Single
Packs

Single Pack HTK95AA 220-240V 50Hz RSIR

Single pack code number: **195B4678**

Position	Title	Code	Amount
1	Compressor HTK95AA	16070700	1
2	Terminal board 4.8mm	15164300	1
3	Screw for cable clamp	10636000	1
4	Screw for cable clamp	10636200	1
5	Cable clamp	11341000	1
6	Cover	10636401	1
7	Earth screw	10641201	1
8	Clip	10633900	4
9	Steel pin	10634100	4
10	Washer	10634300	4
11	Rubber grommet 16mm	11322600	4

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Model
HTK95AA

Sales code:
16070700

Compressor Data

Refrigerant(s)	**R600a**
Refr. charge - tech. limit	**150g / 5.29oz**
Weight	**8.30 kg / 18.30lbs**
Displacement	**9.60 cm3 / 0.59cu.in**
Compressors on pallet	**100**

General – Configurations With HTK95AA

–	**Conf. 1**	**Conf. 2**
Motor configuration	RSIR	RSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	187-264 V	187-264 V
Approvals	VDE	VDE
Starting torque	LST	LST
Refrigerant	R600a	R600a
Application	LBP	LBP

Application Notes

- Various options of connectors are possible - please contact SECOP-Sales.
- Provision for PE Grounding is located at the PE Stamp on the compressor
- Housing with dip-tray fixture (omega bracket).
- Various options of connectors are possible - please contact SECOP-Sales.

Model
HTK95AA

Sales code:
16070700

Compressor Design

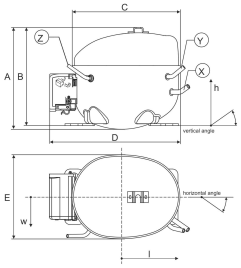
Oil type	**Mineral**	Winding resistance main	**19.3 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**11.3 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,600 cm3 / 54.10fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

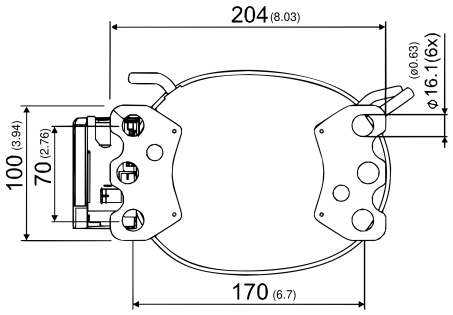
A Height	**182mm / 7.17in**
B Height	**175mm / 6.89in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



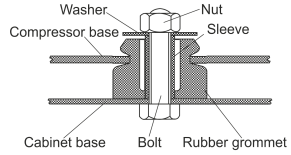
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.16–6.24 / 0.24–0.25in	øi 5.1–5.2 / 0.20–0.20in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	54°	35°	45°
Vertical angle ±2°	35°	40°	35°
Position l/h/w [mm]	120/92/56.7 / 4.72/3.62/2.23in	112/105.5/81 / 4.41/4.15/3.19in	-86/94.3/72 / -3.39/3.71/2.83in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	13.5 / 0.53in

Mounting Accessories

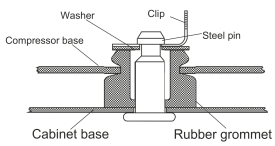


Dimensions in mm [in]

Bolt joint



Snap-on



	one comp.	multi pack
'4ZN' with rubber grommet	–	772N
'4ZN' with rubber grommet and sleeve for M6	–	768N
Bolt joint kit	–	4ZN + 118-1917 (18)
'4ZN' with Snap on kit	–	776N

