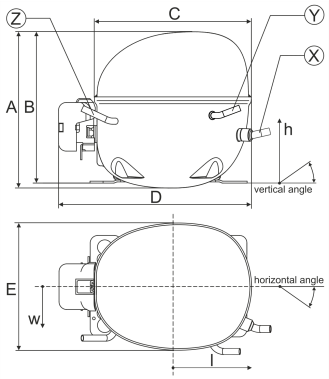
润滑油类型	**POE**	保护器类型	**内置**
润滑油黏度	**32cSt**	最高绕组温度	**125 °C**
润滑油注油量	**320 cm3 / 10.82fl.oz**	最高排气温度	**130°C / 266°F**
壳体内自由空间容积	**2,360 cm3 / 79.80fl.oz**		

尺寸信息

壳体

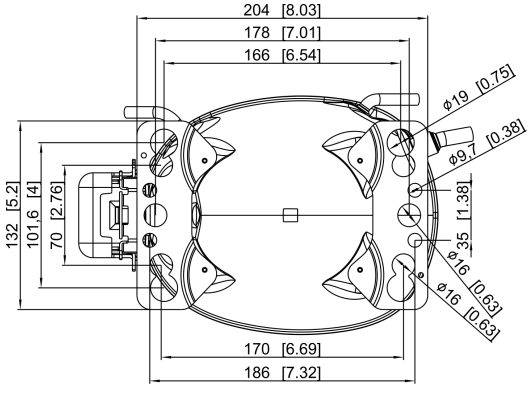
A 高度	**203mm / 7.99in**
B 高度	**197mm / 7.76in**
C 外壳长度	**205mm / 8.07in**
D 长度（含保护罩）	**252mm / 9.92in**
E 宽度	**166mm / 6.54in**

在此查找 3D 模型



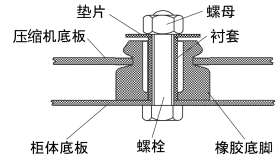
连接管	吸气管 X	排气管 Y	工艺管 Z
直径 [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.11–6.29 / 0.24–0.25in	øi 6.11–6.29 / 0.24–0.25in
材料	CU	CU	CU
水平角度 ±2°	0°	0°	0°
垂直角度 ±2°	15°	21°	155°
位置 l/h/w [mm]	132/68.5/56.7 / 5.20/2.70/2.23in	94/101.7/81 / 3.70/4.00/3.19in	-109.3/94.3/72 / -4.30/3.71/2.83in
直管长度 [mm]	12 / 0.47in	12 / 0.47in	12 / 0.47in

安装附件

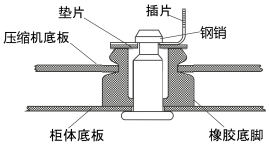


单位：mm [in]

螺栓式



插片式



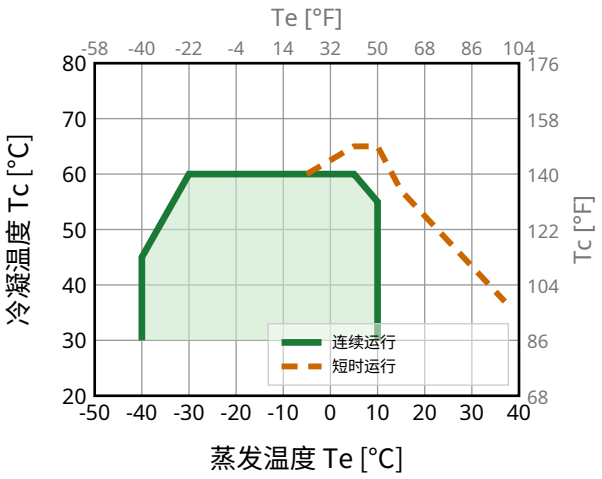
	单台包装	批量包装
螺栓式 | M6 | ø16mm	118-1917	118-1918
螺栓式 | ø1/4" | ø16mm	118-1946	–
螺栓式 | ø1/4" | ø19mm	118-1949	–
插片式 | ø7,3 | ø16mm	118-1947	118-1919

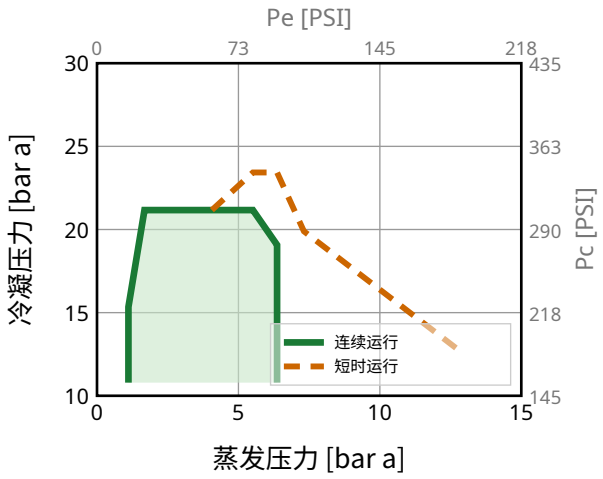
型号
MN13UVULTM 系统设计

采购代码:
105M0852

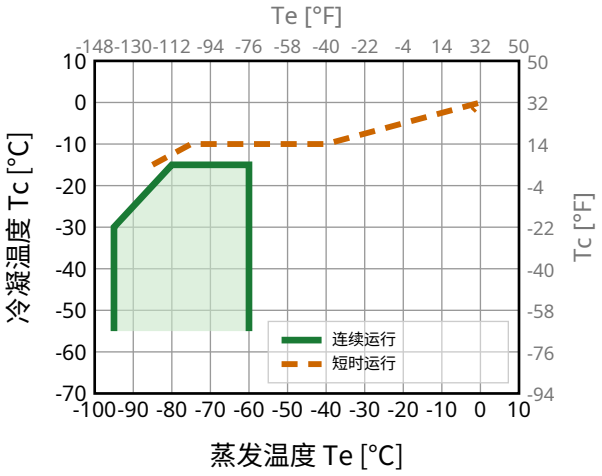
系统设计

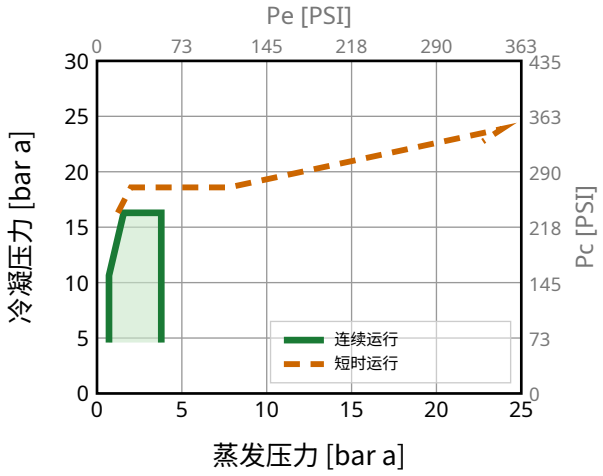
运行范围 R290



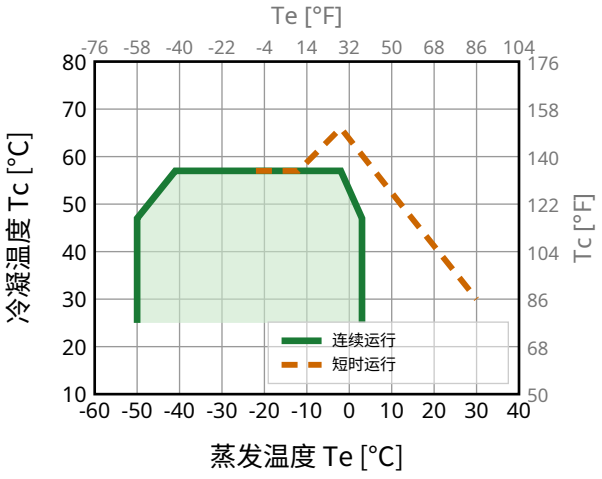


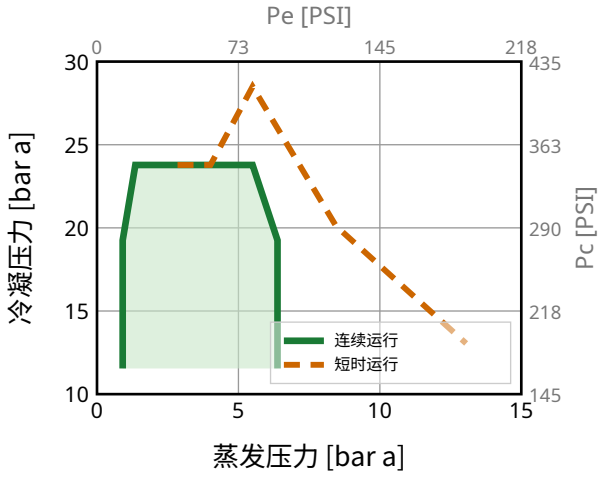
运行范围 R170





运行范围 R1270





型号

MN13UVULTM

采购代码:

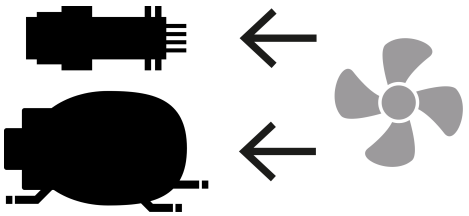
105M0852

系统冷却条件

压缩机和控制器冷却: 风冷 3m/s

需保证压缩机与控制器的冷却风速达到3m/s

需保证气流能直接冷却控制器的散热片



附件（压缩机+控制器）

103N2008	塑料保护罩	1 件

运行限值

回气温度 < +20°C（持续运行）

型号 采购代码:

