Single
Packs

SECOP

Single Pack HXK70AA 220-240V 50Hz RSIR

Single pack code number: **195B4657**

Position	Title	Code	Amount
1	Compressor HXK70AA	16363600	1
2	e-PTC starting device (240V, overload protector AE25FJ6)	15624200	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

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Model
HXK70AA

Sales code:
16363600

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 HXK70AA

–	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Motor configuration	eRSCR	eRSCR	RSCR	RSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1	1	1
Voltage range	187-264 V	187-264 V	187-264 V	187-264 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
- Various options of connectors are possible - please contact SECOP-Sales.

Model
HXK70AA

Sales code:
16363600

Compressor Design

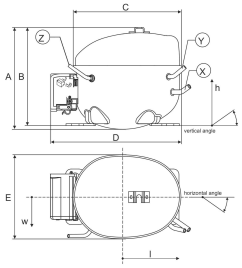
Oil type	**Mineral**	Winding resistance main	**37.1 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**28.9 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,660 cm3 / 56.13fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

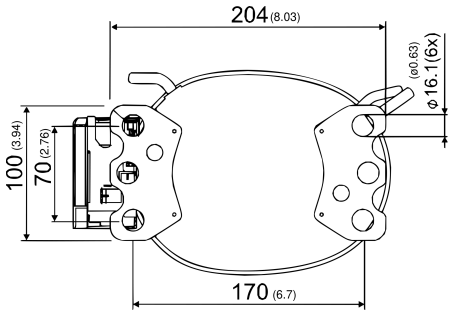
A Height	**182mm / 7.17in**
B Height	**175mm / 6.89in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



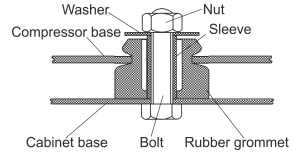
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.16–6.24 / 0.24–0.25in	øi 5.1–5.2 / 0.20–0.20in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	54°	35°	45°
Vertical angle ±2°	35°	40°	35°
Position l/h/w [mm]	120/92/56.7 / 4.72/3.62/2.23in	112/105.5/81 / 4.41/4.15/3.19in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

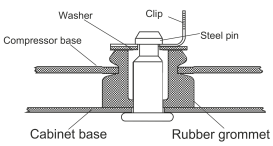


Dimensions in mm [in]

