Singolo
Imballi

Single Pack HXK95AT 200-240V 50Hz / 208-230V 60Hz RSIR

Codice Imballo Singolo: **195B4619**

Posizione	Titolo	Codice	Quantità
1	Compressor HXK95AT	16409200	1
2	Terminal board 6.3mm	16403600	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

Secop GmbH • Lise-Meitner-Straße 29 • 24941 Flensburg, Germany • Tel: +49 461 4941 0 • **www.secop.com**

Secop non si assume alcuna responsabilità per eventuali errori presenti in cataloghi, brochure e altro materiale stampato. Secop si riserva il diritto di modificare i propri prodotti senza preavviso. Ciò vale anche per i prodotti già ordinati, a condizione che tali modifiche possano essere apportate senza che siano necessarie modifiche successive alle specifiche già concordate. Tutti i marchi presenti in questo materiale sono di proprietà delle rispettive aziende. Secop e il logo Secop sono marchi di Secop GmbH. Tutti i diritti sono riservati.

Model
HXK95AT

Sales code:
16409200

Compressor Data

Refrigerant(s)	**R600a**
Refr. charge - tech. limit	**150g / 5.29oz**
Weight	**8.60 kg / 18.96lbs**
Displacement	**9.60 cm3 / 0.59cu.in**
Compressors on pallet	**100**

General – Configurations With HXK95AT

–	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
HXK95AT

Sales code:
16409200

Compressor Design

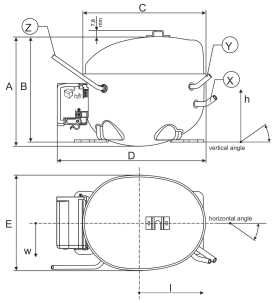
Oil type	**Mineral**	Winding resistance main	**15.5 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**9.9 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,560 cm3 / 52.75fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

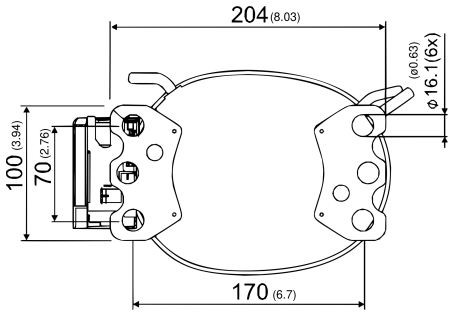
A Height	**174mm / 6.85in**
B Height	**167mm / 6.57in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



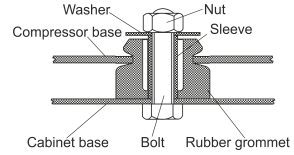
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

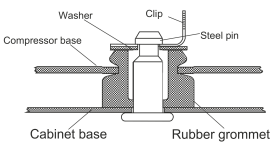


Dimensions in mm [in]