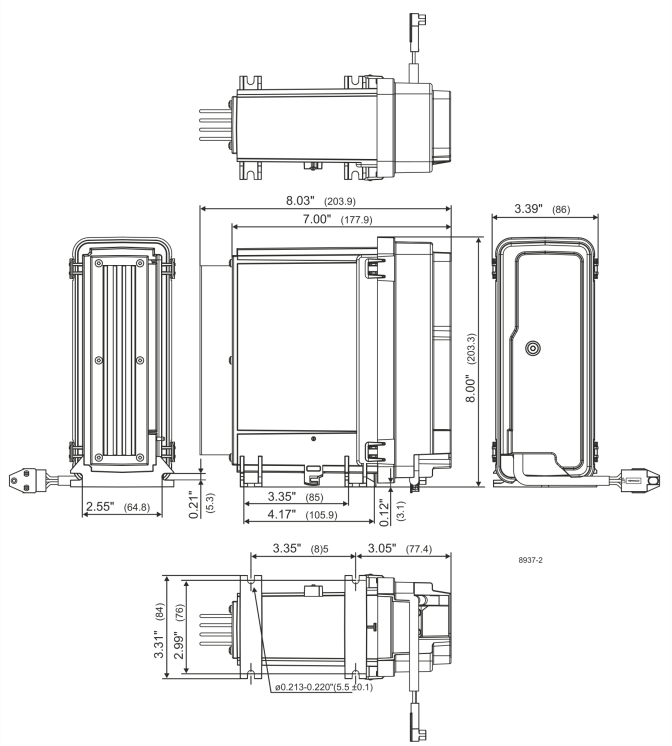
MN13UVULTM 控制器概览 **105M0852**

控制器概览

–	**Conf. 1, 2, 3**
单包装采购代码:	105N4962
工业包装采购代码:	105N4963 (8)
标称电压:	100-240 V,50/60 Hz
电压范围	90-150/180-270 V
最大输出功率	1000 W
压缩机转速范围:	2000-4500 rpm
电缆长度:	915 mm
防护等级:	IP54
堵转电流:	1,2 A
AEO and Defrost pin	Yes
Frequency input	Yes
Modbus input	SWI
控制器接线	» 控制器接线

控制器尺寸

Conf. 1, 2, 3



操作说明

变频压缩机及控制器的正确安装与运行，请参阅操作说明书。本文件包含控制器的电气安装、转速控制以及技术参数相关内容。
» 下载操作说明书

型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 2000 rpm

R290, 240 V/50 Hz, 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	**440**	1501	378	**1.77**	6.03	249	1.09	4.47	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**329**	1122	283	**1.38**	4.69	239	1.05	4.12	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**242**	825	208	**1.47**	5.01	164	0.77	2.77	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**767**	2618	660	**2.18**	7.45	351	1.52	8.78	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**613**	2091	527	**1.83**	6.25	334	1.45	7.79	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**667**	2275	574	**2.25**	7.67	297	1.29	8.21	**EN12900 MBP**

性能参数表 — 2000 rpm

R290, 240 V/50 Hz, 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	**174**	594	150	**1.19**	4.04	147	0.71	1.96
-30	-22	**299**	1021	257	**1.53**	5.23	195	0.88	3.38
-20	-4	**468**	1599	403	**1.89**	6.44	248	1.09	5.33
-10	14	**693**	2366	596	**2.34**	7.98	297	1.29	7.96
0	32	**985**	3361	847	**2.98**	10.15	331	1.44	11.45
10	50	**1355**	4623	1165	**3.96**	13.50	342	1.48	16.02

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

-40	-40	**143**	487	123	**0.91**	3.12	156	0.74	1.77
-30	-22	**258**	879	222	**1.24**	4.22	209	0.93	3.22
-20	-4	**411**	1401	353	**1.51**	5.17	271	1.19	5.17
-10	14	**613**	2091	527	**1.83**	6.25	334	1.45	7.79
0	32	**875**	2987	753	**2.25**	7.68	389	1.68	11.29
10	50	**1210**	4127	1040	**2.84**	9.70	425	1.82	15.89

型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 4500 rpm

R290, 240 V/50 Hz, 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	**1025**	3499	882	**1.81**	6.18	566	2.42	10.42	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**767**	2617	660	**1.41**	4.82	542	2.32	9.61	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**564**	1924	485	**1.50**	5.10	377	1.64	6.47	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**1774**	6053	1526	**2.13**	7.25	834	3.55	20.31	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**1419**	4843	1221	**1.81**	6.19	783	3.33	18.05	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**1540**	5255	1325	**2.14**	7.29	720	3.07	18.95	**EN12900 MBP**

性能参数表 — 4500 rpm

R290, 240 V/50 Hz, 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	**405**	1383	349	**1.24**	4.24	326	1.43	4.56
-30	-22	**698**	2381	600	**1.56**	5.31	448	1.93	7.88
-20	-4	**1087**	3710	935	**1.87**	6.38	582	2.49	12.37
-10	14	**1601**	5463	1377	**2.22**	7.58	720	3.07	18.39
0	32	**2266**	7732	1949	**2.64**	9.00	859	3.65	26.35
10	50	**3109**	10607	2673	**3.14**	10.71	990	4.21	36.77

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

-40	-40	**329**	1124	283	**0.98**	3.33	337	1.47	4.09
-30	-22	**602**	2053	517	**1.28**	4.38	469	2.02	7.52
-20	-4	**956**	3262	822	**1.54**	5.26	620	2.65	12.03
-10	14	**1419**	4843	1221	**1.81**	6.19	783	3.33	18.05
0	32	**2018**	6887	1736	**2.12**	7.23	952	4.05	26.03
10	50	**2780**	9486	2391	**2.48**	8.45	1123	4.77	36.53

型号
MN13UVULTM

采购代码:
105M0852

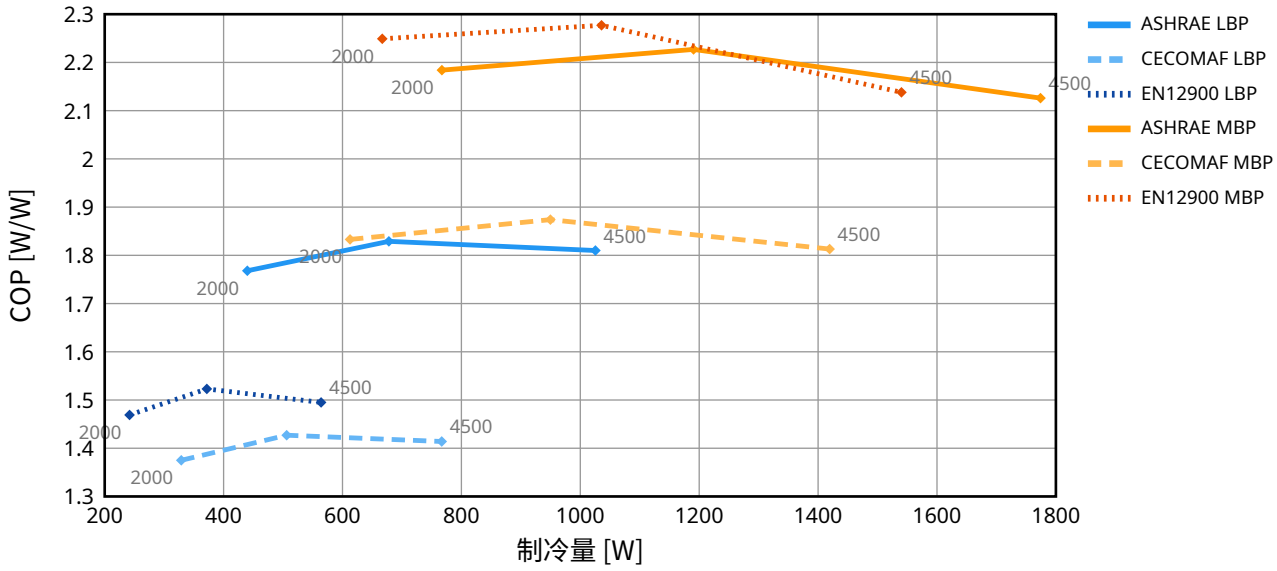
最佳性能

R290, 240 V/50 Hz, 风冷 3m/s
显示在每个标准工况下达到最高 COP 的转速 (RPM)。

pe	pc	RGT	Tliq	制冷量			COP	EER	P	RPM	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[rpm]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	**678**	2313	583	**1.83**	6.24	371	**3000**	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**506**	1727	435	**1.43**	4.87	355	**3000**	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**372**	1269	320	**1.52**	5.20	244	**3000**	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**1190**	4062	1024	**2.23**	7.60	535	**3000**	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**950**	3240	817	**1.87**	6.39	507	**3000**	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**1036**	3534	891	**2.28**	7.77	455	**3000**	**EN12900 MBP**

制冷量与 COP

R290, 240 V/50 Hz, 风冷 3m/s



型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 2000 rpm

R170, 240 V/50 Hz, 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]	
-85 -121	-35 -31	10 50	-15 5	**203**	693	175	**1.56**	5.34	130	0.66	1.65	**ULT 1**
-85 -121	-40 -40	10 50	-20 -4	**216**	737	186	**1.78**	6.07	121	0.64	1.70	**ULT 2**
-85 -121	-45 -49	10 50	-25 -13	**228**	779	196	**2.04**	6.96	112	0.61	1.74	**ULT 3**
-95 -139	-35 -31	10 50	-30 -22	**112**	382	96	**1.23**	4.18	92	0.57	0.82	**ULT 4**
-95 -139	-40 -40	10 50	-35 -31	**122**	418	105	**1.42**	4.83	86	0.55	0.88	**ULT 5**
-95 -139	-45 -49	10 50	-40 -40	**132**	452	114	**1.64**	5.58	81	0.54	0.92	**ULT 6**

性能参数表 — 2000 rpm

R170, 240 V/50 Hz, 风冷 3m/s

pc= -35/-31 | RGT= 10/50 | Tliq= -35/-31 | °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]
-95	-139	**117**	400	101	**1.28**	4.37	92	0.57	0.84
-90	-130	**170**	578	146	**1.54**	5.25	110	0.61	1.22
-85	-121	**234**	799	201	**1.80**	6.16	130	0.66	1.68
-80	-112	**313**	1069	269	**2.10**	7.18	149	0.72	2.25
-75	-103	**409**	1394	351	**2.46**	8.41	166	0.77	2.94
-70	-94	**523**	1783	449	**2.92**	9.95	179	0.82	3.77
-65	-85	**657**	2241	565	**3.51**	11.97	187	0.85	4.75
-60	-76	**814**	2777	700	**4.32**	14.72	189	0.86	5.91

pc= -25/-13 | RGT= 10/50 | Tliq= -25/-13 | °C/°F

-95	-139	**95**	324	82	**0.95**	3.23	100	0.59	0.72
-90	-130	**145**	496	125	**1.20**	4.10	121	0.64	1.10
-85	-121	**207**	706	178	**1.43**	4.88	144	0.70	1.57
-80	-112	**282**	961	242	**1.66**	5.67	169	0.79	2.15
-75	-103	**372**	1269	320	**1.92**	6.54	194	0.87	2.84
-70	-94	**480**	1636	412	**2.21**	7.54	217	0.96	3.67
-65	-85	**607**	2070	522	**2.57**	8.76	236	1.04	4.66
-60	-76	**755**	2577	650	**3.01**	10.27	251	1.10	5.82