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
HXK70AA Configuration 1

Sales code:
16363600

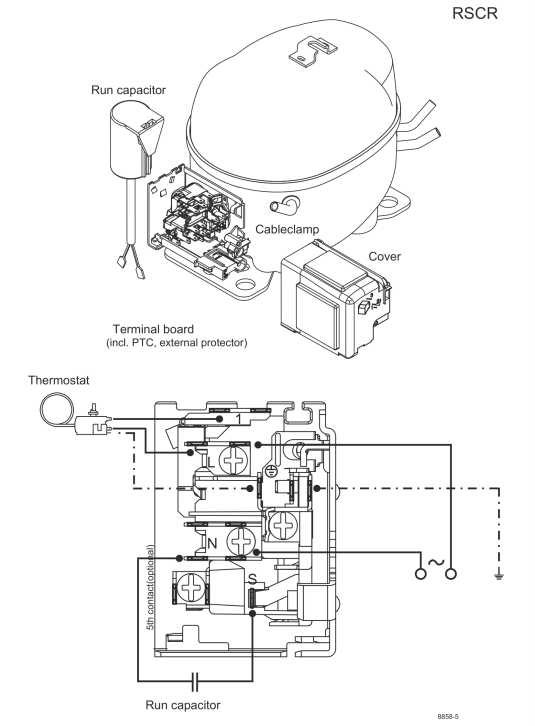
Configuration

Motor configuration	**eRSCR**
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	**e-PTC**
Run capacitor	**3 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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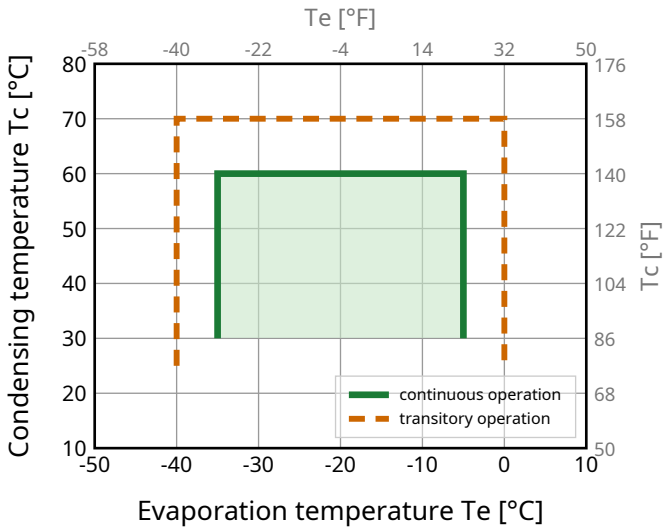
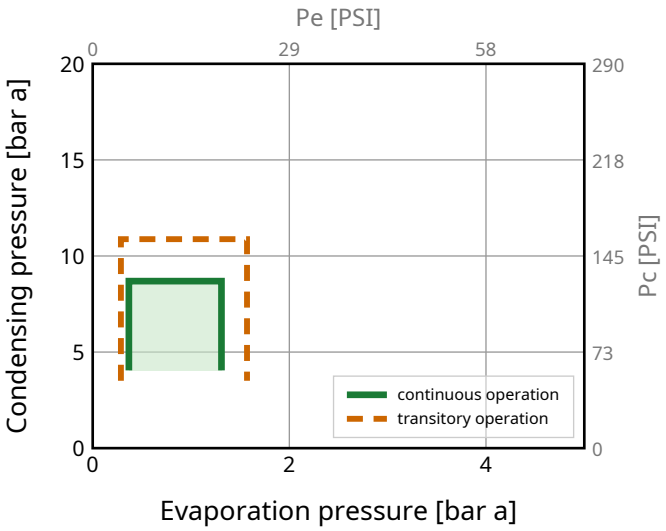
Components
. terminal board (e-PTC, 4.8mm) 15624200
. run capacitor (3µF, 4.8mm) 10692902
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AA Configuration 1

Sales code:
16363600

Standard Conditions

R600a, 220 V/50 Hz, eRSCR, 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**	403	102	**1.85**	6.33	64	0.29	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	301	76	**1.46**	4.97	60	0.28	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	224	56	**1.38**	4.71	48	0.22	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	330	83	**1.57**	5.36	62	0.28	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**128**	436	110	**2.17**	7.42	59	0.27	1.37	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**60**	206	52	**1.31**	4.46	46	0.21	0.72	**opt LBP**

Performance Tables

R600a, 220 V/50 Hz, eRSCR, 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	**60**	206	52	**1.31**	4.46	46	0.21	0.72
-30	-22	**79**	271	68	**1.54**	5.27	51	0.23	0.94
-25	-13	**103**	352	89	**1.79**	6.10	58	0.26	1.23
-20	-4	**132**	452	114	**2.03**	6.93	65	0.30	1.58
-15	5	**167**	569	143	**2.27**	7.74	74	0.33	1.99
-10	14	**206**	704	177	**2.51**	8.55	82	0.37	2.47
-5	23	**251**	856	216	**2.75**	9.38	91	0.41	3.01

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

-35	-31	**46**	159	40	**1.09**	3.71	43	0.20	0.60
-30	-22	**65**	222	56	**1.27**	4.34	51	0.23	0.85
-25	-13	**88**	301	76	**1.46**	4.97	60	0.28	1.15
-20	-4	**116**	395	100	**1.64**	5.59	71	0.32	1.51
-15	5	**148**	506	128	**1.82**	6.21	82	0.37	1.94
-10	14	**186**	633	160	**2.00**	6.84	93	0.42	2.44
-5	23	**228**	776	196	**2.19**	7.49	104	0.47	2.99

