Single
Packs

Single Pack HXK13AT 200-240V 50Hz RSCR

Single pack code number: **195B4621**

Position	Title	Code	Amount
1	Compressor HXK13AT	16507700	1
2	Terminal board 6.3mm	16425700	1
3	Run capacitor (4µF 400V, 6.3mm)	15186801	1
4	Screw for cable clamp	10636000	1
5	Screw for cable clamp	10636200	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
HXK13AT

Sales code:
16507700

Compressor Data

Refrigerant(s)	**R600a**
Refr. charge - tech. limit	**150g / 5.29oz**
Weight	**8.60 kg / 18.96lbs**
Displacement	**12.50 cm3 / 0.76cu.in**
Compressors on pallet	**100**

General – Configurations With HXK13AT

–	**Conf. 1**
Motor configuration	RSCR
Power supply (nominal)	200-240 V/50 Hz
Number of phases	1
Voltage range	180-264 V
Approvals	VDE
Starting torque	LST
Refrigerant	R600a
Application	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.

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Compressor Design

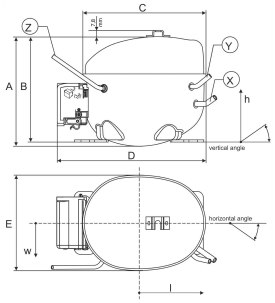
Oil type	**Mineral**	Winding resistance main	**12.4 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**15.3 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,560 cm3 / 52.75fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

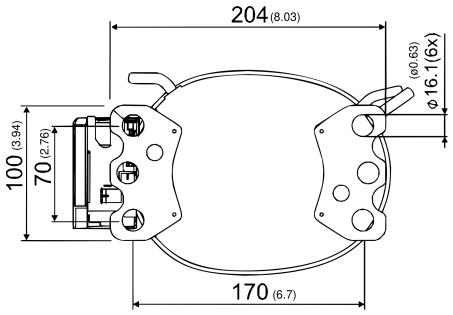
A Height	**174mm / 6.85in**
B Height	**167mm / 6.57in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



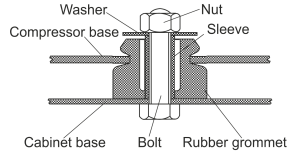
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70 / -5.51/5.35/2.76in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	75 / 2.95in

Mounting Accessories

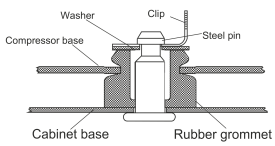


Dimensions in mm [in]

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
HXK13AT Configuration 1

Sales code:
16507700

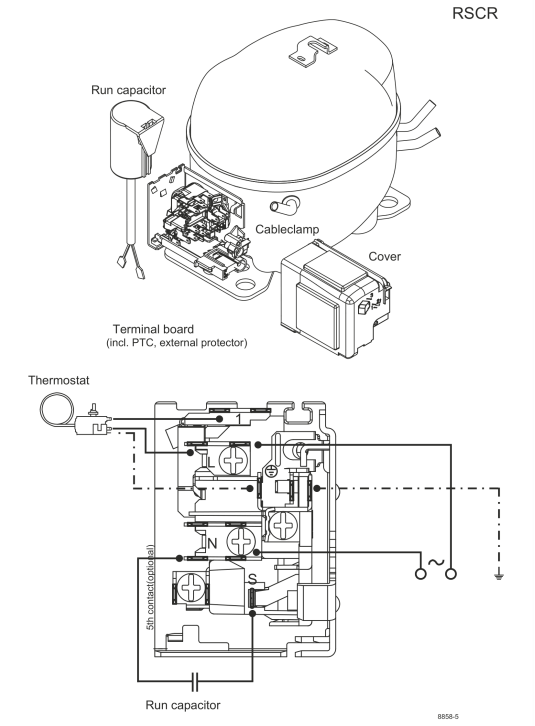
Configuration

Motor configuration	**RSCR**
Power supply (nominal)	**200-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**180-264 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**PTC**
Run capacitor	**4 µF**
Start capacitor	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**8.2 A**
Cut in current (U(N))	**16.4 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