型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 4500 rpm

R170, 240 V/50 Hz, 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]	
-85 -121	-35 -31	10 50	-15 5	**472**	1612	406	**1.58**	5.39	299	1.32	3.85	**ULT 1**
-85 -121	-40 -40	10 50	-20 -4	**500**	1707	430	**1.78**	6.07	281	1.25	3.94	**ULT 2**
-85 -121	-45 -49	10 50	-25 -13	**527**	1797	453	**2.03**	6.92	260	1.16	4.01	**ULT 3**
-95 -139	-35 -31	10 50	-30 -22	**262**	893	225	**1.28**	4.37	204	0.94	1.93	**ULT 4**
-95 -139	-40 -40	10 50	-35 -31	**286**	976	246	**1.45**	4.94	198	0.92	2.05	**ULT 5**
-95 -139	-45 -49	10 50	-40 -40	**309**	1053	265	**1.64**	5.61	188	0.88	2.15	**ULT 6**

性能参数表 — 4500 rpm

R170, 240 V/50 Hz, 风冷 3m/s

pc= -35/-31 | RGT= 10/50 | Tliq= -35/-31 | °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]
-95	-139	**274**	935	236	**1.34**	4.58	204	0.94	1.96
-90	-130	**396**	1351	341	**1.58**	5.39	251	1.12	2.84
-85	-121	**545**	1860	469	**1.82**	6.22	299	1.32	3.91
-80	-112	**726**	2476	624	**2.08**	7.10	349	1.52	5.22
-75	-103	**943**	3217	811	**2.37**	8.07	399	1.72	6.79
-70	-94	**1201**	4098	1033	**2.68**	9.13	449	1.93	8.67
-65	-85	**1505**	5134	1294	**3.02**	10.31	498	2.13	10.89
-60	-76	**1859**	6343	1599	**3.41**	11.62	546	2.34	13.49

pc= -25/-13 | RGT= 10/50 | Tliq= -25/-13 | °C/°F

-95	-139	**220**	752	190	**1.04**	3.54	212	0.97	1.68
-90	-130	**340**	1161	293	**1.27**	4.33	268	1.19	2.59
-85	-121	**485**	1654	417	**1.48**	5.06	327	1.43	3.69
-80	-112	**658**	2247	566	**1.69**	5.78	389	1.68	5.02
-75	-103	**866**	2955	745	**1.91**	6.53	453	1.95	6.62
-70	-94	**1112**	3794	956	**2.15**	7.33	518	2.22	8.52
-65	-85	**1401**	4782	1205	**2.40**	8.19	584	2.50	10.76
-60	-76	**1739**	5932	1495	**2.67**	9.13	650	2.78	13.40

型号

MN13UVULTM

采购代码:

105M0852

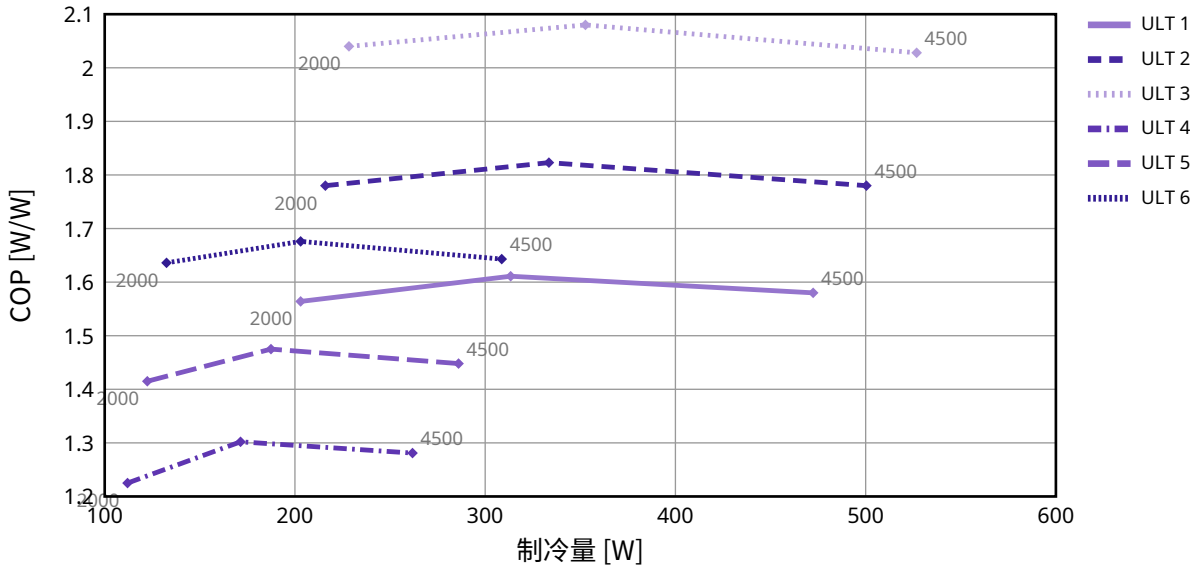
最佳性能

R170, 240 V/50 Hz, 风冷 3m/s
显示在每个标准工况下达到最高 COP 的转速 (RPM)。

pe	pc	RGT	Tliq	制冷量			COP	EER	P	RPM	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[rpm]	
-85 -121	-35 -31	10 50	-15 5	**313**	1069	270	**1.61**	5.50	194	**3000**	**ULT 1**
-85 -121	-40 -40	10 50	-20 -4	**334**	1138	287	**1.82**	6.22	183	**3000**	**ULT 2**
-85 -121	-45 -49	10 50	-25 -13	**353**	1203	303	**2.08**	7.10	170	**3000**	**ULT 3**
-95 -139	-35 -31	10 50	-30 -22	**171**	585	147	**1.30**	4.44	132	**3000**	**ULT 4**
-95 -139	-40 -40	10 50	-35 -31	**187**	639	161	**1.48**	5.03	127	**3000**	**ULT 5**
-95 -139	-45 -49	10 50	-40 -40	**203**	693	175	**1.68**	5.72	121	**3000**	**ULT 6**

制冷量与 COP

R170, 240 V/50 Hz, 风冷 3m/s



型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 2000 rpm

R1270, 240 V/50 Hz, 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	**521**	1778	448	**1.63**	5.58	319	1.39	5.26	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**392**	1338	337	**1.28**	4.35	307	1.34	4.86	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**293**	1001	252	**1.40**	4.77	210	0.94	3.32	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**426**	1455	367	**1.40**	4.78	304	1.33	5.78	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**548**	1868	471	**1.94**	6.62	282	1.23	5.52	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**281**	959	242	**1.29**	4.41	217	0.97	3.13	**opt LBP**

性能参数表 — 2000 rpm

R1270, 240 V/50 Hz, 风冷 3m/s

pc= 35/95 | RGT= 32/89.6 | Tliq= 35/95 | °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]
-50	-58	**136**	464	117	**1.04**	3.56	130	0.67	1.38
-40	-40	**248**	848	214	**1.41**	4.82	176	0.81	2.54
-30	-22	**407**	1388	350	**1.77**	6.04	230	1.01	4.18
-20	-4	**622**	2121	535	**2.20**	7.52	282	1.23	6.43
-10	14	**904**	3083	777	**2.81**	9.60	321	1.40	9.44
0	32	**1263**	4309	1086	**3.76**	12.83	336	1.46	13.36
3	37	**1387**	4734	1193	**4.16**	14.18	334	1.44	14.75

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

-50	-58	**110**	374	94	**0.78**	2.64	141	0.69	1.21
-40	-40	**214**	731	184	**1.14**	3.89	188	0.85	2.38
-30	-22	**360**	1227	309	**1.44**	4.91	250	1.10	4.02
-20	-4	**556**	1898	478	**1.76**	6.00	316	1.38	6.27
-10	14	**815**	2780	701	**2.17**	7.39	376	1.63	9.28
0	32	**1146**	3910	985	**2.74**	9.34	419	1.79	13.23
3	37	**1261**	4303	1084	**2.96**	10.09	427	1.82	14.64

型号

MN13UVULTM

采购代码:

105M0852

标准工况下性能参数 — 4500 rpm

R1270, 240 V/50 Hz, 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	**1214**	4144	1044	**1.67**	5.70	726	3.10	12.25	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**914**	3120	786	**1.31**	4.47	698	2.98	11.33	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**684**	2333	588	**1.41**	4.80	486	2.08	7.73	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**992**	3385	853	**1.42**	4.83	700	2.98	13.44	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**1271**	4337	1093	**1.93**	6.58	659	2.81	12.82	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**656**	2237	564	**1.31**	4.48	500	2.14	7.31	**opt LBP**

性能参数表 — 4500 rpm

R1270, 240 V/50 Hz, 风冷 3m/s

pc= 35/95 | RGT= 32/89.6 | Tliq= 35/95 | °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]
-50	-58	**315**	1074	271	**1.09**	3.74	288	1.27	3.21
-40	-40	**579**	1977	498	**1.43**	4.87	406	1.76	5.92
-30	-22	**946**	3228	814	**1.77**	6.03	535	2.29	9.72
-20	-4	**1439**	4910	1238	**2.14**	7.30	673	2.87	14.89
-10	14	**2082**	7104	1791	**2.54**	8.68	818	3.49	21.75
0	32	**2899**	9891	2493	**2.99**	10.19	971	4.12	30.68
3	37	**3182**	10855	2736	**3.13**	10.67	1017	4.32	33.83

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

-50	-58	**252**	859	217	**0.86**	2.93	293	1.30	2.79
-40	-40	**499**	1704	429	**1.17**	3.99	427	1.84	5.55
-30	-22	**838**	2858	720	**1.46**	4.97	575	2.46	9.37
-20	-4	**1291**	4404	1110	**1.75**	5.98	736	3.14	14.54
-10	14	**1882**	6423	1619	**2.07**	7.07	909	3.87	21.44
0	32	**2637**	8997	2268	**2.41**	8.24	1092	4.64	30.45
3	37	**2898**	9889	2493	**2.52**	8.61	1149	4.88	33.65

