Single
Packs

Single Pack HXK80AT 200-240V 50Hz / 208-230V 60Hz RSIR

Single pack code number: **195B4617**

Position	Title	Code	Amount
1	Compressor HXK80AT	16408600	1
2	Terminal board 6.3mm	16403700	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
HXK80AT

Sales code:
16408600

Compressor Data

Refrigerant(s)	**R600a**
Refr. charge - tech. limit	**150g / 5.29oz**
Weight	**8.10 kg / 17.86lbs**
Displacement	**8.10 cm3 / 0.49cu.in**
Compressors on pallet	**100**

General – Configurations With HXK80AT

–	Conf. 1	Conf. 2	Conf. 3	Conf. 4
Motor configuration	RSCR	RSIR	RSCR	RSCR
Power supply (nominal)	200-240 V/50 Hz	200-240 V/50 Hz	220-240 V/50 Hz	208-230 V/60 Hz
Number of phases	1	1	1	1
Voltage range	170-264 V	170-264 V	170-264 V	198-253 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
HXK80AT

Sales code:
16408600

Compressor Design

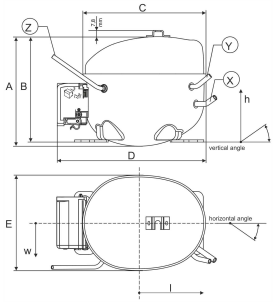
Oil type	**Mineral**	Winding resistance main	**24.3 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**13.8 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,620 cm3 / 54.78fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

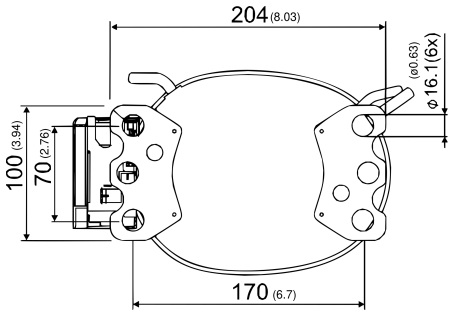
A Height	**174mm / 6.85in**
B Height	**167mm / 6.57in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



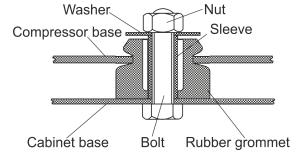
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

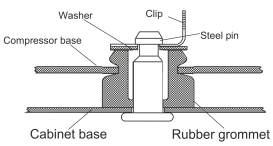


Dimensions in mm [in]