Model
HXK70AA Configuration 2

Sales code:
16363600

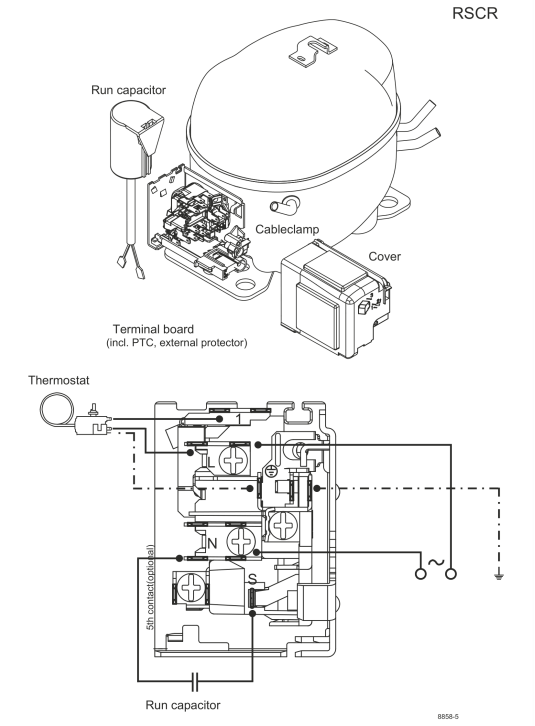
Configuration

Motor configuration	**eRSCR**
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	**e-PTC**
Run capacitor	**3 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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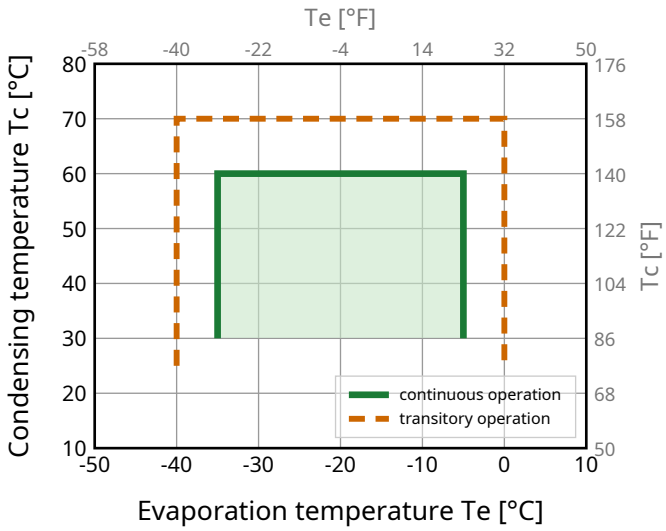
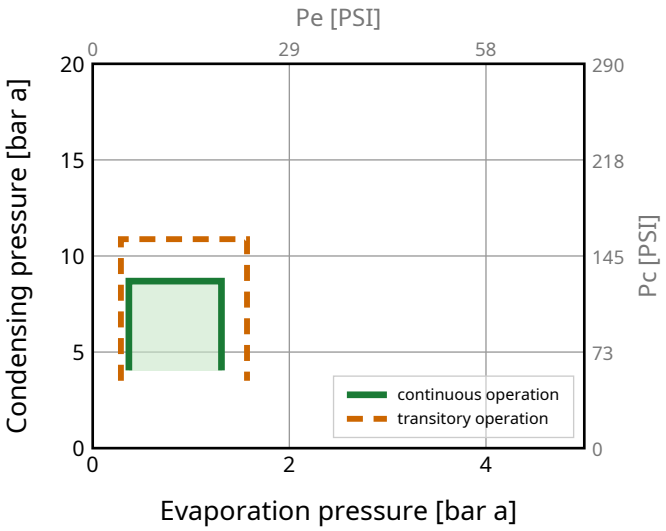
Components
. terminal board (e-PTC, 4.8mm) 15624200
. run capacitor (3µF, 4.8mm) 10693200
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AA Configuration 2