型号
MN13UVULTM

采购代码:
105M0852

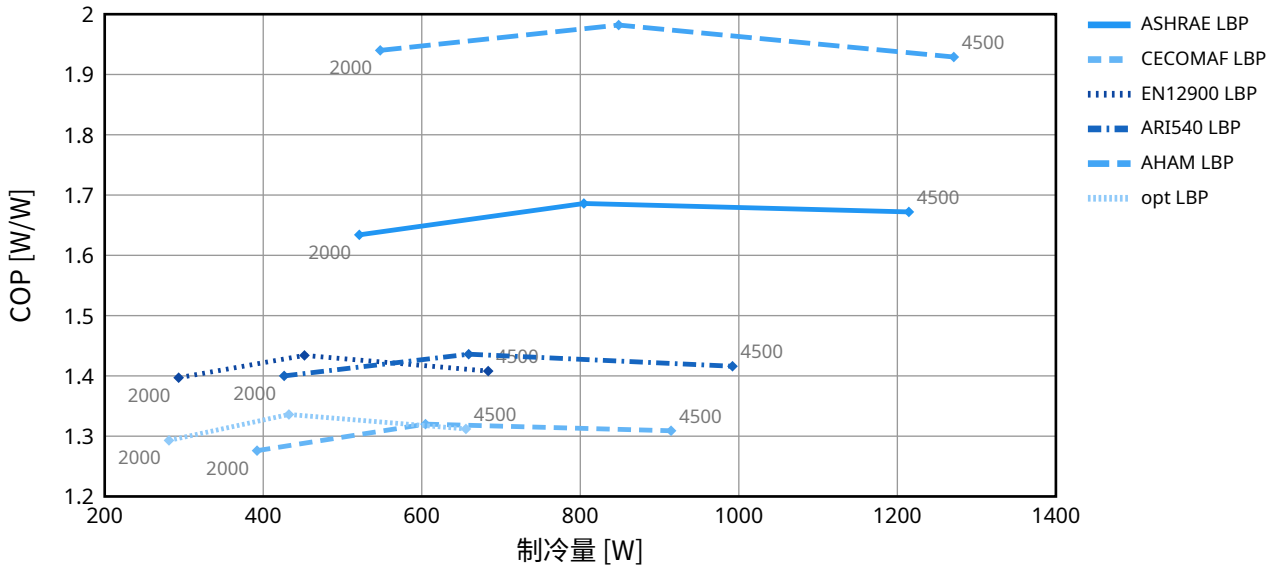
最佳性能

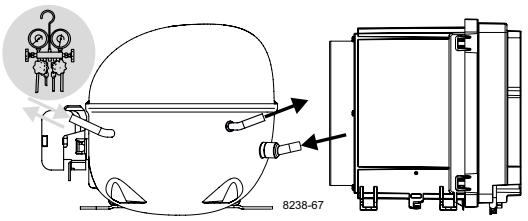
R1270, 240 V/50 Hz, 风冷 3m/s
显示在每个标准工况下达到最高 COP 的转速 (RPM)。

pe	pc	RGT	Tliq	制冷量			COP	EER	P	RPM	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[rpm]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	**804**	2745	692	**1.69**	5.75	477	**3000**	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**605**	2063	520	**1.32**	4.50	458	**3000**	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**452**	1542	389	**1.43**	4.89	315	**3000**	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**659**	2249	567	**1.44**	4.90	459	**3000**	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**848**	2895	730	**1.98**	6.76	428	**3000**	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**432**	1475	372	**1.34**	4.56	324	**3000**	**opt LBP**

制冷量与 COP

R1270, 240 V/50 Hz, 风冷 3m/s





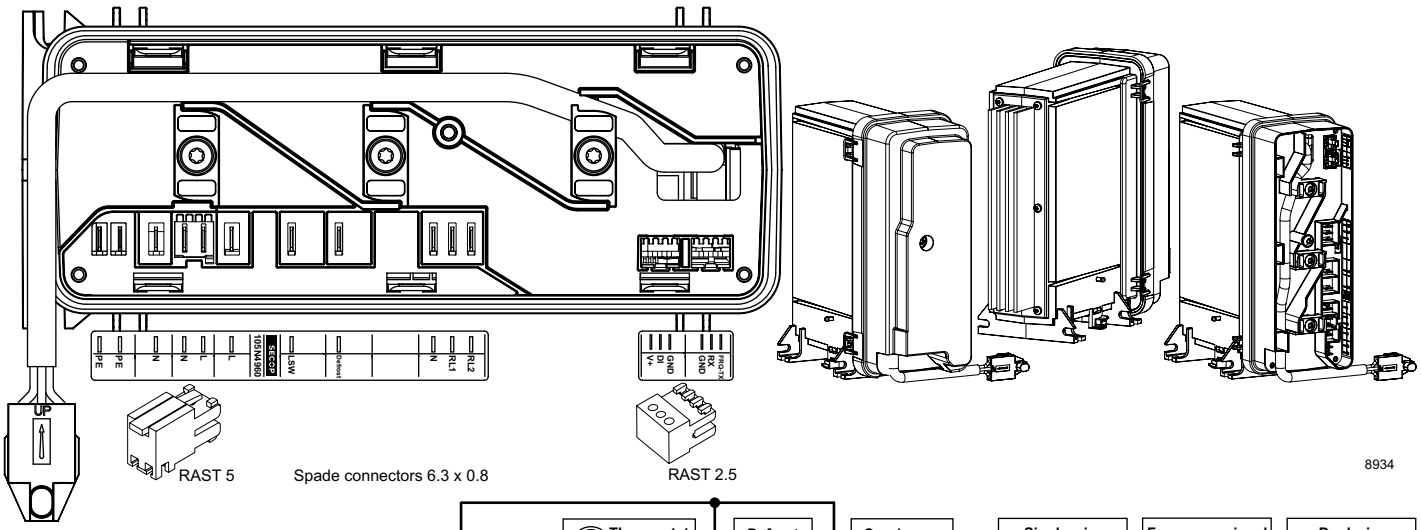
Instructions

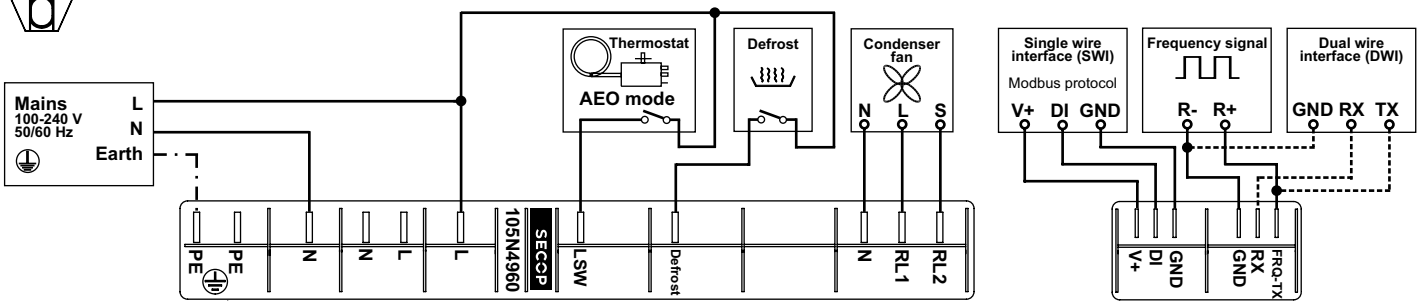
NLV/MN-UV Compressors
100-240 V, 50/60 Hz
105N4960/105N4964
Controllers

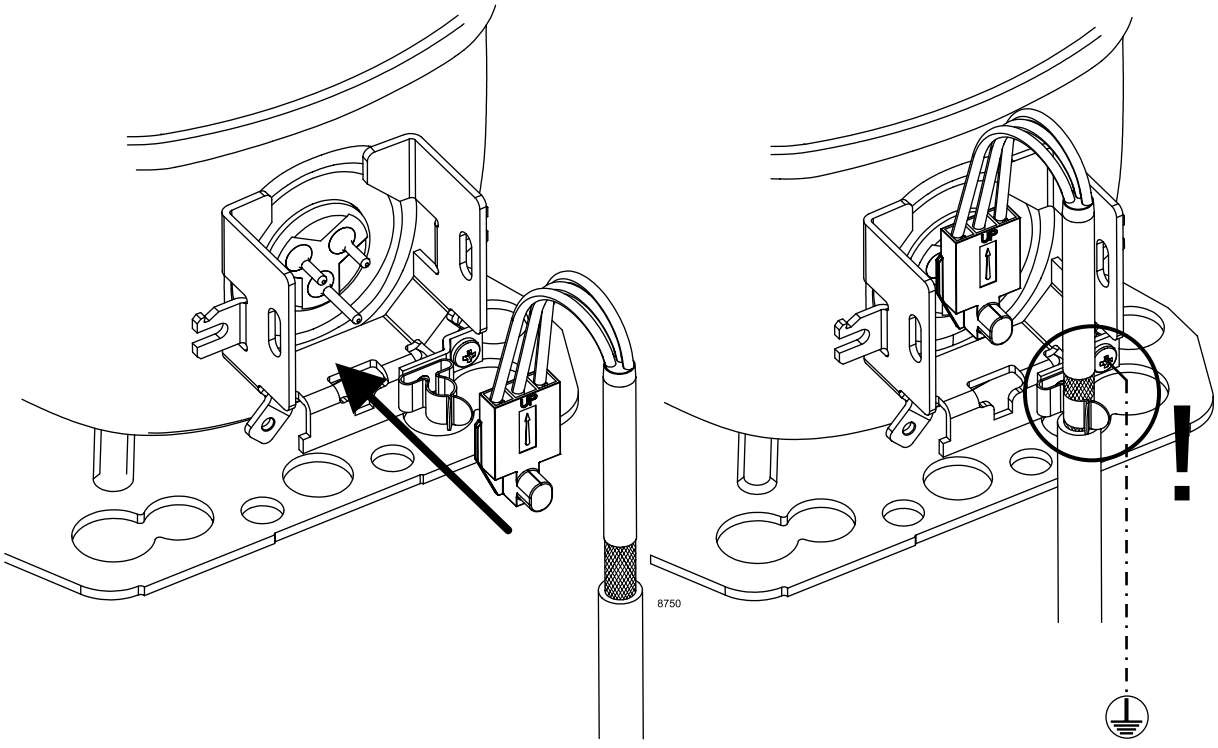
SECOP

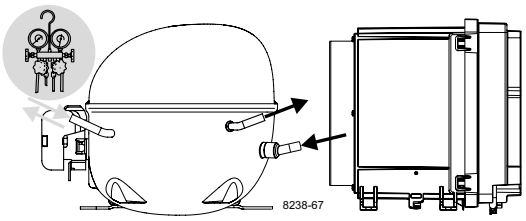
Keep electrical equipment clear from oil, chemicals, and water











