Single
Packs

Single Pack HXK70AT 200-240V 50Hz RSIR

Single pack code number: **195B4616**

Position	Title	Code	Amount
1	Compressor HXK70AT	16425000	1
2	Terminal board 6.3mm	15279300	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
HXK70AT

Sales code:
16425000

Compressor Data

Refrigerant(s)	**R600a**
Refr. charge - tech. limit	**150g / 5.29oz**
Weight	**8.20 kg / 18.08lbs**
Displacement	**6.64 cm3 / 0.41cu.in**
Compressors on pallet	**100**

General – Configurations With HXK70AT

–	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Motor configuration	RSIR	RSCR	RSIR	RSCR
Power supply (nominal)	200-240 V/50 Hz	200-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1	1	1
Voltage range	170-264 V	170-264 V	170-264 V	170-264 V
Approvals	VDE	VDE	VDE	VDE
Starting torque	LST	LST	LST	LST
Refrigerant	R600a	R600a	R600a	R600a
Application	LBP	LBP	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
HXK70AT

Sales code:
16425000

Compressor Design

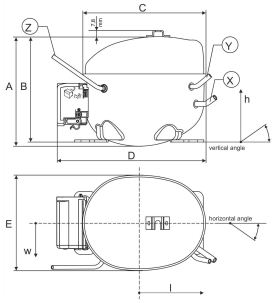
Oil type	**Mineral**	Winding resistance main	**24.3 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**13.8 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,620 m3 / 54.78fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

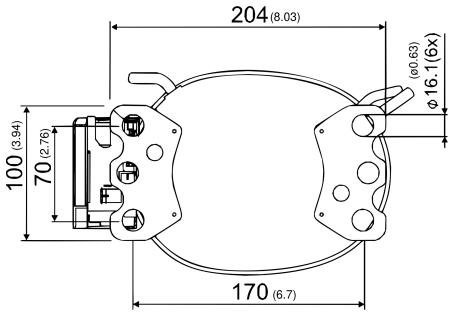
A Height	**174mm / 6.85in**
B Height	**167mm / 6.57in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



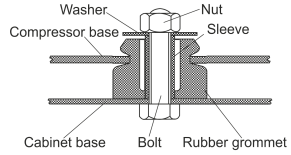
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

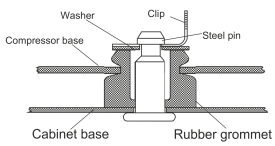


Dimensions in mm [in]