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
HXK95AT Configuration 1

Sales code:
16409200

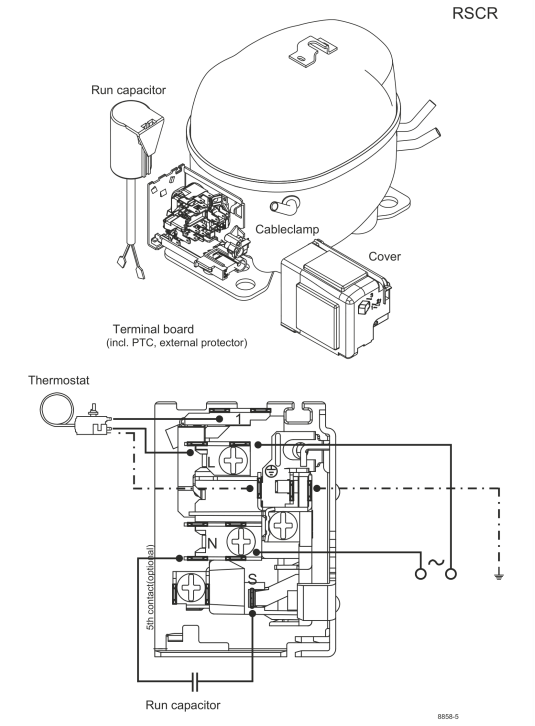
Configuration

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

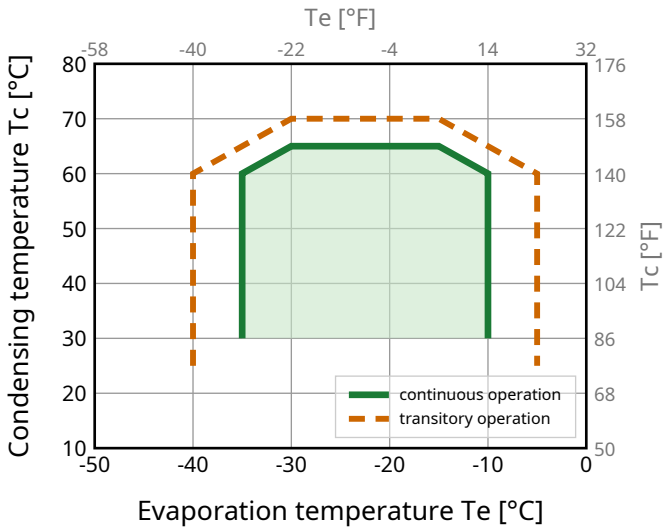


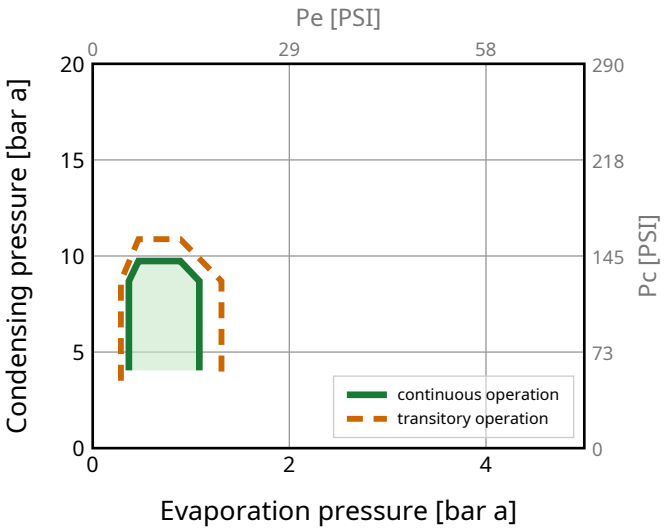
View full size

Components
. terminal board (PTC, 4.8mm) 16403800
. run capacitor (4µF, 4.8mm) 11261700
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
HXK95AT Configuration 1

Sales code:
16409200

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	**173**	592	149	**1.75**	5.96	99	0.56	1.86	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**130**	444	112	**1.38**	4.69	95	0.54	1.70	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**94**	320	81	**1.45**	4.95	65	0.43	1.14	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**140**	478	121	**1.45**	4.95	97	0.55	2.04	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**179**	611	154	**1.95**	6.66	92	0.53	1.93	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**89**	304	77	**1.42**	4.84	63	0.42	1.06	**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	**89**	304	77	**1.42**	4.84	63	0.42	1.06
-30	-22	**117**	398	100	**1.48**	5.05	79	0.48	1.39
-25	-13	**149**	507	128	**1.64**	5.58	91	0.53	1.77
-20	-4	**187**	638	161	**1.86**	6.34	101	0.56	2.23
-15	5	**234**	798	201	**2.13**	7.26	110	0.60	2.79
-10	14	**291**	993	250	**2.42**	8.25	120	0.64	3.48

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

-35	-31	**60**	206	52	**1.10**	3.74	55	0.39	0.79
-30	-22	**95**	325	82	**1.23**	4.19	78	0.47	1.24
-25	-13	**130**	444	112	**1.38**	4.69	95	0.54	1.70
-20	-4	**167**	571	144	**1.55**	5.28	108	0.59	2.18
-15	5	**208**	711	179	**1.74**	5.95	120	0.64	2.73
-10	14	**256**	873	220	**1.95**	6.66	131	0.69	3.36