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
HXK80AT Configuration 1

Sales code:
16408600

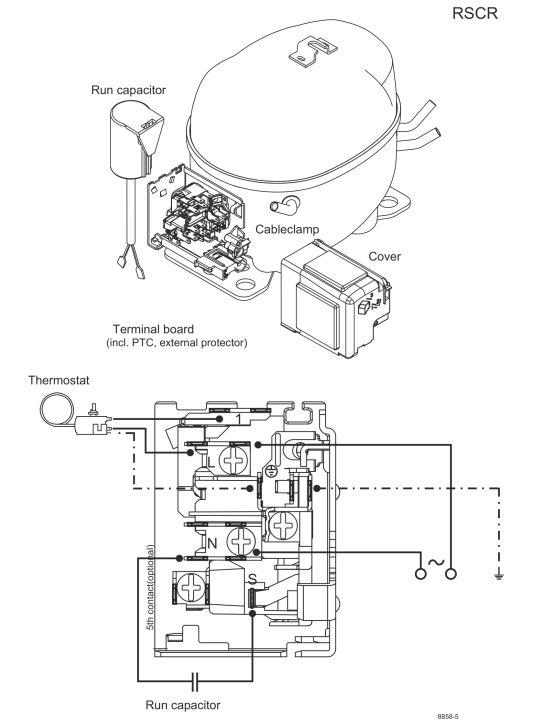
Configuration

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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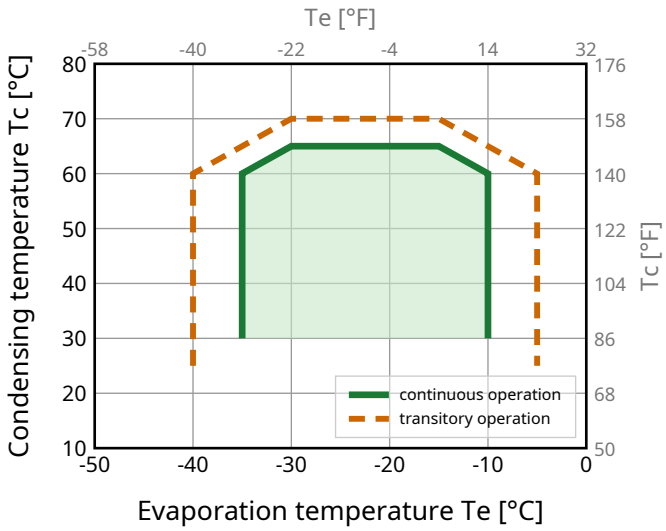
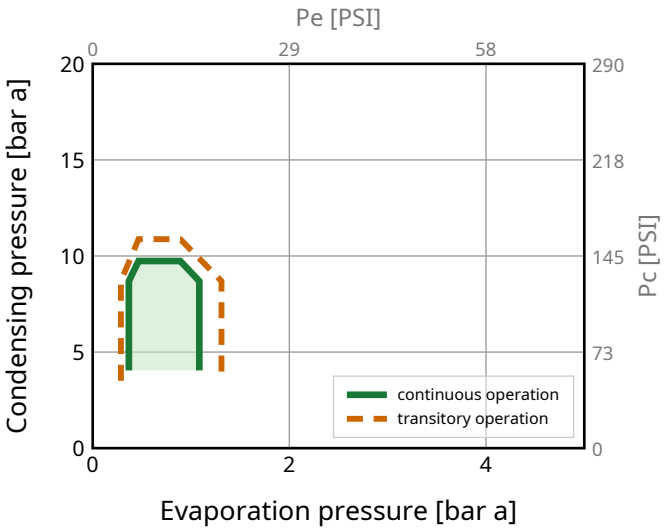
Components
. terminal board (PTC, 6.3mm) 16403700
. run capacitor (4µF, 6.3mm) 15186801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK80AT Configuration 1

Sales code:
16408600

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	**140**	477	120	**1.75**	5.96	80	0.38	1.50	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**105**	358	90	**1.36**	4.66	77	0.37	1.37	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**80**	273	69	**1.42**	4.84	56	0.29	0.97	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**114**	389	98	**1.46**	5.00	78	0.38	1.66	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**149**	508	128	**2.00**	6.83	74	0.36	1.60	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**77**	263	66	**1.35**	4.60	57	0.28	0.92	**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	**77**	263	66	**1.35**	4.60	57	0.28	0.92
-30	-22	**96**	328	83	**1.46**	4.99	66	0.32	1.14
-25	-13	**122**	416	105	**1.65**	5.64	74	0.35	1.45
-20	-4	**154**	526	133	**1.90**	6.47	81	0.39	1.84
-15	5	**194**	663	167	**2.17**	7.41	90	0.43	2.32
-10	14	**242**	827	208	**2.46**	8.40	98	0.48	2.90

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

-35	-31	**56**	193	49	**1.01**	3.45	56	0.27	0.73
-30	-22	**79**	269	68	**1.18**	4.03	67	0.32	1.02
-25	-13	**105**	358	90	**1.36**	4.66	77	0.37	1.37
-20	-4	**135**	462	116	**1.56**	5.33	87	0.42	1.77
-15	5	**171**	582	147	**1.77**	6.03	96	0.47	2.23
-10	14	**211**	721	182	**1.97**	6.73	107	0.52	2.77