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
HXK70AT Configuration 1

Sales code:
16425000

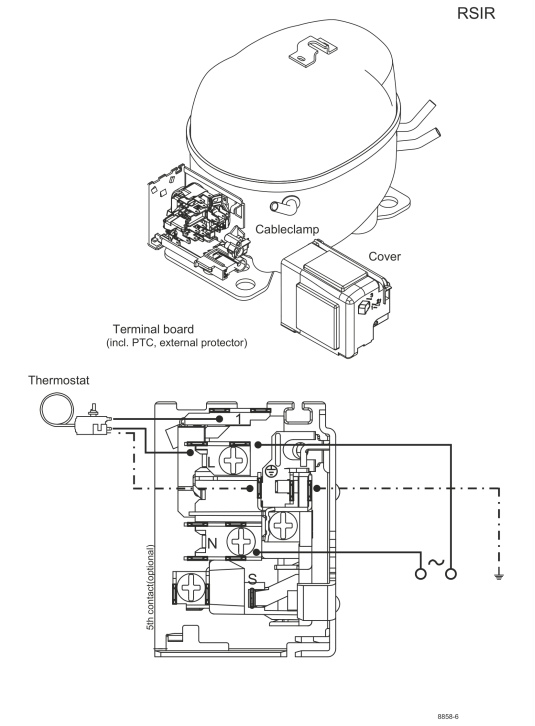
Configuration

Motor configuration	**RSIR**
Power supply (nominal)	**200-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**170-264 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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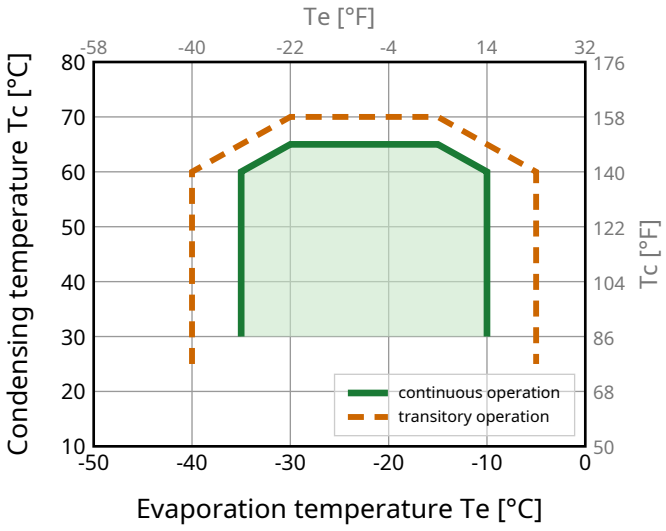
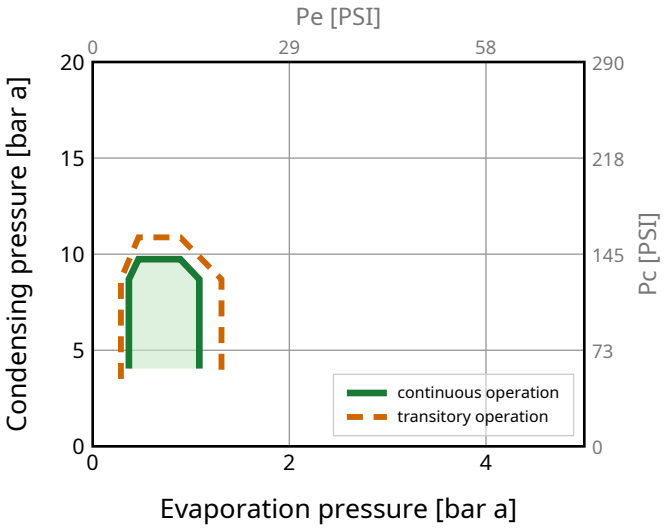
Components
. terminal board (PTC, 6.3mm) 15279300
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AT Configuration 1

Sales code:
16425000

Standard Conditions

R600a, 200 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	**118**	404	102	**1.64**	5.59	72	0.36	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	302	76	**1.28**	4.36	69	0.34	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	227	57	**1.29**	4.39	52	0.26	0.81	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	331	83	**1.37**	4.68	71	0.35	1.42	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**126**	430	108	**1.87**	6.39	67	0.34	1.35	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**64**	220	55	**1.23**	4.21	52	0.26	0.77	**opt LBP**

Performance Tables

R600a, 200 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	**64**	220	55	**1.23**	4.21	52	0.26	0.77
-30	-22	**81**	276	70	**1.36**	4.65	59	0.30	0.96
-25	-13	**103**	352	89	**1.55**	5.29	67	0.33	1.23
-20	-4	**132**	450	113	**1.77**	6.05	74	0.37	1.57
-15	5	**166**	568	143	**2.03**	6.93	82	0.40	1.99
-10	14	**208**	708	179	**2.31**	7.89	90	0.43	2.48

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

-35	-31	**48**	164	41	**0.95**	3.23	51	0.26	0.62
-30	-22	**66**	226	57	**1.11**	3.77	60	0.30	0.86
-25	-13	**88**	302	76	**1.28**	4.36	69	0.34	1.15
-20	-4	**115**	393	99	**1.46**	5.00	79	0.38	1.50
-15	5	**146**	498	126	**1.66**	5.66	88	0.43	1.91
-10	14	**181**	619	156	**1.86**	6.36	97	0.47	2.38