Model
HTK95AA Configuration 1

Sales code:
16070700

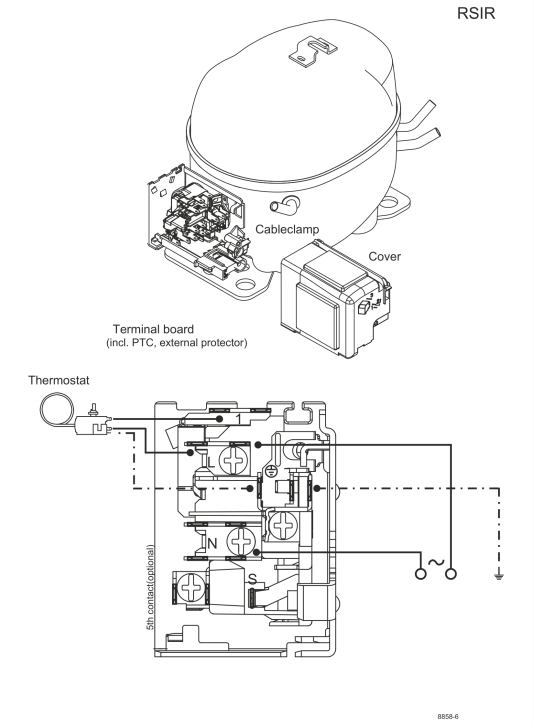
Configuration

Motor configuration	**RSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**187-264 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**PTC**
Run capacitor	**-/-**
Start capacitor	**-/-**
RLA (rated load amps / 1s/ U(N))	**-/-A**

Ambient/ machine room temperatures minimum /maximum
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling
static

Electrical Accessories / Wiring Diagram



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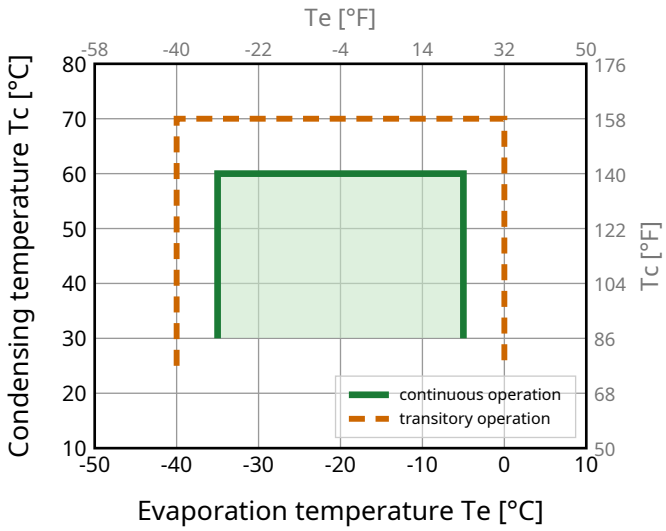
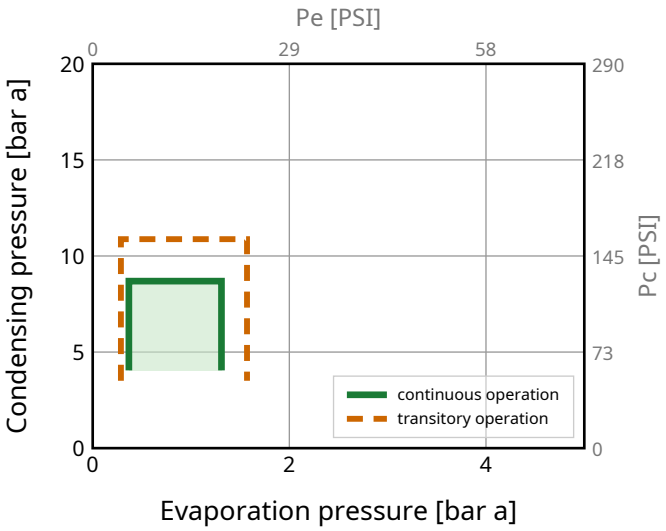
Components
. terminal board (PTC, 4.8mm) 15164300
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200
. screw uni en iso 4757 10641201

Alternative components
. terminal board (PTC, 6.3mm) 15162300

Operation Pressure Range





Model

HTK95AA Configuration 1

Sales code:

16070700

Standard Conditions

R600a, 220 V/50 Hz, RSIR, static

pe	pc	RGT	Tliq	Cooling capacity			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	**167**	570	144	**1.64**	5.60	102	0.67	1.79	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**126**	428	108	**1.28**	4.38	98	0.65	1.64	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**87**	297	75	**1.17**	3.99	74	0.56	1.06	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**134**	458	115	**1.38**	4.71	97	0.66	1.96	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**173**	591	149	**1.90**	6.47	91	0.65	1.86	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**83**	284	72	**1.11**	3.79	75	0.54	0.99	**opt LBP**

Performance Tables

R600a, 220 V/50 Hz, RSIR, static

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	**83**	284	72	**1.11**	3.79	75	0.54	0.99
-30	-22	**109**	371	94	**1.33**	4.55	82	0.59	1.29
-25	-13	**142**	483	122	**1.56**	5.32	91	0.64	1.69
-20	-4	**182**	620	156	**1.78**	6.09	102	0.69	2.17
-15	5	**229**	780	197	**2.01**	6.85	114	0.74	2.73
-10	14	**283**	966	243	**2.23**	7.62	127	0.80	3.39
-5	23	**345**	1176	296	**2.47**	8.42	140	0.85	4.14