Model
HXK80AT Configuration 2

Sales code:
16408600

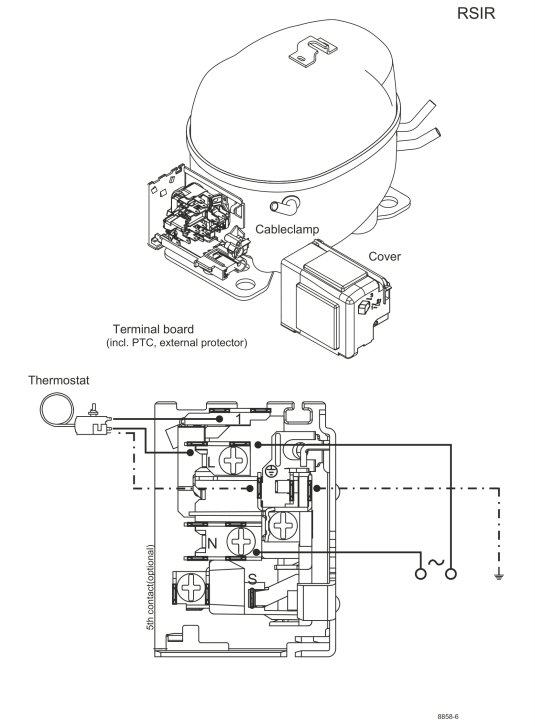
Configuration

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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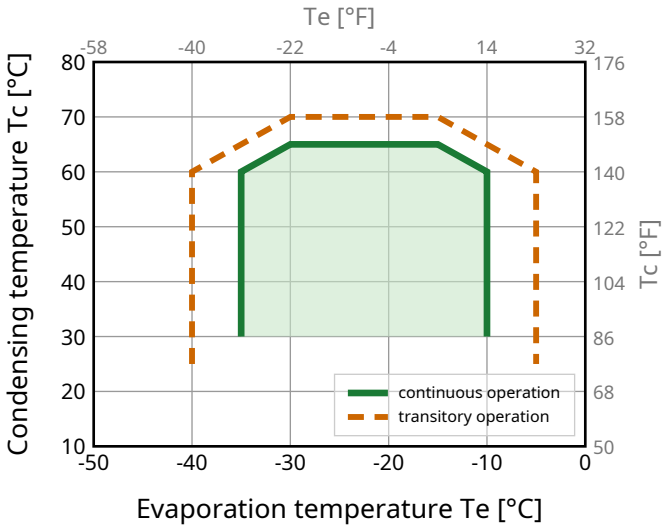
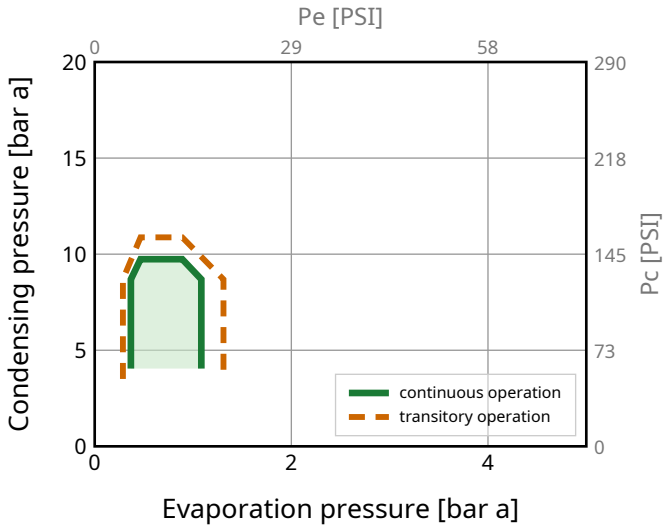
Components
. terminal board (PTC, 6.3mm) 16403700
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK80AT Configuration 2

Sales code:
16408600

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	**140**	477	120	**1.67**	5.69	84	0.40	1.50	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**105**	358	90	**1.31**	4.46	80	0.38	1.37	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**80**	273	69	**1.39**	4.75	57	0.29	0.97	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**114**	389	98	**1.40**	4.78	81	0.39	1.66	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**149**	508	128	**1.93**	6.57	77	0.37	1.60	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**77**	263	66	**1.32**	4.49	58	0.29	0.92	**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	**77**	263	66	**1.32**	4.49	58	0.29	0.92
-30	-22	**96**	328	83	**1.42**	4.85	68	0.33	1.14
-25	-13	**122**	416	105	**1.59**	5.43	76	0.37	1.45
-20	-4	**154**	526	133	**1.81**	6.16	85	0.41	1.84
-15	5	**194**	663	167	**2.04**	6.97	95	0.46	2.32
-10	14	**242**	827	208	**2.28**	7.78	106	0.51	2.90

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

-35	-31	**56**	193	49	**0.99**	3.38	57	0.27	0.73
-30	-22	**79**	269	68	**1.14**	3.90	69	0.33	1.02
-25	-13	**105**	358	90	**1.31**	4.46	80	0.38	1.37
-20	-4	**135**	462	116	**1.48**	5.04	92	0.44	1.77
-15	5	**171**	582	147	**1.65**	5.61	104	0.50	2.23
-10	14	**211**	721	182	**1.80**	6.15	117	0.56	2.77