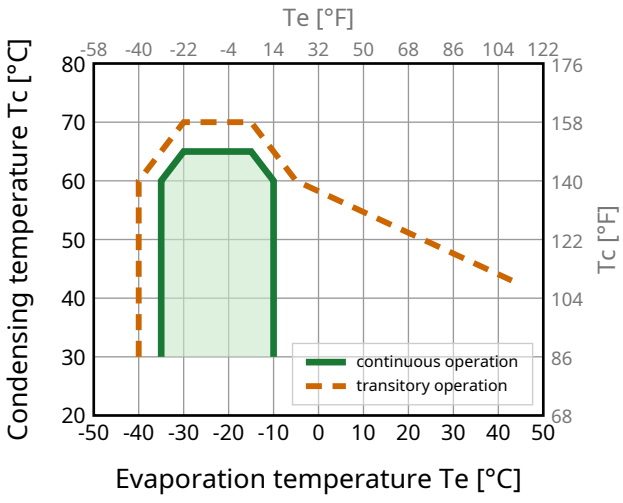


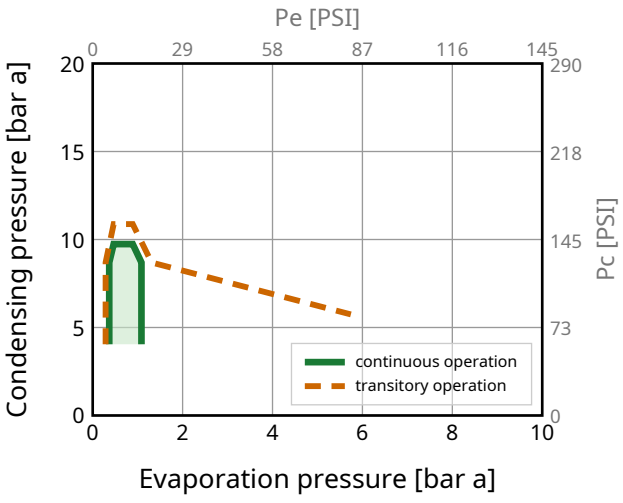
View full size

Components
. terminal board (PTC, 4.8mm) 16425900
. run capacitor (4µF, 4.8mm) 10693001
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. terminal board (PTC, 6.3mm) 16425700
. run capacitor (4µF, 6.3mm) 15186801
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK13AT Configuration 1

Sales code:
16507700

Standard Conditions

R600a, 200 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	**226**	772	195	**1.65**	5.61	138	0.74	2.43	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**171**	583	147	**1.30**	4.45	131	0.71	2.23	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**117**	400	101	**1.42**	4.86	82	0.46	1.43	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**182**	621	156	**1.34**	4.57	136	0.74	2.65	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**235**	801	202	**1.76**	6.02	133	0.72	2.52	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**113**	386	97	**1.31**	4.47	86	0.48	1.34	**opt LBP**

Performance Tables

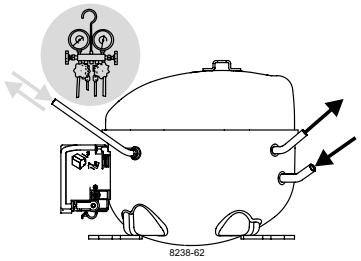
R600a, 200 V/50 Hz, RSCR, static

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	**113**	386	97	**1.31**	4.47	86	0.48	1.34
-30	-22	**149**	509	128	**1.39**	4.74	108	0.59	1.77
-25	-13	**193**	658	166	**1.51**	5.15	128	0.70	2.30
-20	-4	**245**	836	211	**1.66**	5.66	148	0.80	2.92
-15	5	**307**	1046	264	**1.83**	6.25	167	0.90	3.66
-10	14	**379**	1292	326	**2.02**	6.89	188	1.00	4.54

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

-35	-31	**96**	327	82	**0.99**	3.36	97	0.54	1.24
-30	-22	**130**	445	112	**1.15**	3.94	113	0.62	1.70
-25	-13	**171**	583	147	**1.30**	4.45	131	0.71	2.23
-20	-4	**218**	745	188	**1.44**	4.92	151	0.82	2.85
-15	5	**274**	934	235	**1.57**	5.34	175	0.94	3.58
-10	14	**338**	1154	291	**1.68**	5.72	202	1.07	4.44



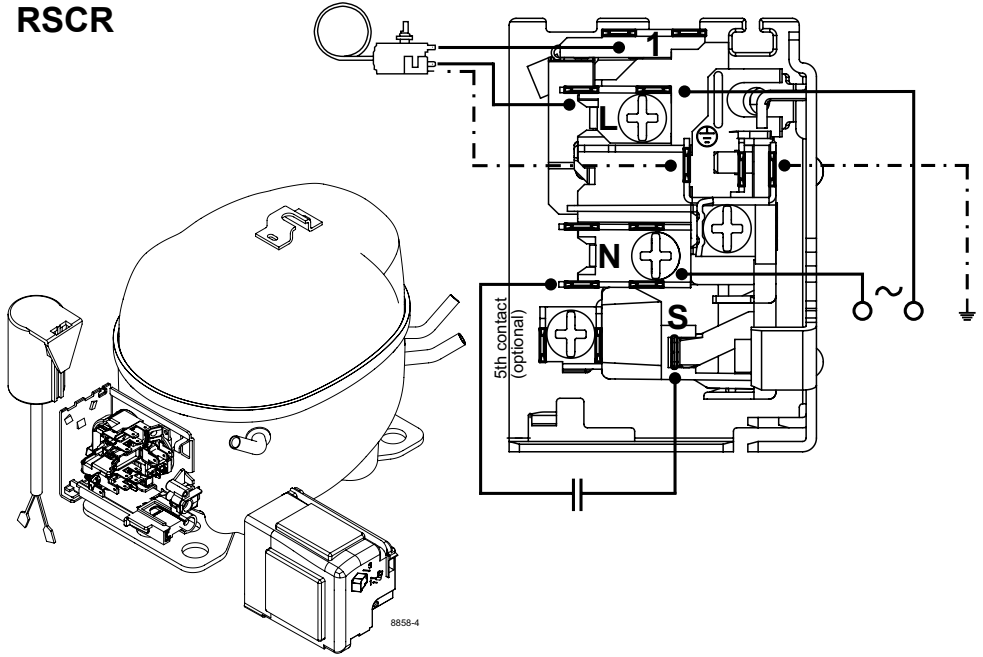
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