Model
HXK95AT Configuration 2

Sales code:
16409200

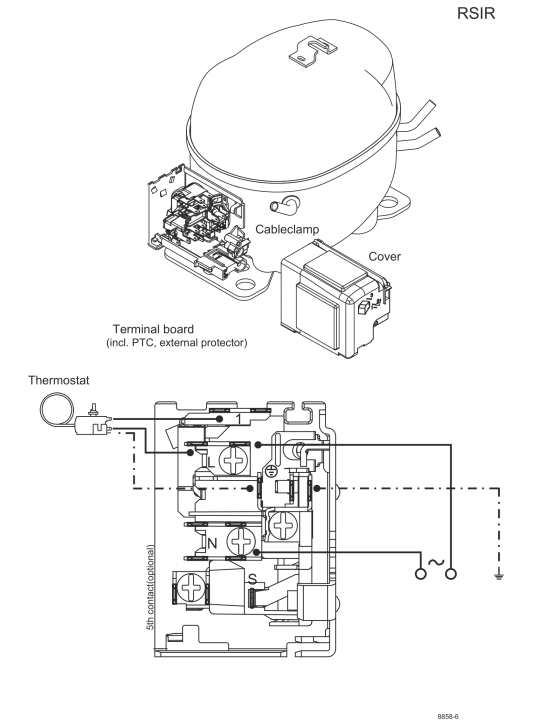
Configuration

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

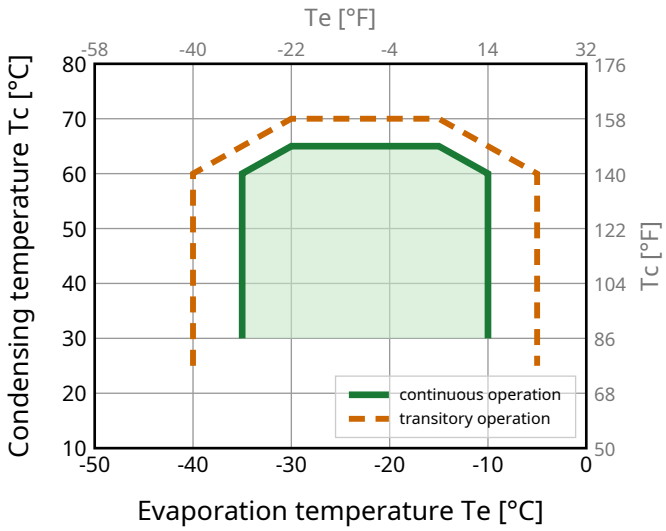


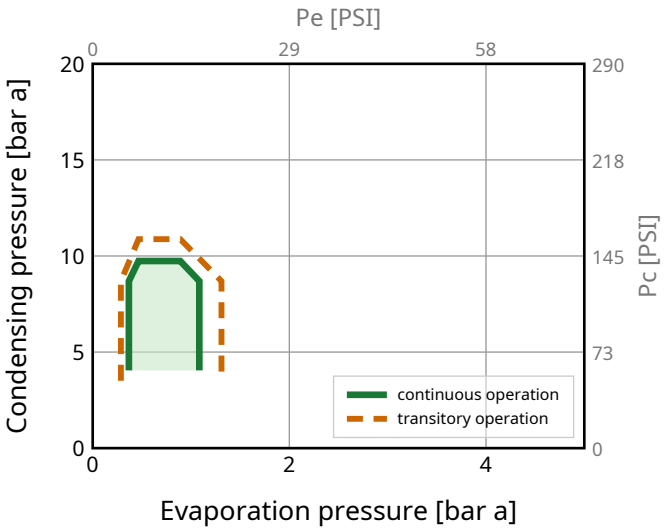
View full size

Components
. terminal board (PTC, 4.8mm) 16403800
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) 16403600

Operation Pressure Range





Model
HXK95AT Configuration 2

Sales code:
16409200

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	**173**	592	149	**1.67**	5.68	104	0.58	1.86	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**130**	444	112	**1.31**	4.48	99	0.56	1.70	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**94**	320	81	**1.38**	4.72	68	0.45	1.14	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**140**	478	121	**1.39**	4.73	101	0.57	2.04	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**179**	611	154	**1.86**	6.36	96	0.55	1.93	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**89**	304	77	**1.35**	4.62	66	0.44	1.06	**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	**89**	304	77	**1.35**	4.62	66	0.44	1.06
-30	-22	**117**	398	100	**1.41**	4.81	83	0.50	1.39
-25	-13	**149**	507	128	**1.56**	5.33	95	0.55	1.77
-20	-4	**187**	638	161	**1.77**	6.05	105	0.59	2.23
-15	5	**234**	798	201	**2.03**	6.93	115	0.63	2.79
-10	14	**291**	993	250	**2.31**	7.87	126	0.67	3.48