Model

HXK80AT Configuration 3

Sales code:

16408600

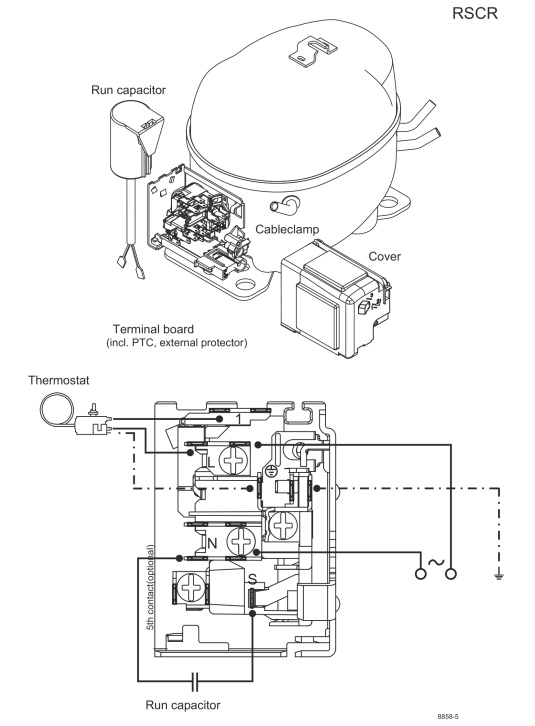
Configuration

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	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**3.6 A**
RLA (rated load amps / 1s/ U(N))	**0.7 A**
Cut in current (U(N))	**8.9 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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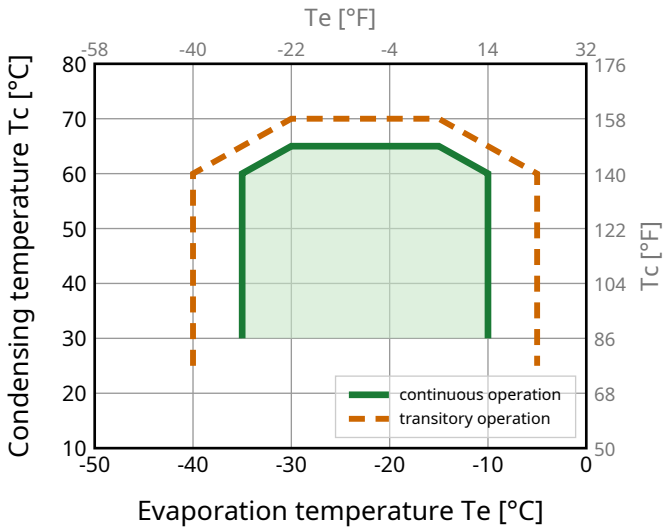
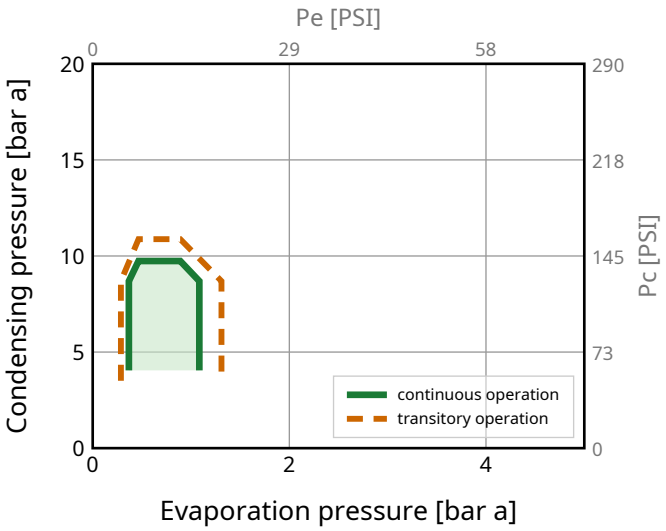
Components
. terminal board (PTC, 6.3mm) 16403700
. run capacitor (4µF, 6.3mm) 15186801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK80AT Configuration 3