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

-35	-31	**70**	241	61	**0.93**	3.17	76	0.53	0.92
-30	-22	**95**	323	81	**1.10**	3.77	86	0.59	1.23
-25	-13	**126**	428	108	**1.28**	4.38	98	0.65	1.64
-20	-4	**163**	555	140	**1.46**	4.98	112	0.71	2.13
-15	5	**207**	705	178	**1.63**	5.57	126	0.78	2.70
-10	14	**257**	877	221	**1.81**	6.18	142	0.84	3.37
-5	23	**314**	1070	270	**2.00**	6.81	157	0.91	4.13

Model

HTK95AA Configuration 2

Sales code:

16070700

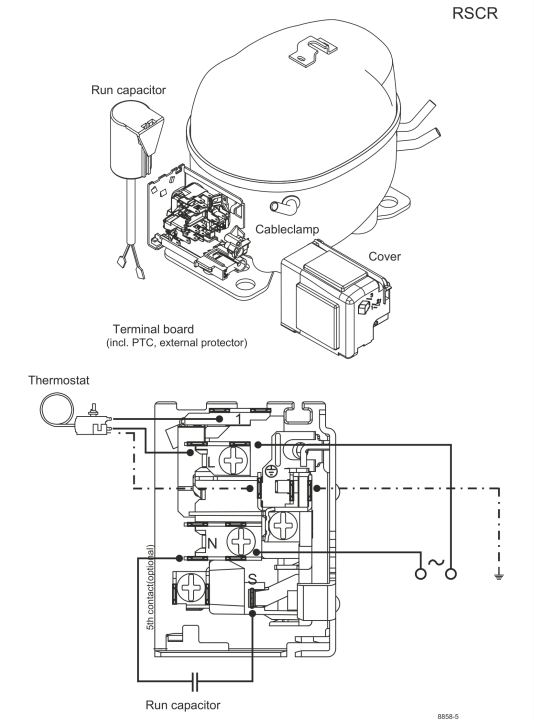
Configuration

Motor configuration	**RSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**187-264 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**PTC**
Run capacitor	**4 µF**
Start capacitor	**-/-**
RLA (rated load amps / 1s/ U(N))	**-/-A**

Ambient/ machine room temperatures minimum /maximum
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling
static

Electrical Accessories / Wiring Diagram



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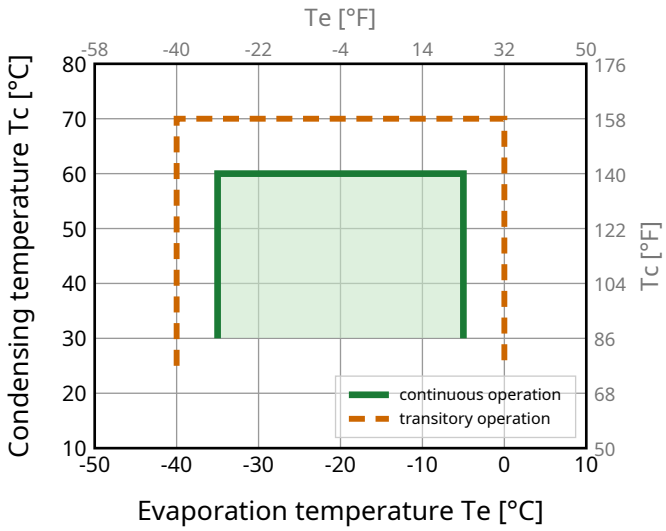
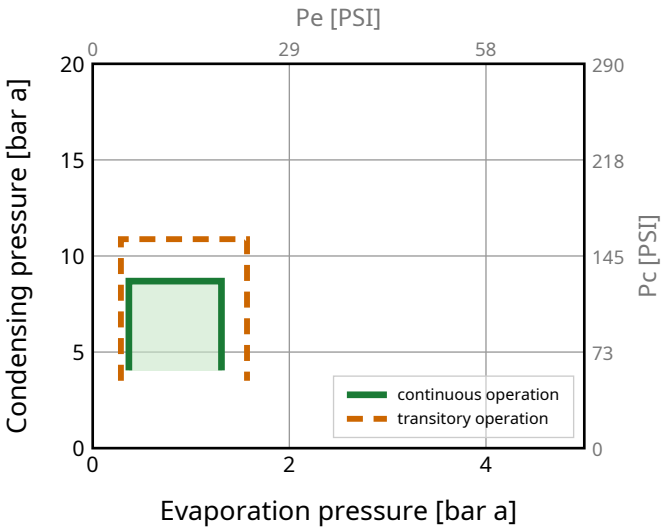
Components
. terminal board (PTC, 4.8mm) 15164300
. run capacitor (4µF, 4.8mm) 10693001
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HTK95AA Configuration 2