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

-35	-31	**60**	206	52	**1.05**	3.57	58	0.41	0.79
-30	-22	**95**	325	82	**1.17**	4.00	81	0.50	1.24
-25	-13	**130**	444	112	**1.31**	4.48	99	0.56	1.70
-20	-4	**167**	571	144	**1.48**	5.04	113	0.62	2.18
-15	5	**208**	711	179	**1.66**	5.68	125	0.67	2.73
-10	14	**256**	873	220	**1.86**	6.36	137	0.72	3.36

Model
HXK95AT Configuration 3

Sales code:
16409200

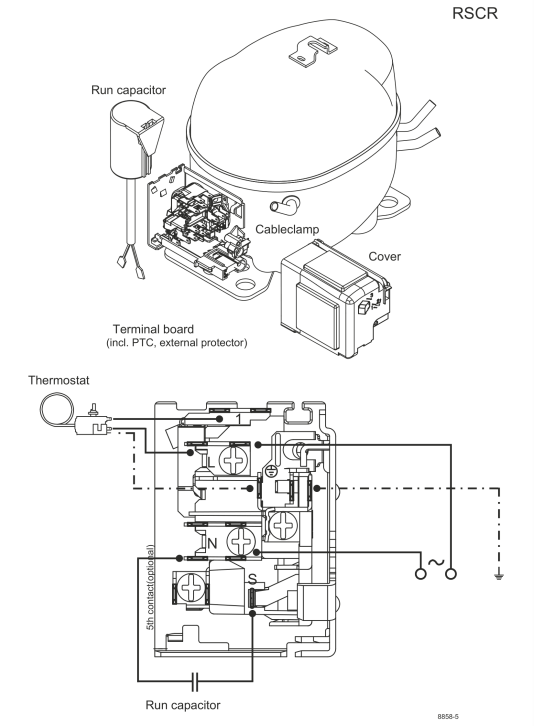
Configuration

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))	**6 A**
RLA (rated load amps / 1s/ U(N))	**0.55 A**
Cut in current (U(N))	**13.1 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