Instructions

NLV/MN-UV Compressors
100-240 V, 50/60 Hz
105N4960/105N4964
Controllers

SECOP

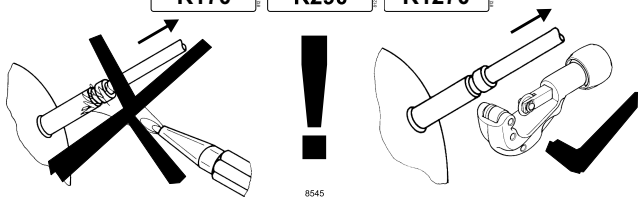
Keep electrical equipment clear from oil, chemicals, and water



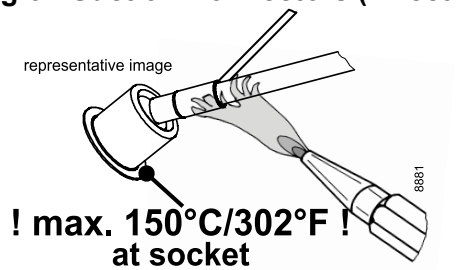
Service/Repair – R170, R290, R1270

(applies to all flammable refrigerants)





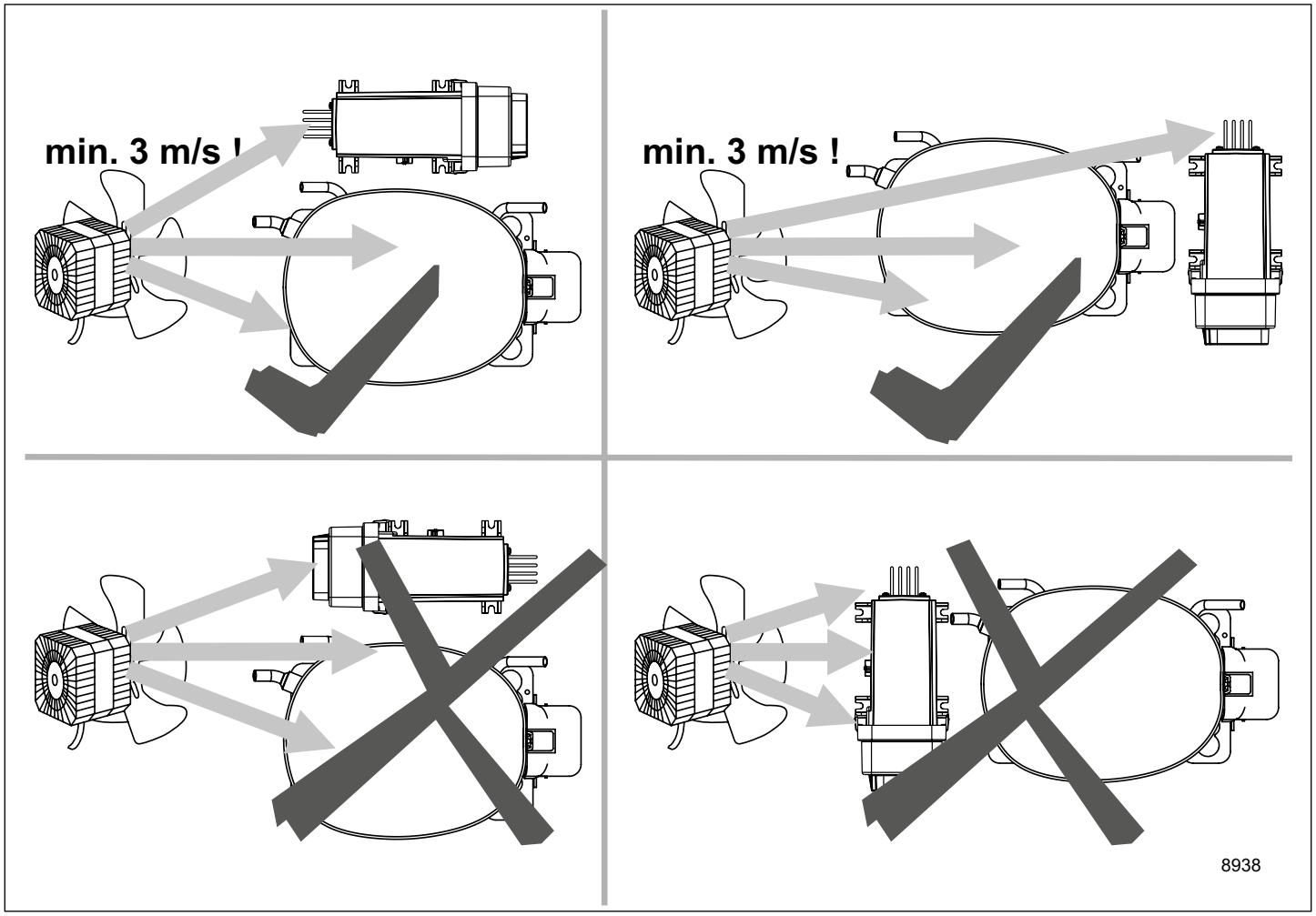
Brazing on Suction Connectors (Direct Intake)



! max. 150°C/302°F ! at socket

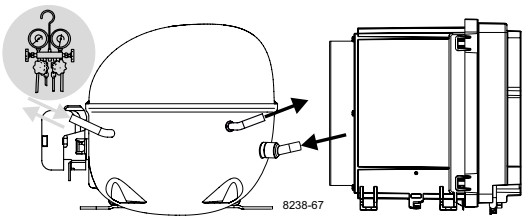
brazing solder: phosphor (LP7) or silver

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



Airflow	3 m/s
Operating conditions	+ 5 °C to 43 °C - humidity < 90 % rH non condensing
Storage conditions	-25 °C to 70 °C - humidity < 90 % rH non condensing
Supply voltage	100-240 V (± 10 %)
Frequency	50/60 Hz
Input power, max.	1000 W

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**



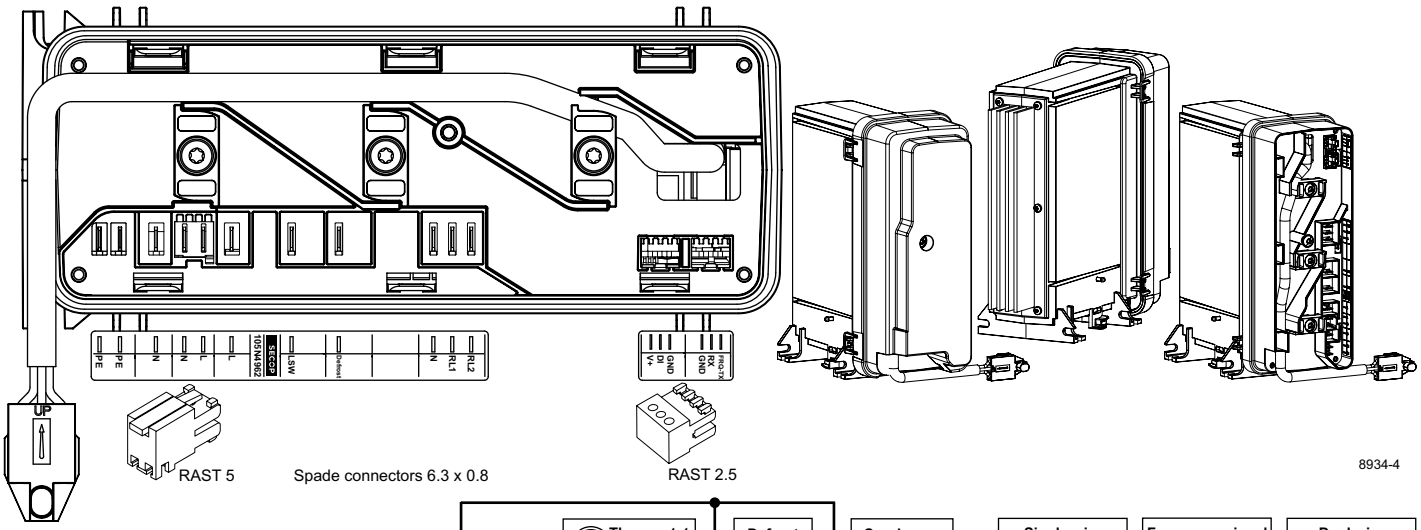
Instructions

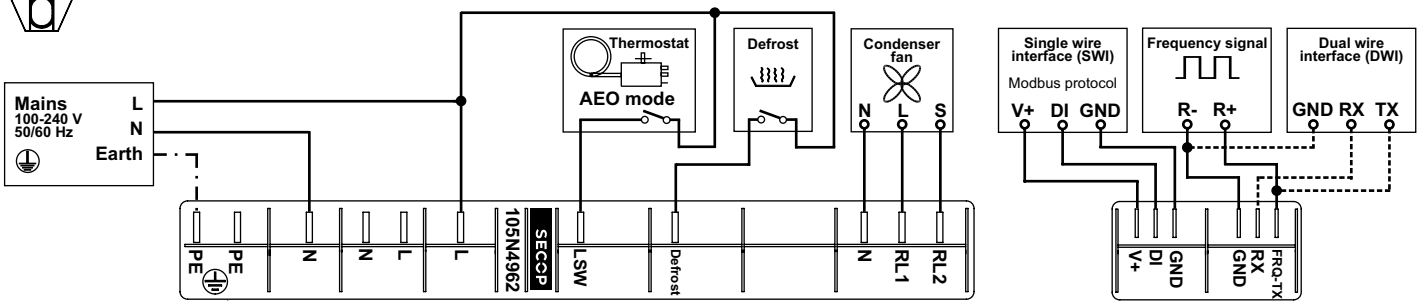
NLV/MN-UV Compressors
100-240 V, 50/60 Hz
105N4962/105N4966/
105N4972 Controllers