Sales code:
16070700

Standard Conditions

R600a, 220 V/50 Hz, RSCR, static

pe	pc	RGT	Tliq	Cooling capacity			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	**167**	570	144	**1.70**	5.80	98	0.48	1.79	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**126**	428	108	**1.33**	4.55	94	0.47	1.64	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**87**	297	75	**1.22**	4.16	71	0.40	1.06	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**134**	458	115	**1.43**	4.87	94	0.48	1.96	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**173**	591	149	**1.95**	6.65	89	0.47	1.86	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**83**	284	72	**1.16**	3.97	72	0.39	0.99	**opt LBP**

Performance Tables

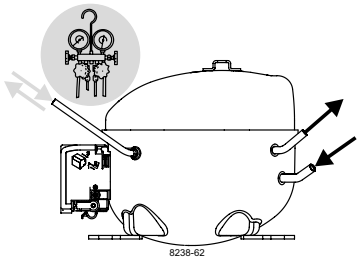
R600a, 220 V/50 Hz, RSCR, static

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	**83**	284	72	**1.16**	3.97	72	0.39	0.99
-30	-22	**109**	371	94	**1.39**	4.73	78	0.43	1.29
-25	-13	**142**	483	122	**1.61**	5.50	88	0.46	1.69
-20	-4	**182**	620	156	**1.84**	6.26	99	0.50	2.17
-15	5	**229**	780	197	**2.06**	7.02	111	0.53	2.73
-10	14	**283**	966	243	**2.28**	7.79	124	0.57	3.39
-5	23	**345**	1176	296	**2.52**	8.59	137	0.61	4.14

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

-35	-31	**70**	241	61	**0.99**	3.37	71	0.38	0.92
-30	-22	**95**	323	81	**1.16**	3.96	82	0.42	1.23
-25	-13	**126**	428	108	**1.33**	4.55	94	0.47	1.64
-20	-4	**163**	555	140	**1.51**	5.14	108	0.52	2.13
-15	5	**207**	705	178	**1.68**	5.73	123	0.56	2.70
-10	14	**257**	877	221	**1.85**	6.33	139	0.61	3.37
-5	23	**314**	1070	270	**2.04**	6.95	154	0.66	4.13



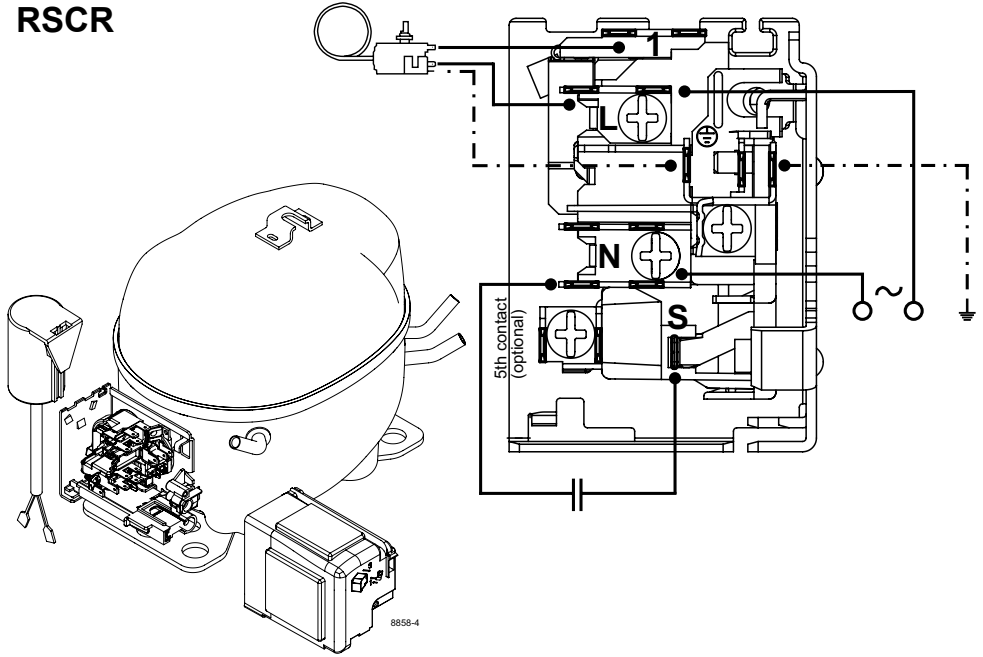
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