Model
HXK70AT Configuration 2

Sales code:
16425000

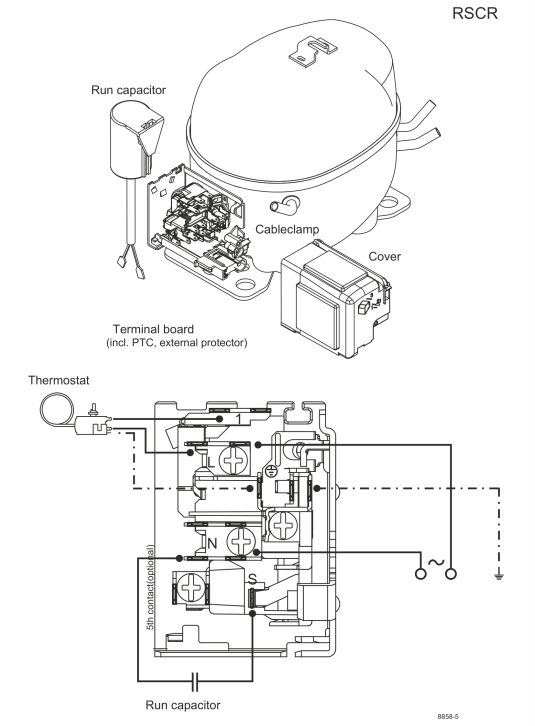
Configuration

Motor configuration	**RSCR**
Power supply (nominal)	**200-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**170-264 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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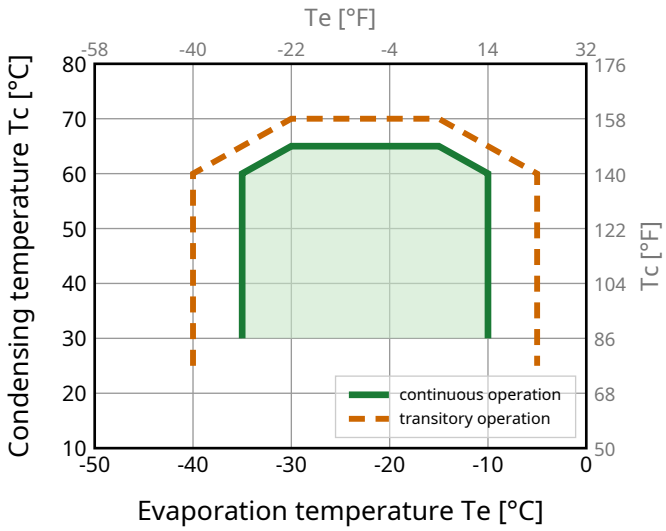
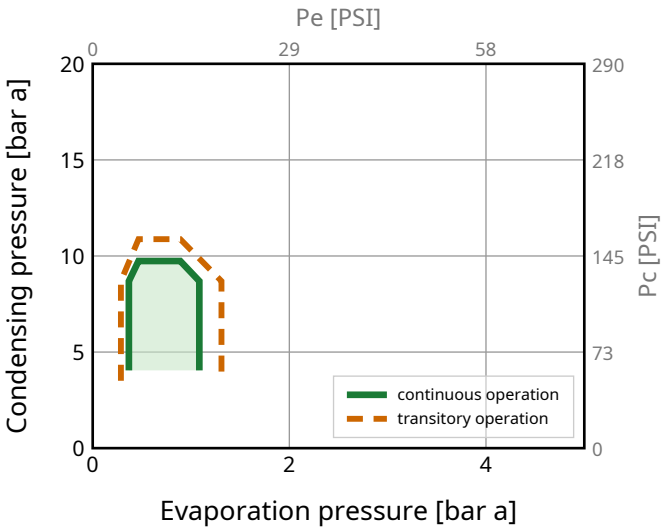
Components
. terminal board (PTC, 6.3mm) 15279300
. run capacitor (4µF, 6.3mm) 15186801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AT Configuration 2

Sales code:
16425000

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	**118**	404	102	**1.72**	5.85	69	0.34	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	302	76	**1.34**	4.58	66	0.33	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	227	57	**1.35**	4.61	49	0.25	0.81	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	331	83	**1.44**	4.91	67	0.33	1.42	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**126**	430	108	**1.96**	6.70	64	0.32	1.35	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**64**	220	55	**1.29**	4.42	50	0.25	0.77	**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	**64**	220	55	**1.29**	4.42	50	0.25	0.77
-30	-22	**81**	276	70	**1.43**	4.88	56	0.28	0.96
-25	-13	**103**	352	89	**1.62**	5.54	64	0.32	1.23
-20	-4	**132**	450	113	**1.86**	6.35	71	0.35	1.57
-15	5	**166**	568	143	**2.13**	7.26	78	0.38	1.99
-10	14	**208**	708	179	**2.42**	8.27	86	0.41	2.48

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

-35	-31	**48**	164	41	**0.99**	3.39	48	0.24	0.62
-30	-22	**66**	226	57	**1.16**	3.96	57	0.29	0.86
-25	-13	**88**	302	76	**1.34**	4.58	66	0.33	1.15
-20	-4	**115**	393	99	**1.53**	5.24	75	0.37	1.50
-15	5	**146**	498	126	**1.74**	5.94	84	0.41	1.91
-10	14	**181**	619	156	**1.96**	6.67	93	0.45	2.38