Sales code:
16408600

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	**140**	479	121	**1.69**	5.78	83	0.40	1.51	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**105**	359	91	**1.32**	4.51	80	0.38	1.37	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**80**	274	69	**1.38**	4.69	58	0.30	0.98	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**115**	391	99	**1.42**	4.84	81	0.39	1.67	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**150**	510	129	**1.94**	6.62	77	0.37	1.61	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**77**	264	67	**1.31**	4.46	59	0.29	0.92	**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	**77**	264	67	**1.31**	4.46	59	0.29	0.92
-30	-22	**97**	330	83	**1.42**	4.84	68	0.33	1.15
-25	-13	**122**	417	105	**1.60**	5.47	76	0.37	1.46
-20	-4	**155**	529	133	**1.84**	6.27	84	0.41	1.85
-15	5	**195**	666	168	**2.10**	7.18	93	0.45	2.33
-10	14	**243**	830	209	**2.38**	8.14	102	0.49	2.92

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

-35	-31	**57**	193	49	**0.98**	3.35	58	0.28	0.74
-30	-22	**79**	270	68	**1.14**	3.90	69	0.33	1.03
-25	-13	**105**	359	91	**1.32**	4.51	80	0.38	1.37
-20	-4	**136**	464	117	**1.51**	5.17	90	0.43	1.77
-15	5	**171**	585	147	**1.71**	5.85	100	0.49	2.24
-10	14	**212**	724	183	**1.91**	6.52	111	0.53	2.79

Model
HXK80AT Configuration 4

Sales code:
16408600

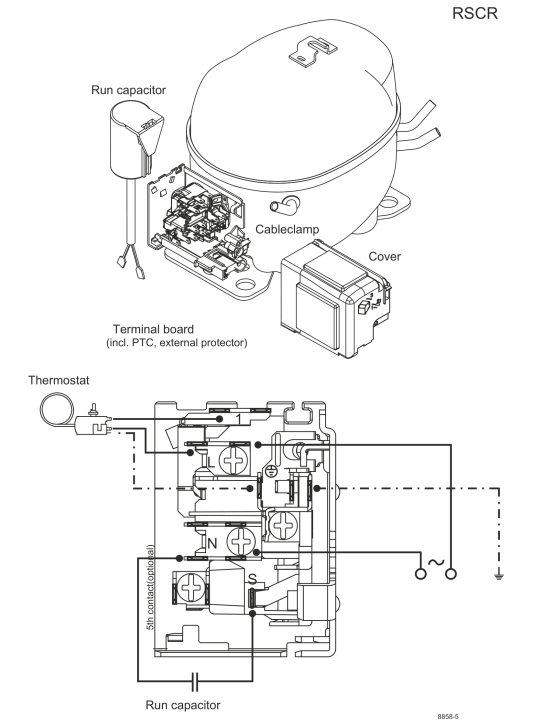
Configuration

Motor configuration	**RSCR**
Power supply (nominal)	**208-230 V/60 Hz 1~**
Refrigerant	**R600a**
Application	**LBP**
Voltage range	**198-253 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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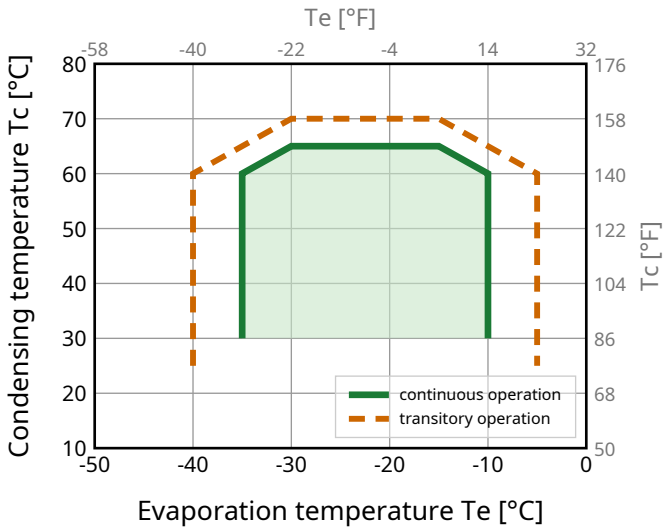
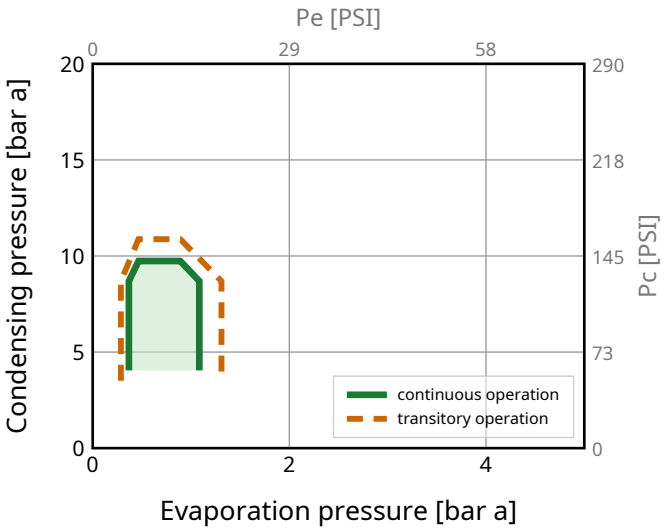
Components
. terminal board (PTC, 6.3mm) 16403700
. run capacitor (4µF, 6.3mm) 15186801
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model