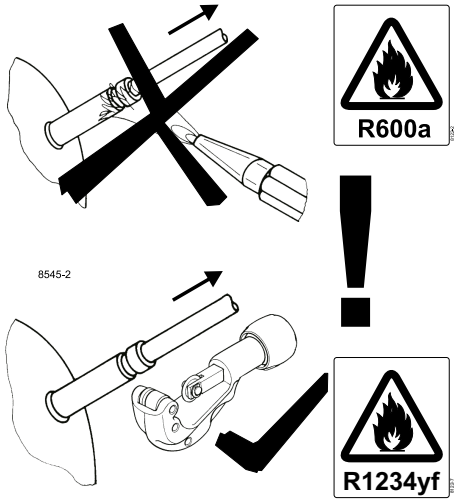
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

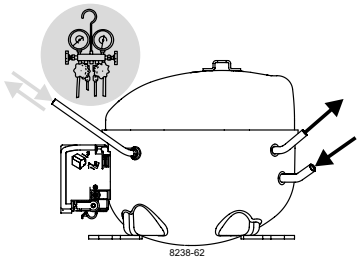
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

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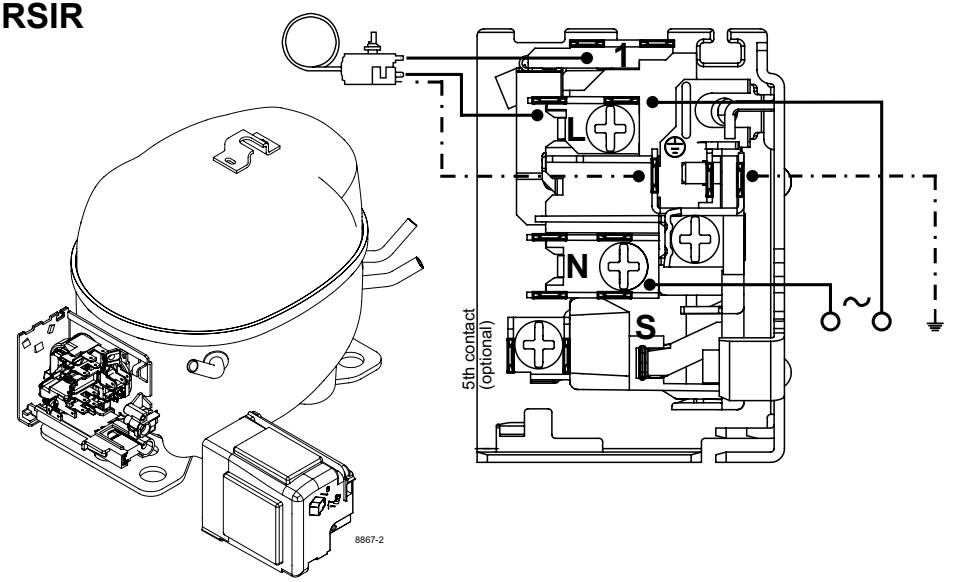
RSIR



Service/Repair – R600a, R1234yf

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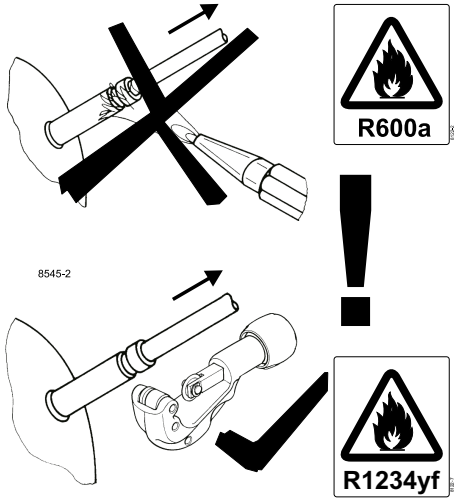

Dismantling, recycling, disposal: At the end of a compressor's lifecycle, proceed by separating and storing components according to their environmental impact. Parts that may cause pollution must be clearly identified and handled separately, ensuring appropriate disposal. Refrigerant gas must not be 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**