Model
HXK70AT Configuration 3

Sales code:
16425000

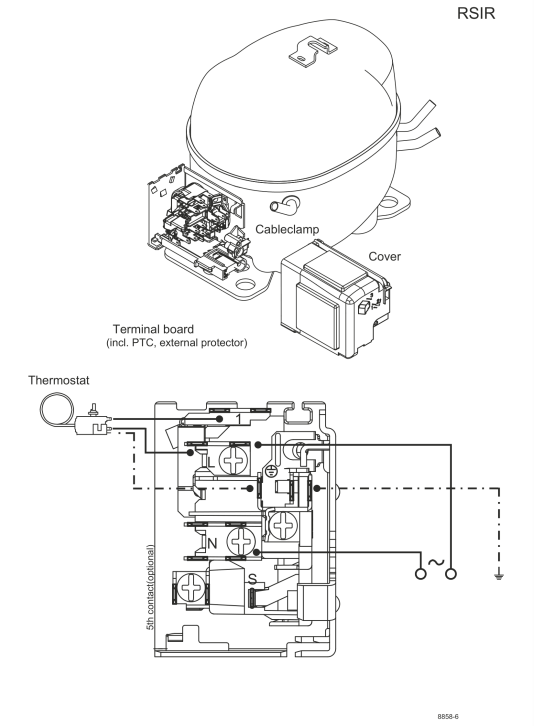
Configuration

Motor configuration	**RSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**170-264 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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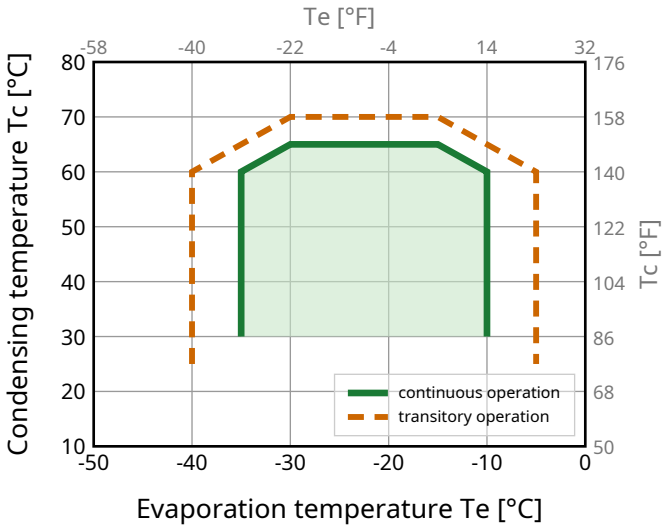
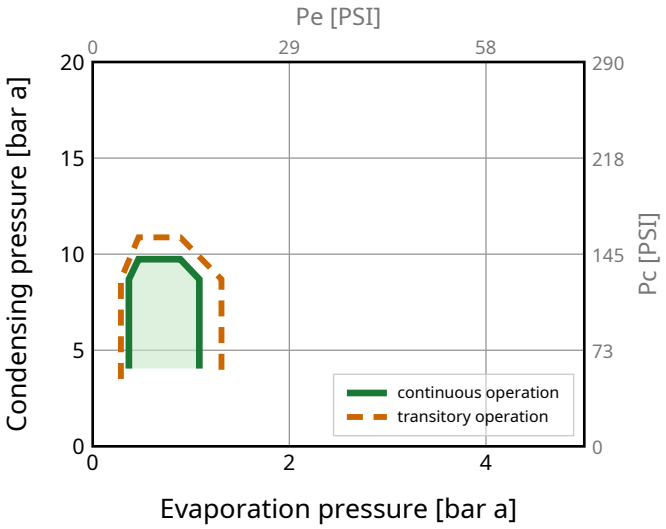
Components
. terminal board (PTC, 6.3mm) 15279300
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AT Configuration 3

Sales code:
16425000

Standard Conditions

R600a, 230 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	**118**	401	101	**1.57**	5.36	75	0.37	1.26	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	300	76	**1.23**	4.19	72	0.36	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	225	57	**1.24**	4.21	53	0.27	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**96**	329	83	**1.32**	4.49	73	0.36	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**125**	427	108	**1.80**	6.13	70	0.35	1.34	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**64**	218	55	**1.19**	4.04	54	0.27	0.76	**opt LBP**