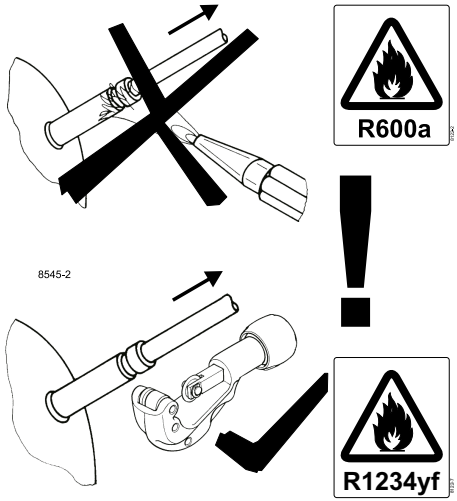
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

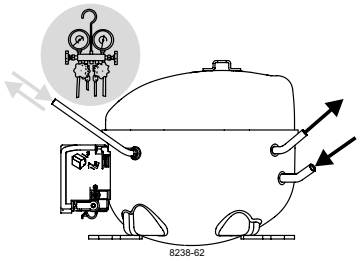
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





K-Series Compressors
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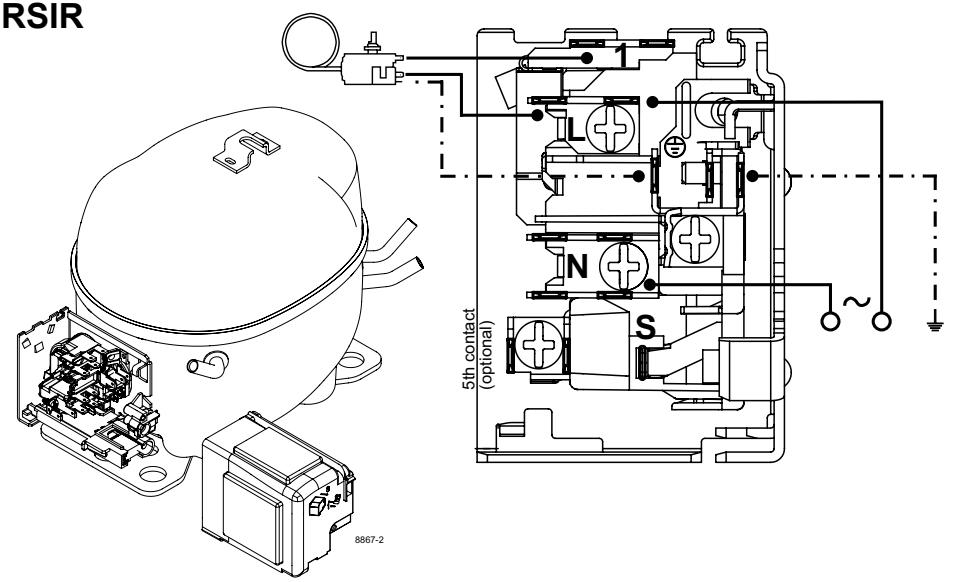
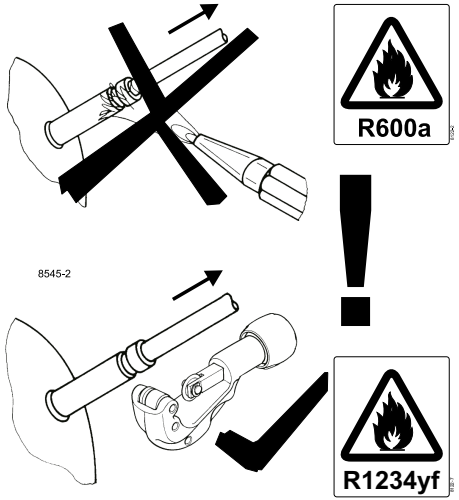
RSIR



Service/Repair – R600a, 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**