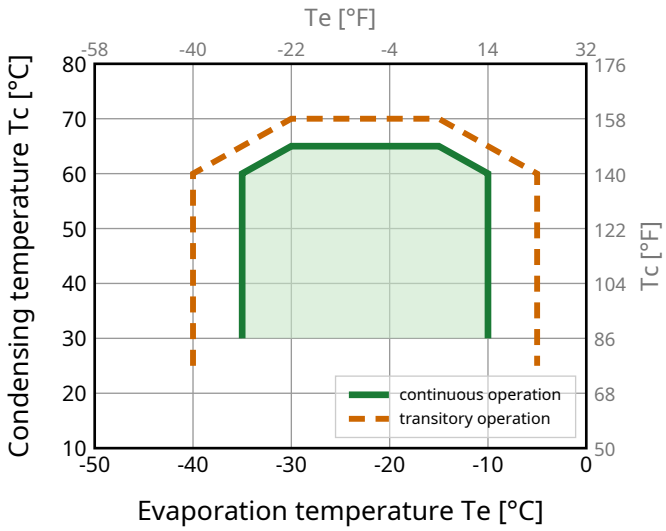


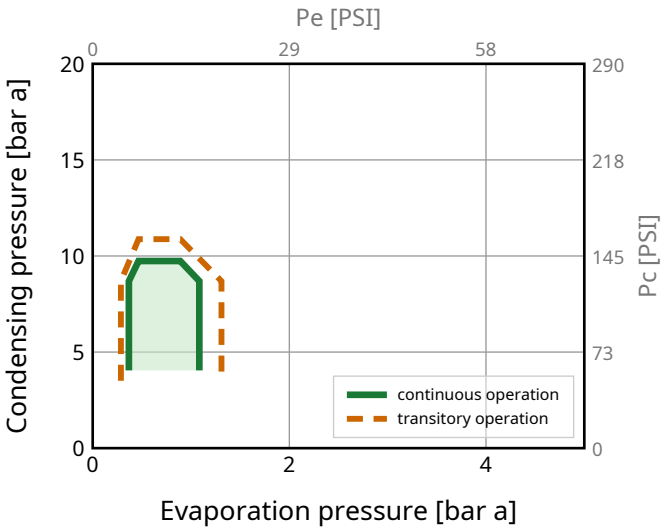
View full size

Components
. terminal board (PTC, 4.8mm) 16403800
. run capacitor (4µF, 4.8mm) 11261700
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
HXK95AT Configuration 3

Sales code:
16409200

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	**173**	592	149	**1.68**	5.72	104	0.58	1.86	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**130**	444	112	**1.32**	4.50	99	0.56	1.70	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**94**	320	81	**1.39**	4.75	67	0.45	1.14	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**140**	478	121	**1.39**	4.75	101	0.57	2.04	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**179**	611	154	**1.88**	6.40	96	0.55	1.93	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**89**	304	77	**1.36**	4.65	66	0.44	1.06	**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	**89**	304	77	**1.36**	4.65	66	0.44	1.06
-30	-22	**117**	398	100	**1.42**	4.84	82	0.50	1.39
-25	-13	**149**	507	128	**1.57**	5.35	95	0.55	1.77
-20	-4	**187**	638	161	**1.78**	6.09	105	0.59	2.23
-15	5	**234**	798	201	**2.04**	6.97	114	0.63	2.79
-10	14	**291**	993	250	**2.32**	7.92	125	0.67	3.48

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

-35	-31	**60**	206	52	**1.05**	3.59	57	0.41	0.79
-30	-22	**95**	325	82	**1.18**	4.02	81	0.49	1.24
-25	-13	**130**	444	112	**1.32**	4.50	99	0.56	1.70
-20	-4	**167**	571	144	**1.49**	5.07	113	0.62	2.18
-15	5	**208**	711	179	**1.67**	5.71	125	0.67	2.73
-10	14	**256**	873	220	**1.87**	6.39	136	0.72	3.36

Model
HXK95AT Configuration 4

Sales code:
16409200

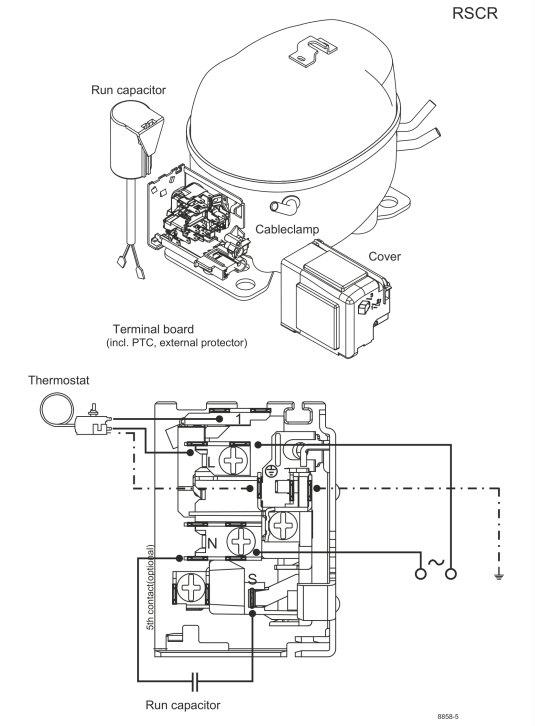
Configuration

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	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**6 A**
RLA (rated load amps / 1s/ U(N))	**0.55 A**
Cut in current (U(N))	**13.1 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