Performance Tables

R600a, 230 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	**64**	218	55	**1.19**	4.04	54	0.27	0.76
-30	-22	**80**	274	69	**1.31**	4.47	61	0.31	0.95
-25	-13	**103**	350	88	**1.49**	5.07	69	0.35	1.22
-20	-4	**131**	447	113	**1.70**	5.81	77	0.38	1.56
-15	5	**165**	564	142	**1.95**	6.65	85	0.42	1.98
-10	14	**206**	703	177	**2.22**	7.57	93	0.45	2.47

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

-35	-31	**48**	163	41	**0.91**	3.10	52	0.27	0.62
-30	-22	**66**	225	57	**1.06**	3.62	62	0.31	0.86
-25	-13	**88**	300	76	**1.23**	4.19	72	0.36	1.15
-20	-4	**114**	390	98	**1.41**	4.79	81	0.40	1.49
-15	5	**145**	495	125	**1.59**	5.43	91	0.44	1.90
-10	14	**180**	615	155	**1.79**	6.11	101	0.49	2.36

Model
HXK70AT Configuration 4

Sales code:
16425000

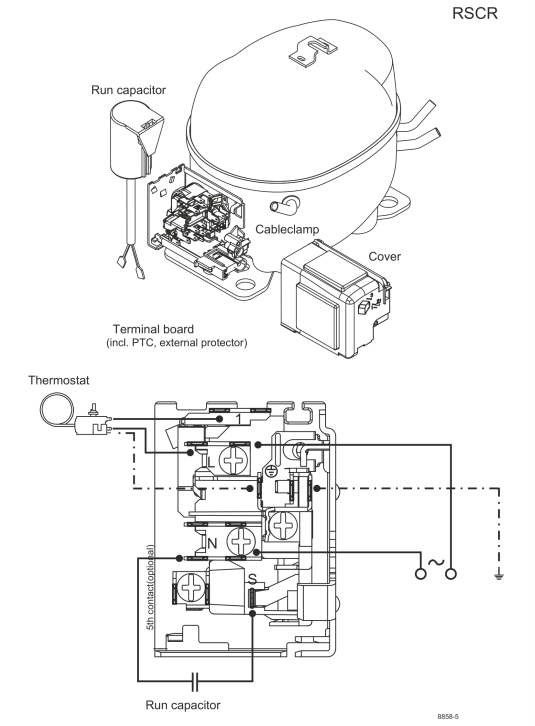
Configuration

Motor configuration	**RSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**170-264 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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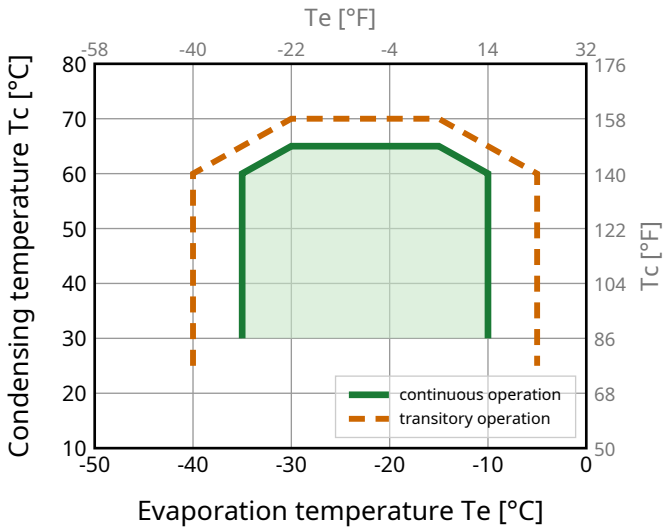
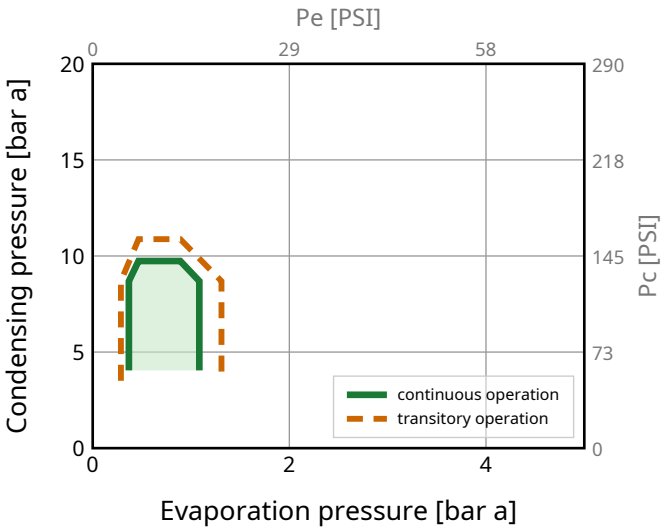
Components
. terminal board (PTC, 6.3mm) 15279300
. run capacitor (4µF, 6.3mm) 15186801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AT Configuration 4