Sales code:
16363600

Standard Conditions

R600a, 220 V/50 Hz, eRSCR, 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**	403	102	**1.85**	6.33	64	0.29	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	301	76	**1.46**	4.97	60	0.28	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	224	56	**1.38**	4.71	48	0.22	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	330	83	**1.57**	5.36	62	0.28	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**128**	436	110	**2.17**	7.42	59	0.27	1.37	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**60**	206	52	**1.31**	4.46	46	0.21	0.72	**opt LBP**

Performance Tables

R600a, 220 V/50 Hz, eRSCR, 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	**60**	206	52	**1.31**	4.46	46	0.21	0.72
-30	-22	**79**	271	68	**1.54**	5.27	51	0.23	0.94
-25	-13	**103**	352	89	**1.79**	6.10	58	0.26	1.23
-20	-4	**132**	452	114	**2.03**	6.93	65	0.30	1.58
-15	5	**167**	569	143	**2.27**	7.74	74	0.33	1.99
-10	14	**206**	704	177	**2.51**	8.55	82	0.37	2.47
-5	23	**251**	856	216	**2.75**	9.38	91	0.41	3.01

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

-35	-31	**46**	159	40	**1.09**	3.71	43	0.20	0.60
-30	-22	**65**	222	56	**1.27**	4.34	51	0.23	0.85
-25	-13	**88**	301	76	**1.46**	4.97	60	0.28	1.15
-20	-4	**116**	395	100	**1.64**	5.59	71	0.32	1.51
-15	5	**148**	506	128	**1.82**	6.21	82	0.37	1.94
-10	14	**186**	633	160	**2.00**	6.84	93	0.42	2.44
-5	23	**228**	776	196	**2.19**	7.49	104	0.47	2.99