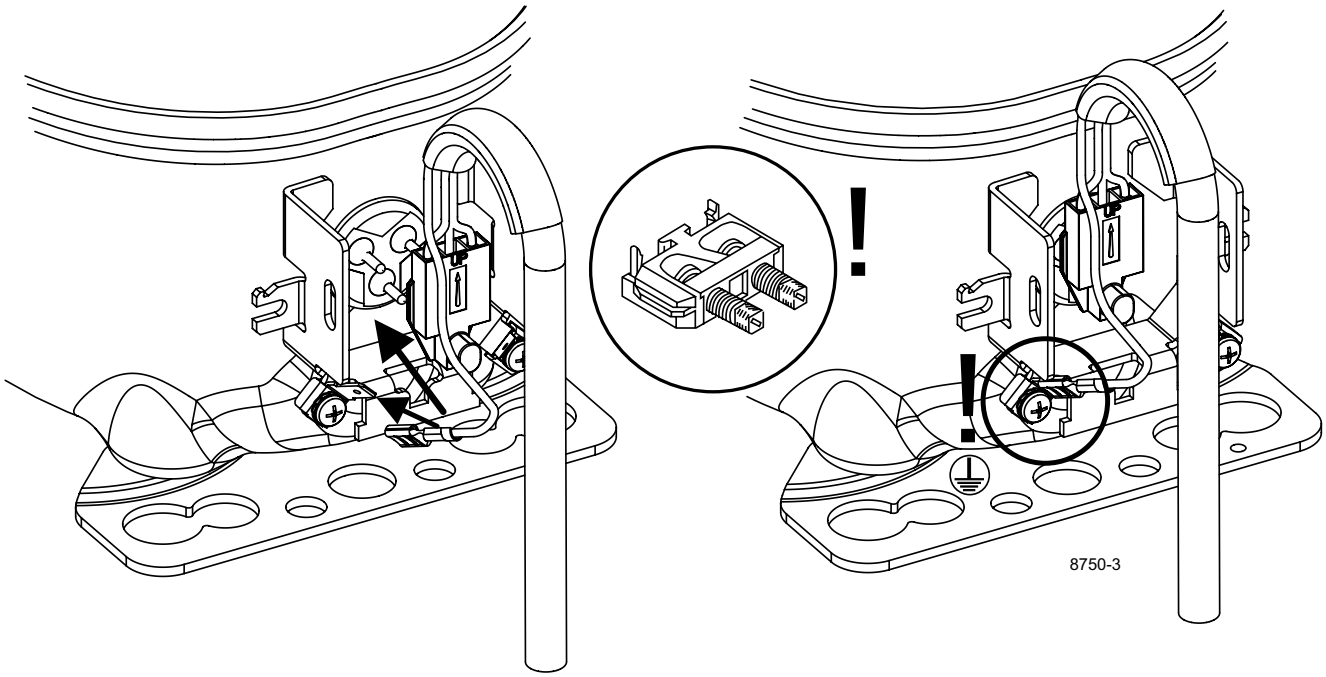
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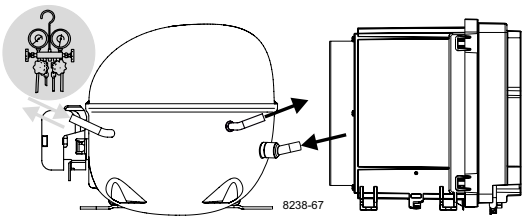
Keep electrical equipment clear from oil, chemicals, and water











Instructions

NLV/MN-UV Compressors
100-240 V, 50/60 Hz
105N4962/105N4966/
105N4972 Controllers

SECOP

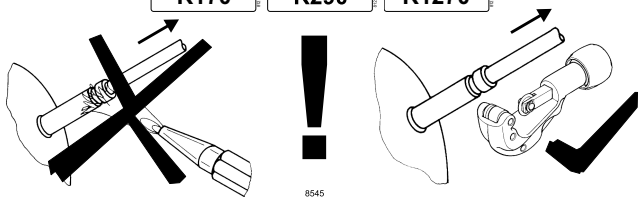
Keep electrical equipment clear from oil, chemicals, and water



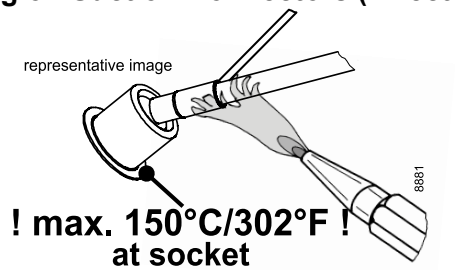
Service/Repair – R170, R290, R1270

(applies to all flammable refrigerants)





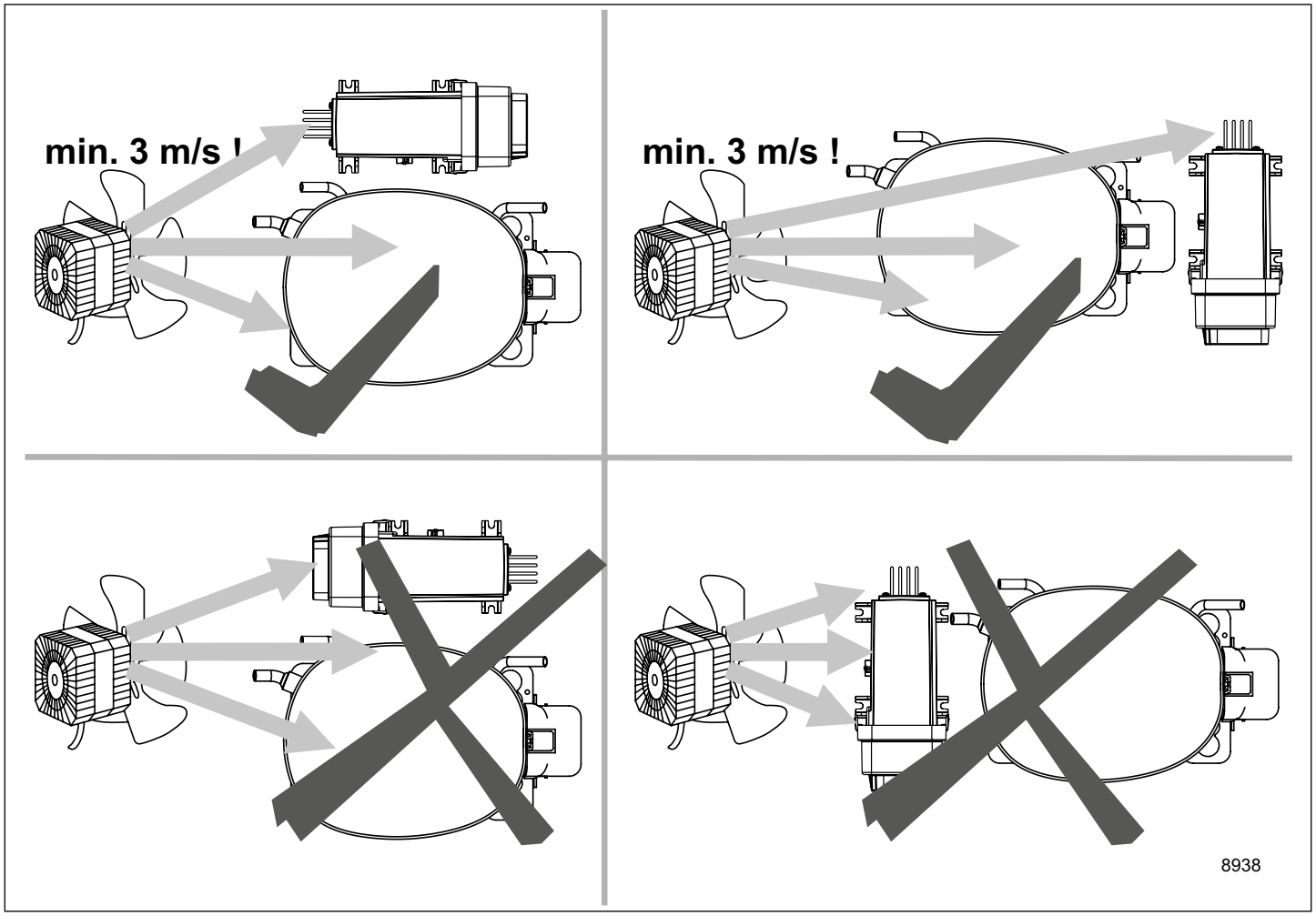
Brazing on Suction Connectors (Direct Intake)



! max. 150°C/302°F ! at socket

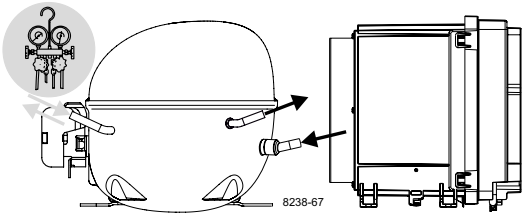
brazing solder: phosphor (LP7) or silver

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



Airflow	3 m/s
Operating conditions	+ 5 °C to 43 °C - humidity < 90 % rH non condensing
Storage conditions	-25 °C to 70 °C - humidity < 90 % rH non condensing
Supply voltage	100-240 V (± 10 %)
Frequency	50/60 Hz
Input power, max.	1000 W

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**



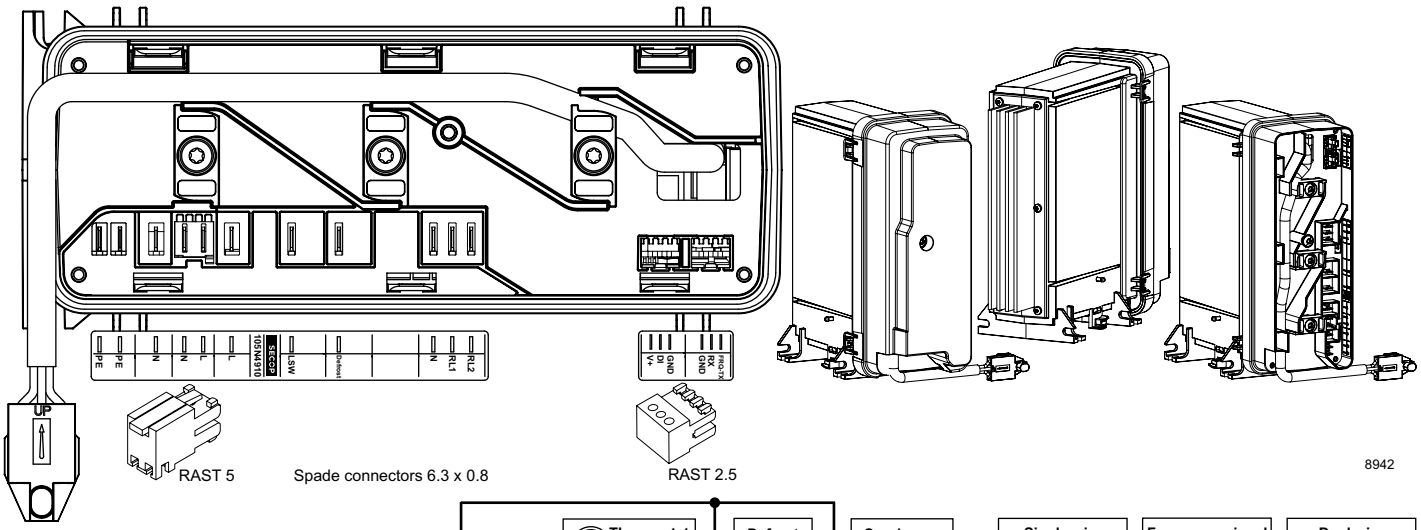
Instructions

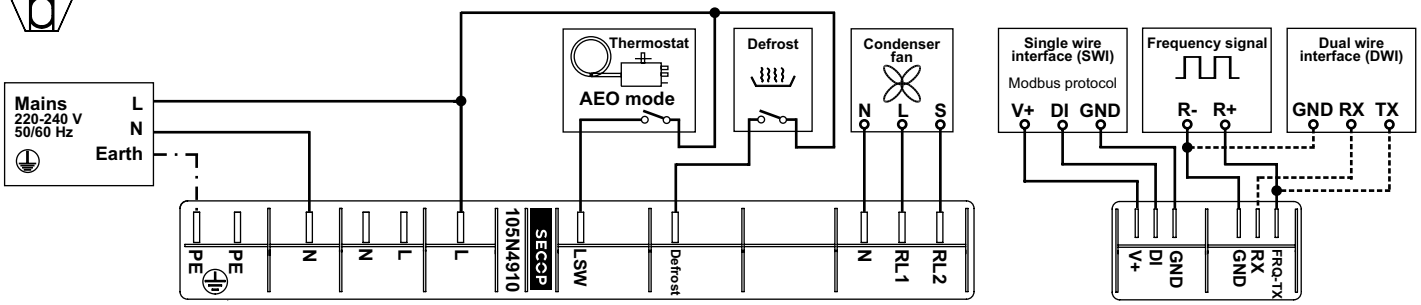
NLV/MN-UV Compressors
220-240 V, 50/60 Hz
105N491x Series
Controllers