Sales code:
16425000

Standard Conditions

R600a, 230 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	**118**	401	101	**1.65**	5.62	71	0.35	1.26	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	300	76	**1.29**	4.39	68	0.34	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	225	57	**1.29**	4.42	51	0.26	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**96**	329	83	**1.38**	4.71	70	0.35	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**125**	427	108	**1.89**	6.43	66	0.34	1.34	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**64**	218	55	**1.24**	4.24	52	0.26	0.76	**opt LBP**

Performance Tables

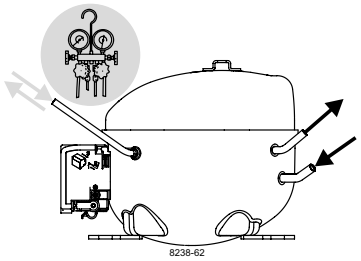
R600a, 230 V/50 Hz, RSCR, static

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	**64**	218	55	**1.24**	4.24	52	0.26	0.76
-30	-22	**80**	274	69	**1.37**	4.68	58	0.30	0.95
-25	-13	**103**	350	88	**1.56**	5.32	66	0.33	1.22
-20	-4	**131**	447	113	**1.79**	6.09	73	0.36	1.56
-15	5	**165**	564	142	**2.04**	6.97	81	0.40	1.98
-10	14	**206**	703	177	**2.33**	7.94	89	0.43	2.47

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

-35	-31	**48**	163	41	**0.95**	3.26	50	0.25	0.62
-30	-22	**66**	225	57	**1.11**	3.80	59	0.30	0.86
-25	-13	**88**	300	76	**1.29**	4.39	68	0.34	1.15
-20	-4	**114**	390	98	**1.47**	5.03	78	0.38	1.49
-15	5	**145**	495	125	**1.67**	5.70	87	0.42	1.90
-10	14	**180**	615	155	**1.88**	6.40	96	0.46	2.36



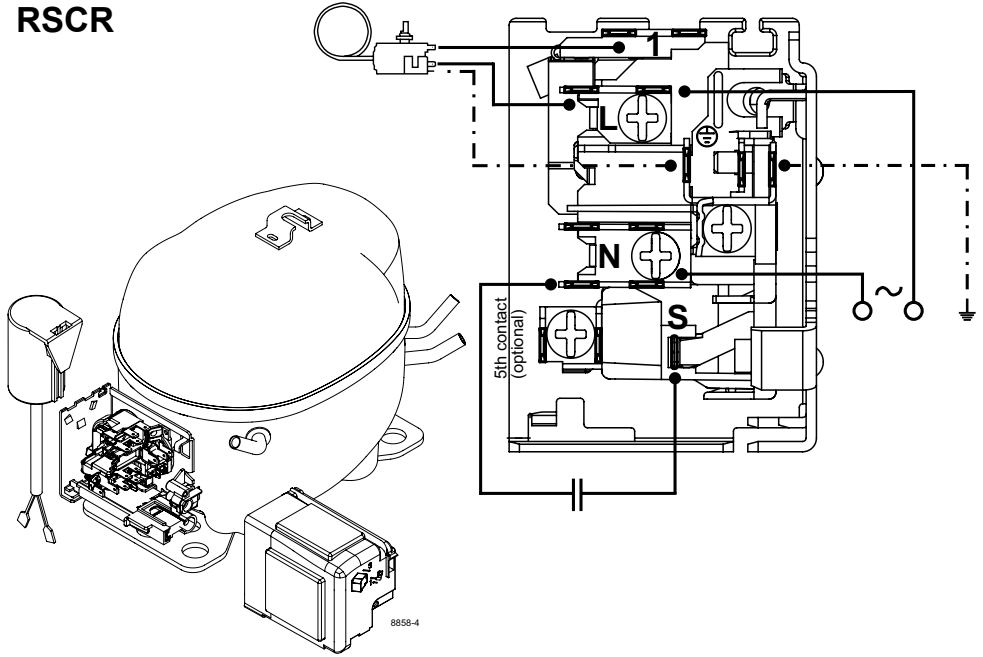
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