Model
HXK70AA Configuration 3

Sales code:
16363600

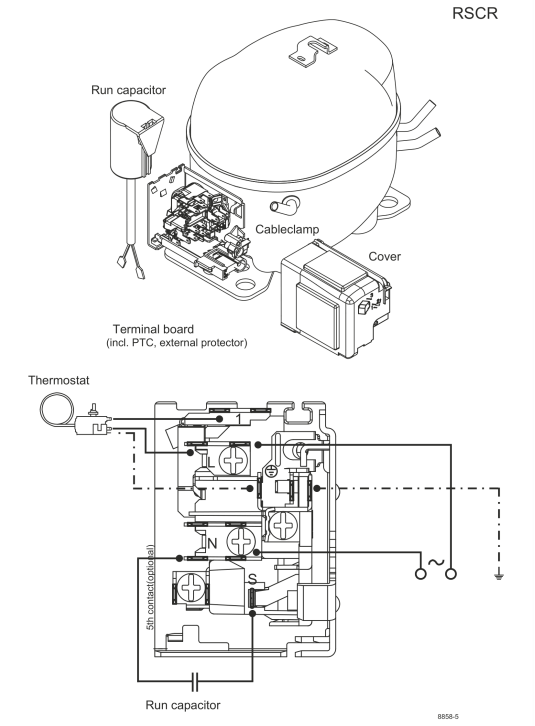
Configuration

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	**3 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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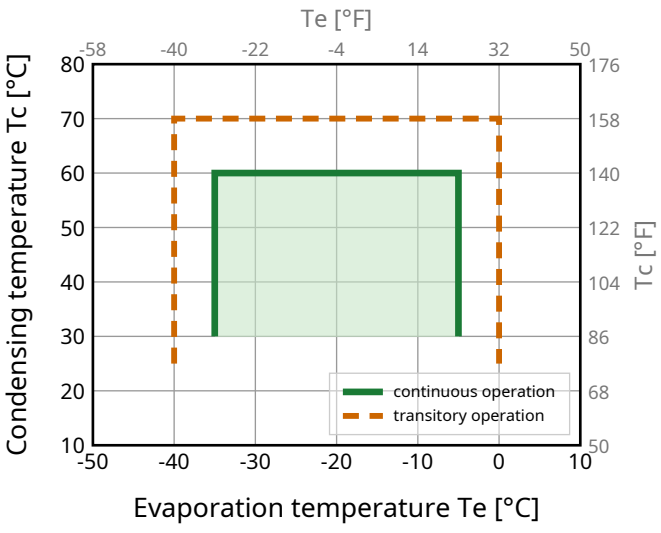
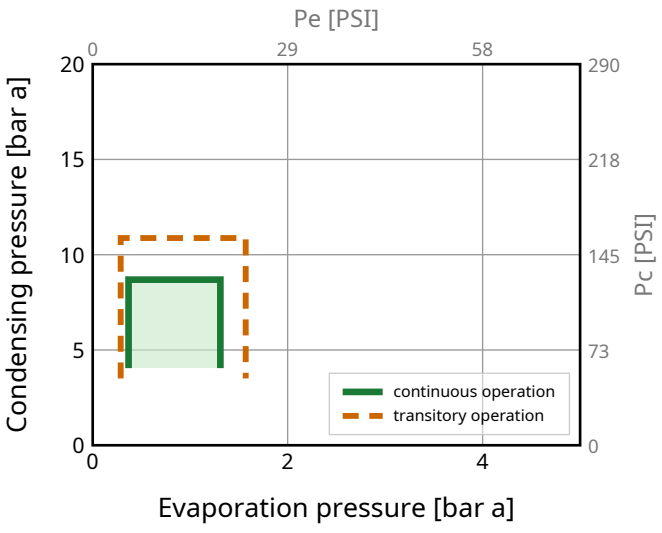
Components
. terminal board (PTC, 4.8mm) 15163700
. run capacitor (3µF, 4.8mm) 10693200
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. run capacitor (3µF, 4.8mm) 10692902
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK70AA Configuration 3

Sales code:
16363600

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	**118**	403	102	**1.85**	6.33	64	0.29	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	301	76	**1.46**	4.97	60	0.28	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	224	56	**1.38**	4.71	48	0.22	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	330	83	**1.57**	5.36	62	0.28	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**128**	436	110	**2.17**	7.42	59	0.27	1.37	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**60**	206	52	**1.31**	4.46	46	0.21	0.72	**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	**60**	206	52	**1.31**	4.46	46	0.21	0.72
-30	-22	**79**	271	68	**1.54**	5.27	51	0.23	0.94
-25	-13	**103**	352	89	**1.79**	6.10	58	0.26	1.23
-20	-4	**132**	452	114	**2.03**	6.93	65	0.30	1.58
-15	5	**167**	569	143	**2.27**	7.74	74	0.33	1.99
-10	14	**206**	704	177	**2.51**	8.55	82	0.37	2.47
-5	23	**251**	856	216	**2.75**	9.38	91	0.41	3.01

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

-35	-31	**46**	159	40	**1.09**	3.71	43	0.20	0.60
-30	-22	**65**	222	56	**1.27**	4.34	51	0.23	0.85
-25	-13	**88**	301	76	**1.46**	4.97	60	0.28	1.15
-20	-4	**116**	395	100	**1.64**	5.59	71	0.32	1.51
-15	5	**148**	506	128	**1.82**	6.21	82	0.37	1.94
-10	14	**186**	633	160	**2.00**	6.84	93	0.42	2.44
-5	23	**228**	776	196	**2.19**	7.49	104	0.47	2.99