HXK80AT Configuration 4

Sales code:

16408600

Standard Conditions

R600a, 220 V/60 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	**168**	572	144	**1.77**	6.03	95	0.46	1.80	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**126**	430	108	**1.39**	4.74	91	0.44	1.64	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**95**	323	81	**1.44**	4.93	66	0.34	1.15	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**136**	465	117	**1.47**	5.01	93	0.45	1.99	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**177**	603	152	**1.99**	6.79	89	0.43	1.90	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**92**	314	79	**1.39**	4.73	66	0.33	1.09	**opt LBP**

Performance Tables

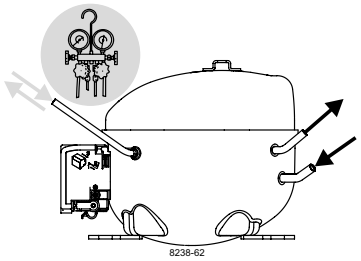
R600a, 220 V/60 Hz, RSCR, static

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	**92**	314	79	**1.39**	4.73	66	0.33	1.09
-30	-22	**115**	391	99	**1.49**	5.07	77	0.37	1.36
-25	-13	**145**	495	125	**1.66**	5.65	88	0.42	1.73
-20	-4	**184**	627	158	**1.87**	6.38	98	0.47	2.19
-15	5	**231**	790	199	**2.11**	7.19	110	0.53	2.77
-10	14	**289**	985	248	**2.35**	8.01	123	0.59	3.46

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

-35	-31	**69**	234	59	**1.06**	3.61	65	0.31	0.89
-30	-22	**95**	324	82	**1.22**	4.16	78	0.37	1.24
-25	-13	**126**	430	108	**1.39**	4.74	91	0.44	1.64
-20	-4	**162**	553	139	**1.56**	5.33	104	0.51	2.12
-15	5	**204**	698	176	**1.73**	5.89	118	0.58	2.68
-10	14	**253**	865	218	**1.88**	6.42	135	0.65	3.32



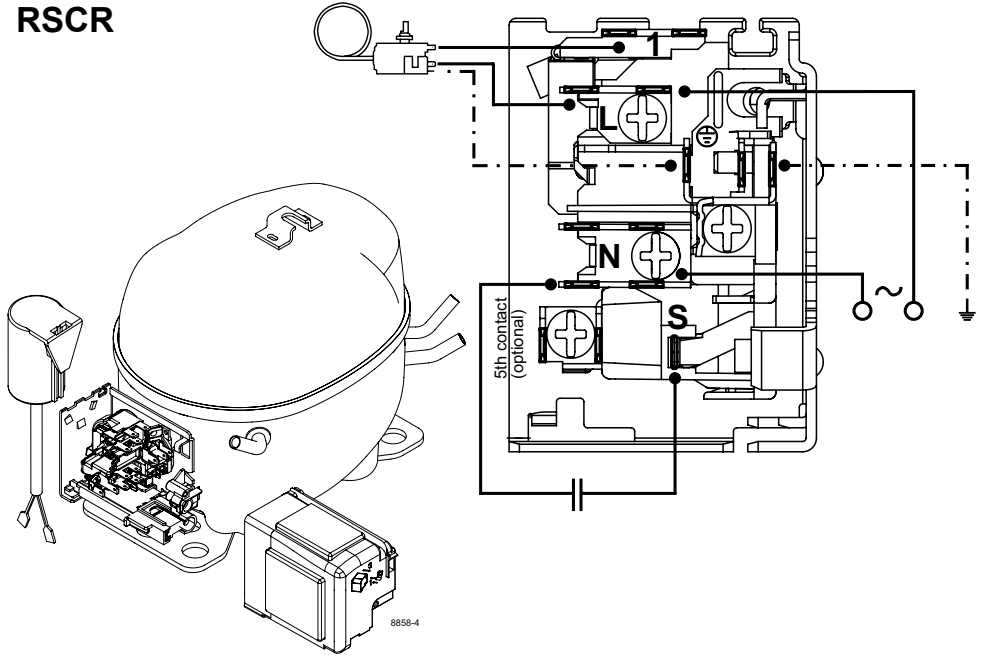
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