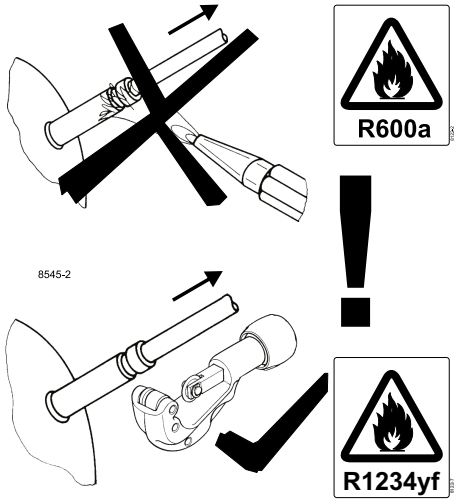
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

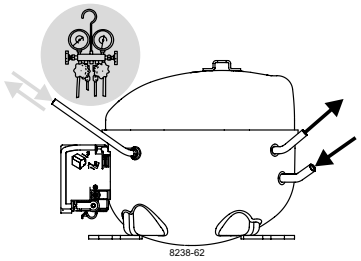
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





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

SECOP

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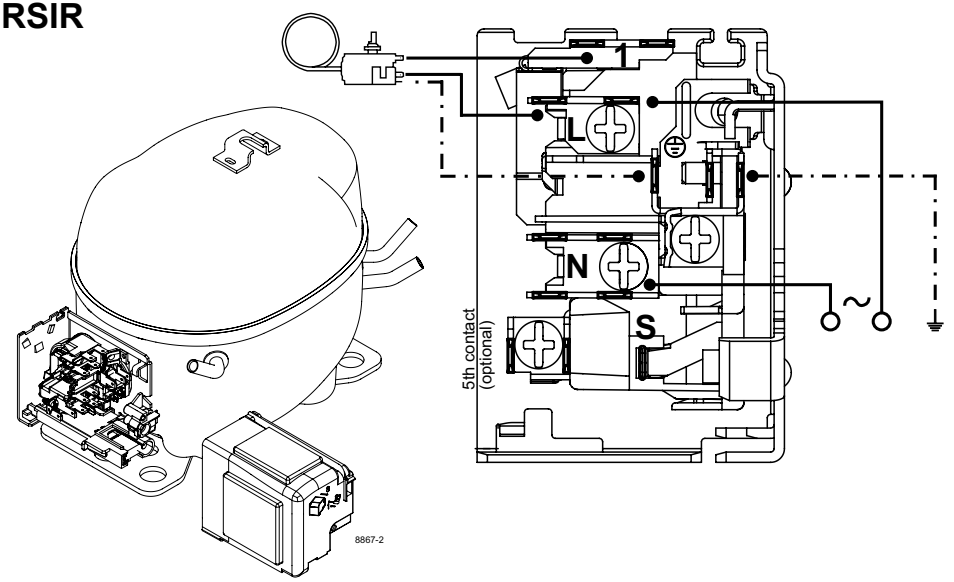
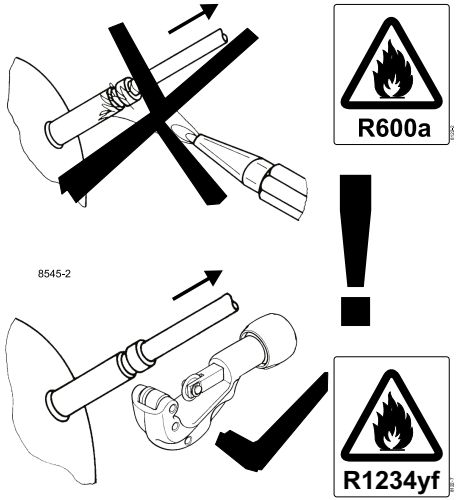
RSIR



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**