Model
HXK70AA Configuration 4

Sales code:
16363600

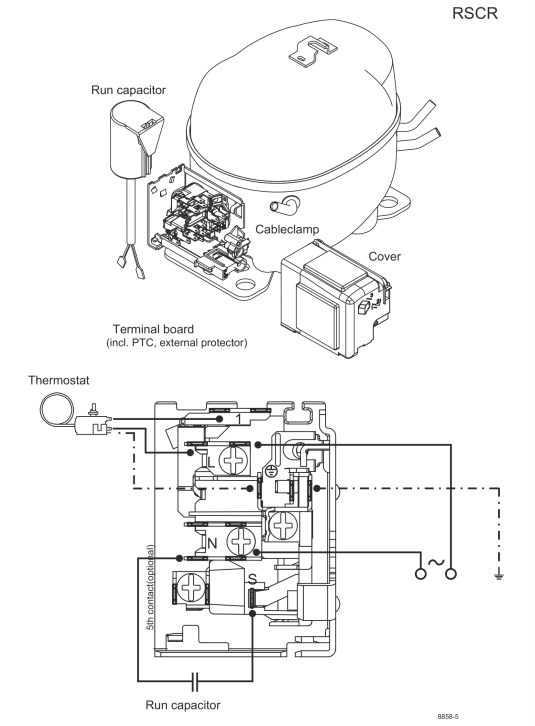
Configuration

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	**3 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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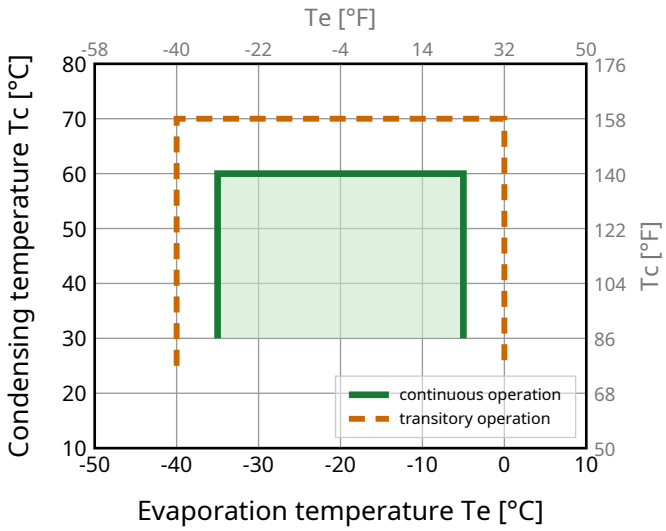
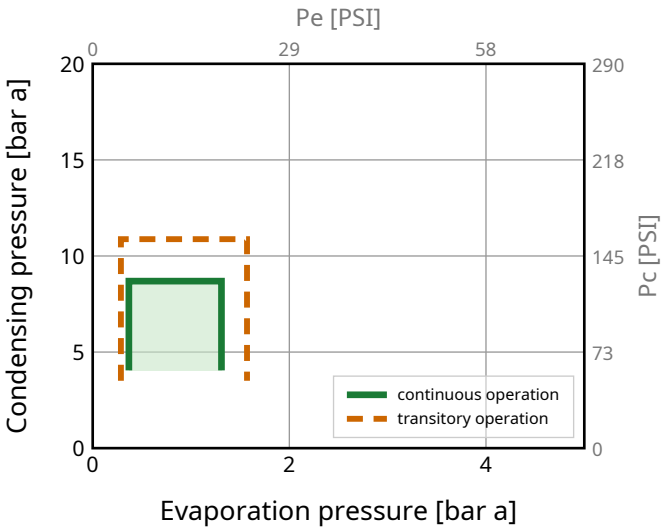
Components
. terminal board (PTC, 6.3mm) 15162200
. run capacitor (3µF, 6.3mm) 15312801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model

HXK70AA Configuration 4

Sales code:

16363600

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	**118**	403	102	**1.85**	6.33	64	0.29	1.27	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**88**	301	76	**1.46**	4.97	60	0.28	1.15	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**66**	224	56	**1.38**	4.71	48	0.22	0.80	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**97**	330	83	**1.57**	5.36	62	0.28	1.41	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**128**	436	110	**2.17**	7.42	59	0.27	1.37	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**60**	206	52	**1.31**	4.46	46	0.21	0.72	**opt LBP**

Performance Tables

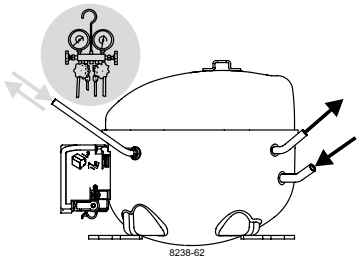
R600a, 220 V/50 Hz, RSCR, static

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	**60**	206	52	**1.31**	4.46	46	0.21	0.72
-30	-22	**79**	271	68	**1.54**	5.27	51	0.23	0.94
-25	-13	**103**	352	89	**1.79**	6.10	58	0.26	1.23
-20	-4	**132**	452	114	**2.03**	6.93	65	0.30	1.58
-15	5	**167**	569	143	**2.27**	7.74	74	0.33	1.99
-10	14	**206**	704	177	**2.51**	8.55	82	0.37	2.47
-5	23	**251**	856	216	**2.75**	9.38	91	0.41	3.01

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

-35	-31	**46**	159	40	**1.09**	3.71	43	0.20	0.60
-30	-22	**65**	222	56	**1.27**	4.34	51	0.23	0.85
-25	-13	**88**	301	76	**1.46**	4.97	60	0.28	1.15
-20	-4	**116**	395	100	**1.64**	5.59	71	0.32	1.51
-15	5	**148**	506	128	**1.82**	6.21	82	0.37	1.94
-10	14	**186**	633	160	**2.00**	6.84	93	0.42	2.44
-5	23	**228**	776	196	**2.19**	7.49	104	0.47	2.99



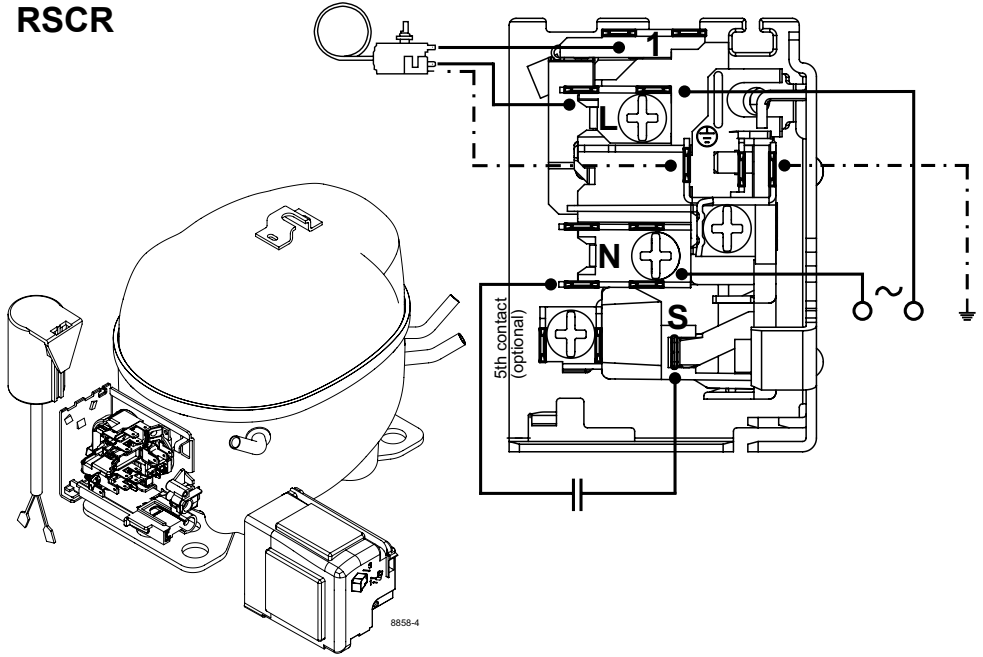
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