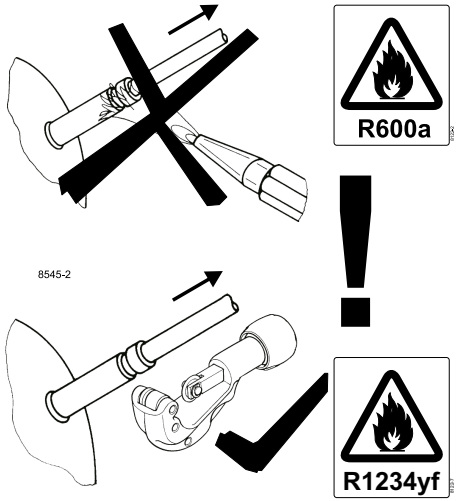
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

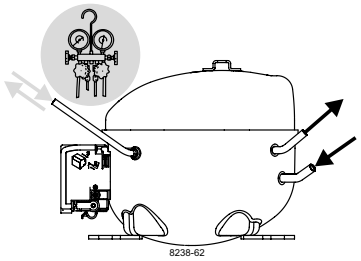
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





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

SECOP

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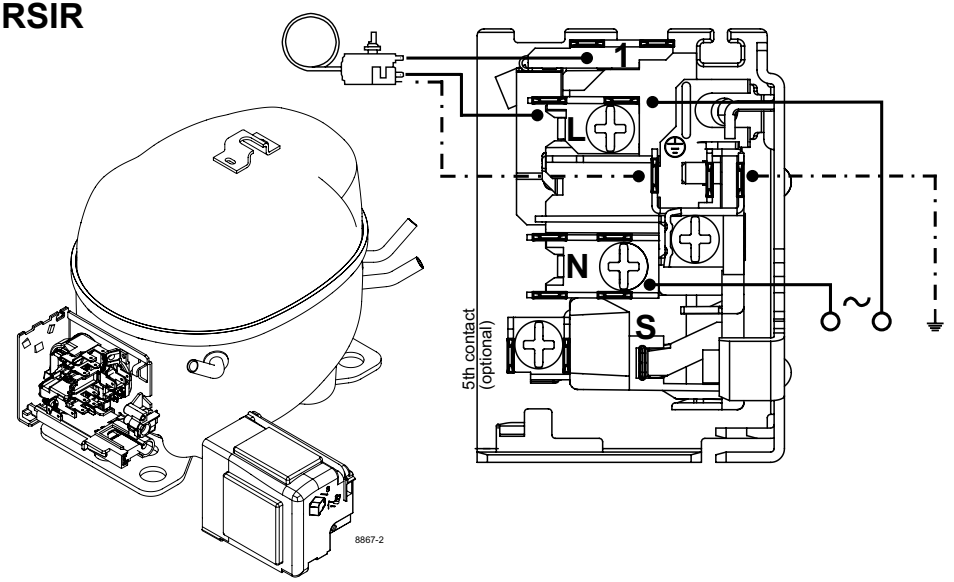
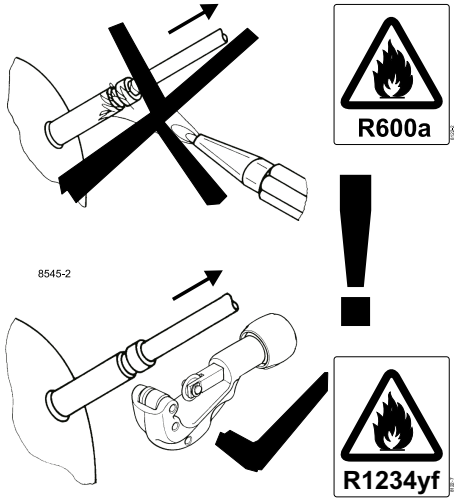
RSIR



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**