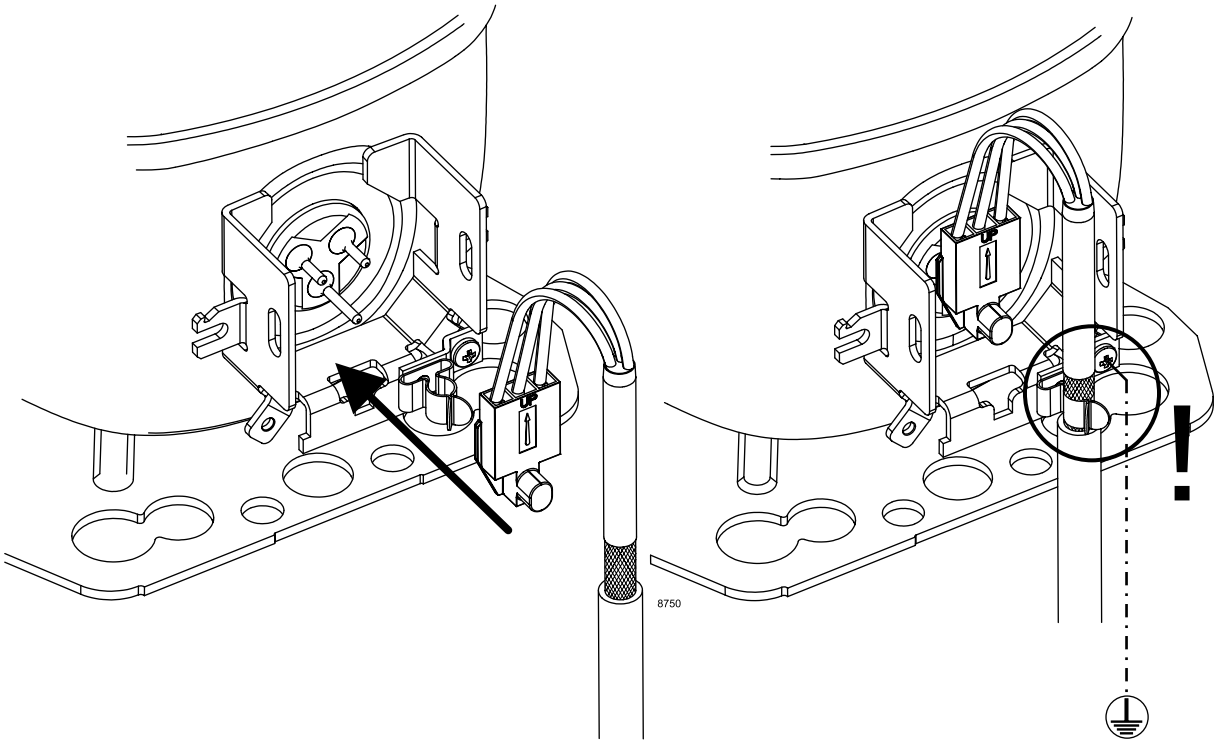
SECOP

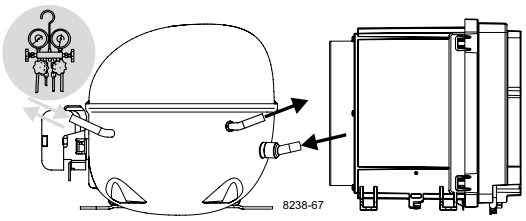
Keep electrical equipment clear from oil, chemicals, and water











Instructions

NLV/MN-UV Compressors
220-240 V, 50/60 Hz
105N491x Series
Controllers

SECOP

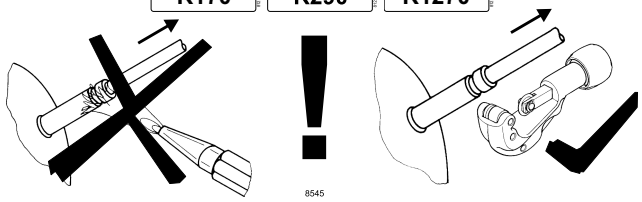
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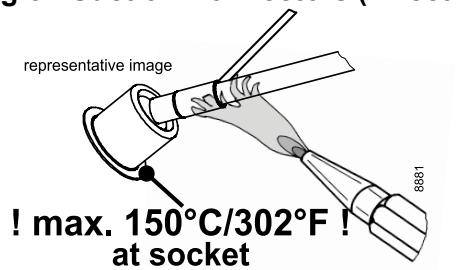
Service/Repair – R170, R290, R1270

(applies to all flammable refrigerants)





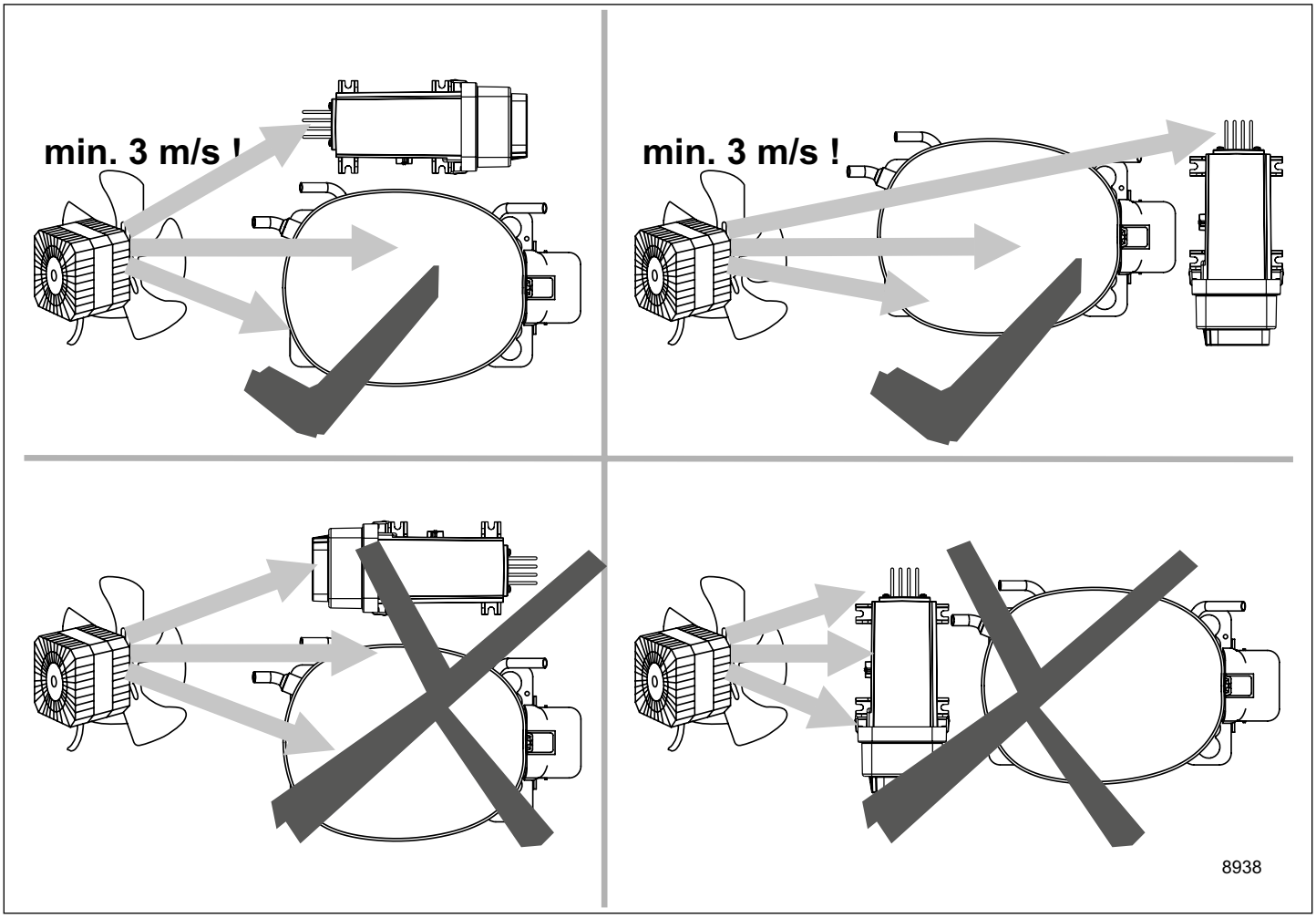
Brazing on Suction Connectors (Direct Intake)



! max. 150°C/302°F ! at socket

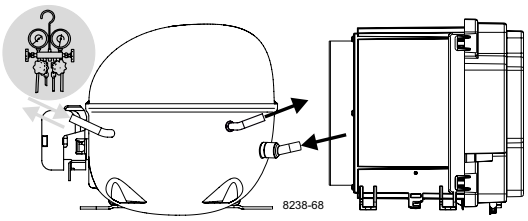
brazing solder: phosphor (LP7) or silver

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



Airflow	3 m/s
Operating conditions	+ 5 °C to 43 °C - humidity < 90 % rH non condensing
Storage conditions	-25 °C to 70 °C - humidity < 90 % rH non condensing
Supply voltage	220-240 V (± 10 %)
Frequency	50/60 Hz
Input power, max.	1000 W