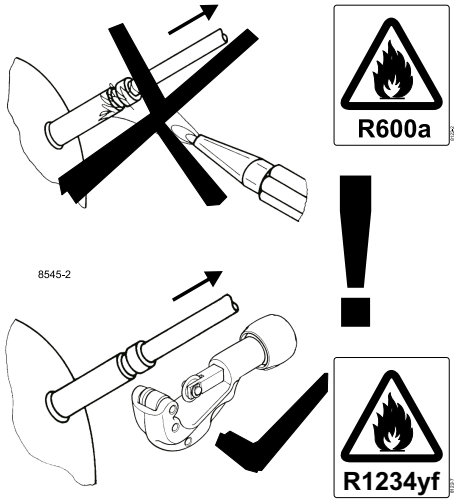
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

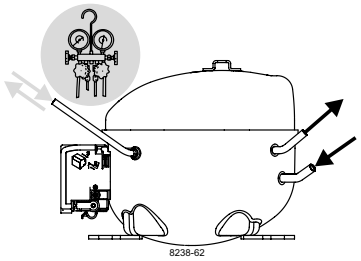
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





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

SECOP

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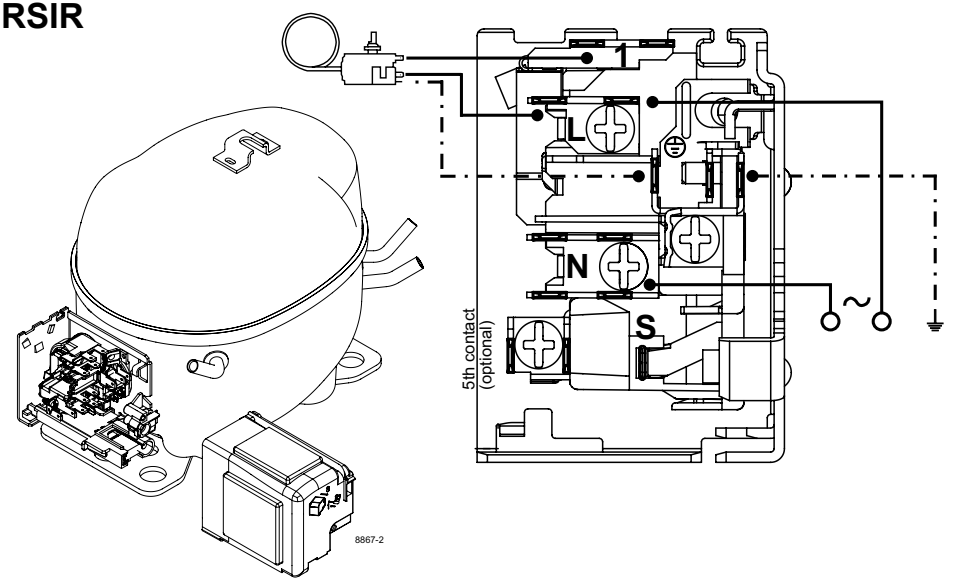
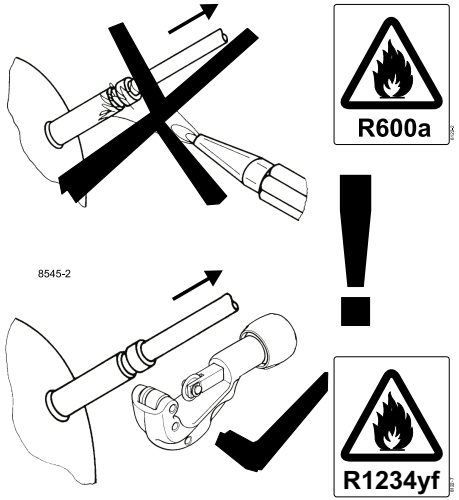
RSIR



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**