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**



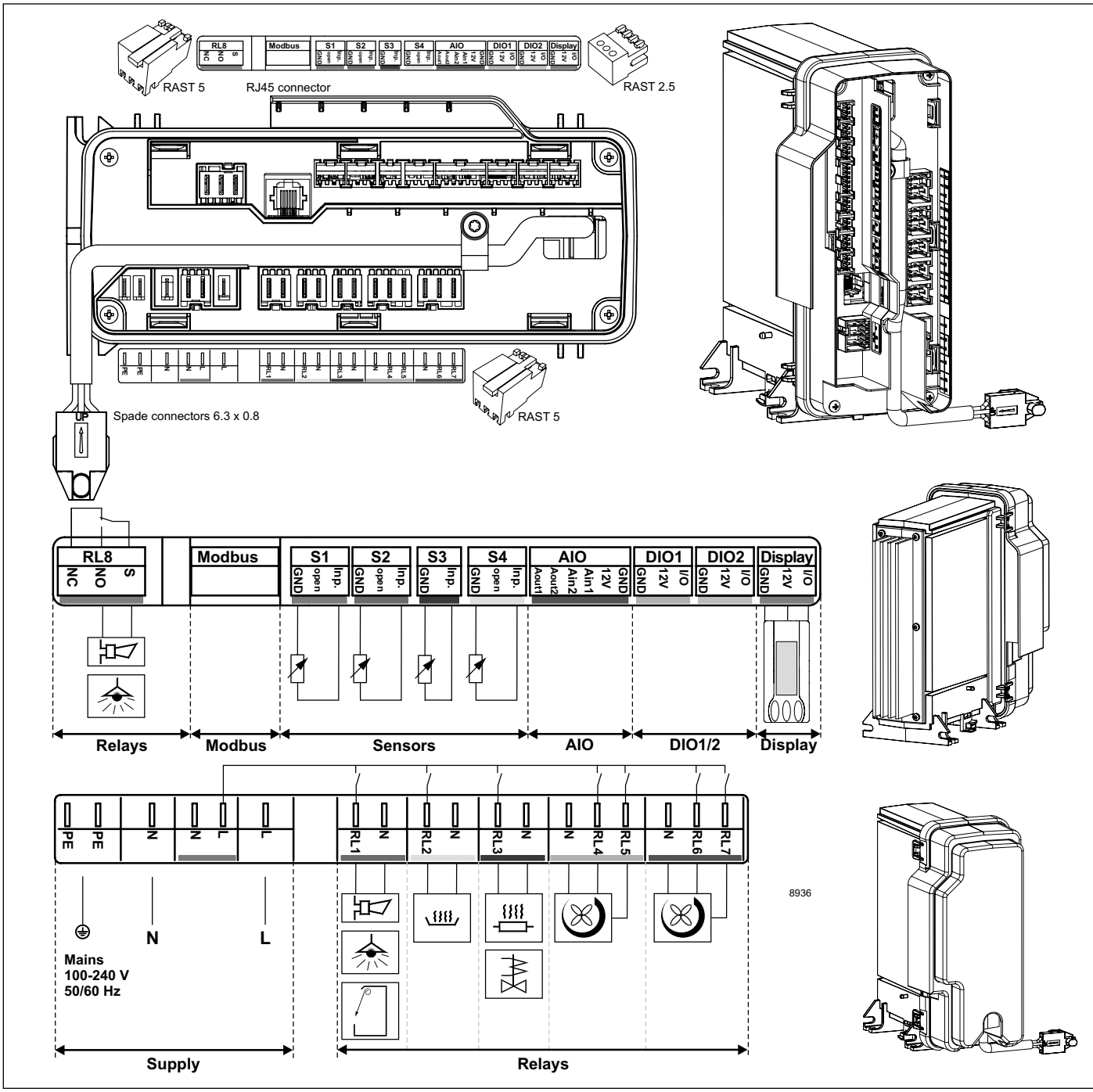
Instructions

NLV Compressors
100-240 V, 50/60 Hz
105N486x Series
Controllers

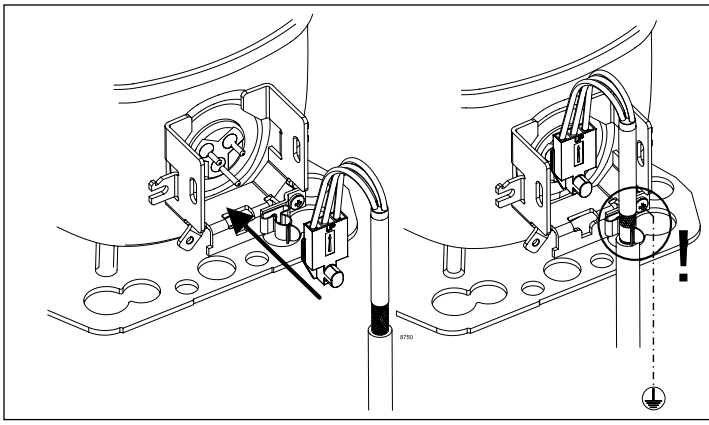
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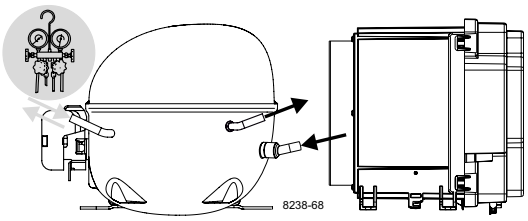
Keep electrical equipment clear from oil, chemicals, and water





Mains	red	**S1**	red
RL 1	blue	**S2**	blue
RL 2	yellow	**S3**	black
RL 3	black	**S4**	yellow
RL 4, 5	grey	**AIO**	brown
RL 6, 7	brown	**DIO1**	grey
RL 8	green	**DIO2**	pink
		Display	green





Instructions

NLV Compressors
100-240 V, 50/60 Hz
105N486x Series
Controllers

SECOP

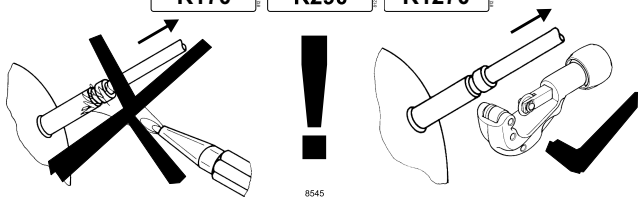
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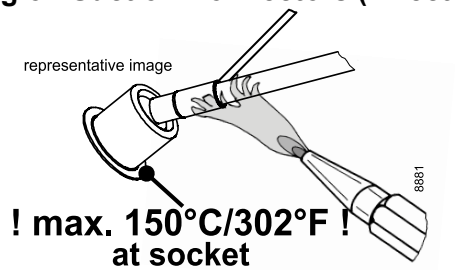
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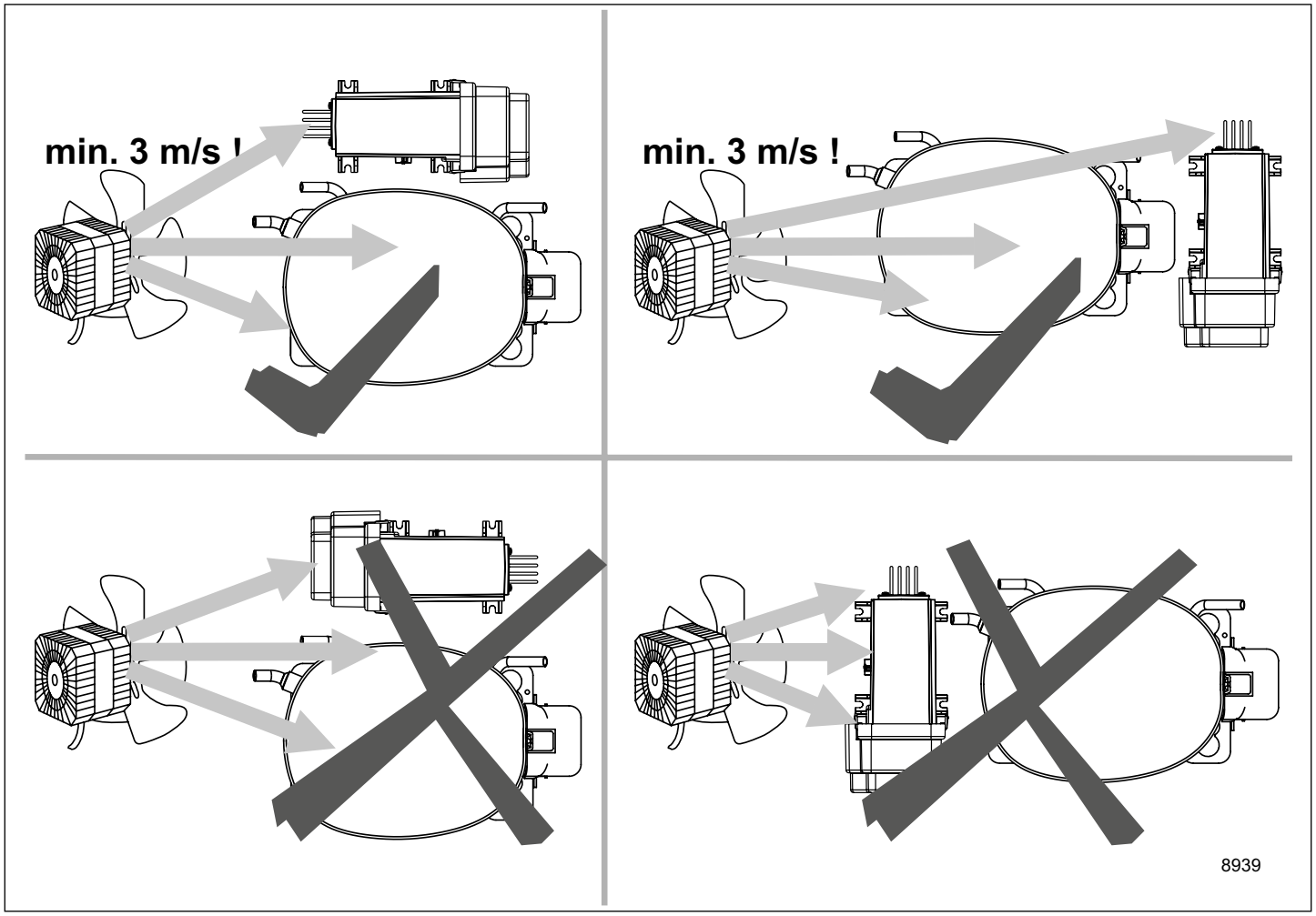
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