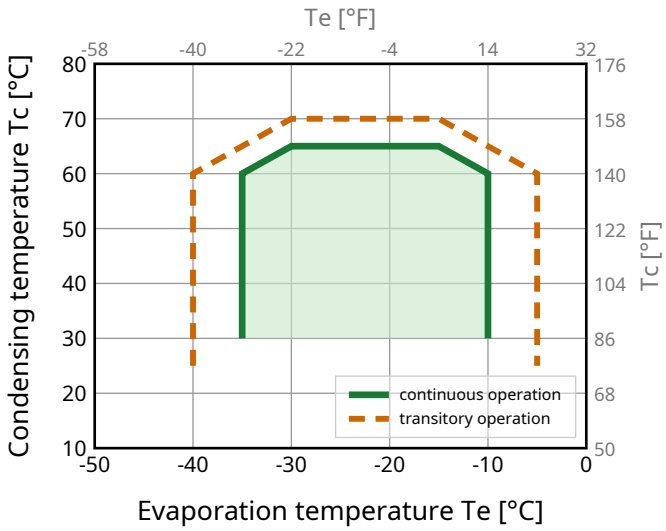


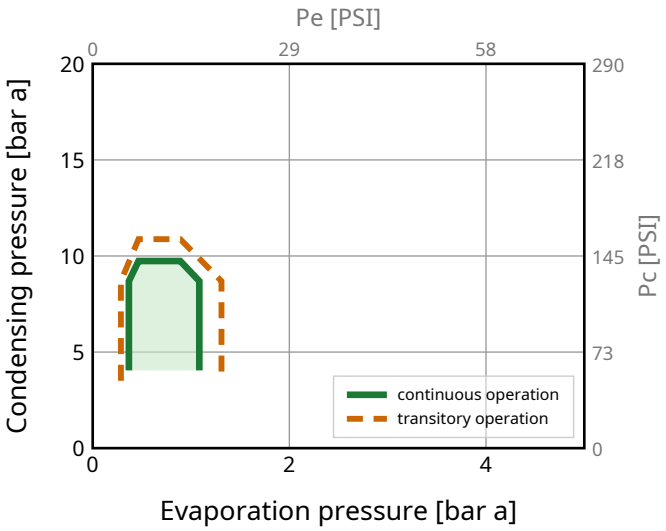
View full size

Components
. terminal board (PTC, 4.8mm) 16403800
. run capacitor (4µF, 4.8mm) 11261700
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
HXK95AT Configuration 4

Sales code:
16409200

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	**201**	684	173	**1.77**	6.03	114	0.59	2.16	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**151**	516	130	**1.39**	4.73	109	0.56	1.97	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**116**	395	100	**1.36**	4.65	85	0.40	1.41	**EN12900 LBP**
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	**161**	551	139	**1.46**	4.99	110	0.58	2.35	**ARI540 LBP**
-23.3 -10	40.6 105.1	32.2 90	32.2 90	**207**	705	178	**1.97**	6.72	105	0.56	2.22	**AHAM LBP**
-35 -31	45 113	32 89.6	45 113	**114**	388	98	**1.31**	4.49	86	0.38	1.35	**opt LBP**

Performance Tables

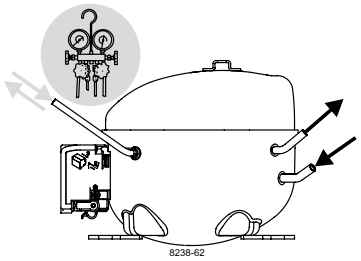
R600a, 220 V/60 Hz, RSCR, static

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	**114**	388	98	**1.31**	4.49	86	0.38	1.35
-30	-22	**136**	463	117	**1.44**	4.92	94	0.47	1.61
-25	-13	**170**	581	146	**1.64**	5.59	104	0.55	2.03
-20	-4	**217**	740	187	**1.87**	6.39	116	0.60	2.59
-15	5	**274**	937	236	**2.13**	7.28	129	0.65	3.28
-10	14	**342**	1167	294	**2.41**	8.22	142	0.71	4.10

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

-35	-31	**95**	325	82	**1.10**	3.75	87	0.33	1.24
-30	-22	**118**	403	102	**1.22**	4.16	97	0.46	1.54
-25	-13	**151**	516	130	**1.39**	4.73	109	0.56	1.97
-20	-4	**194**	662	167	**1.57**	5.37	123	0.64	2.53
-15	5	**245**	837	211	**1.77**	6.06	138	0.70	3.21
-10	14	**304**	1037	261	**1.98**	6.76	153	0.77	3.99



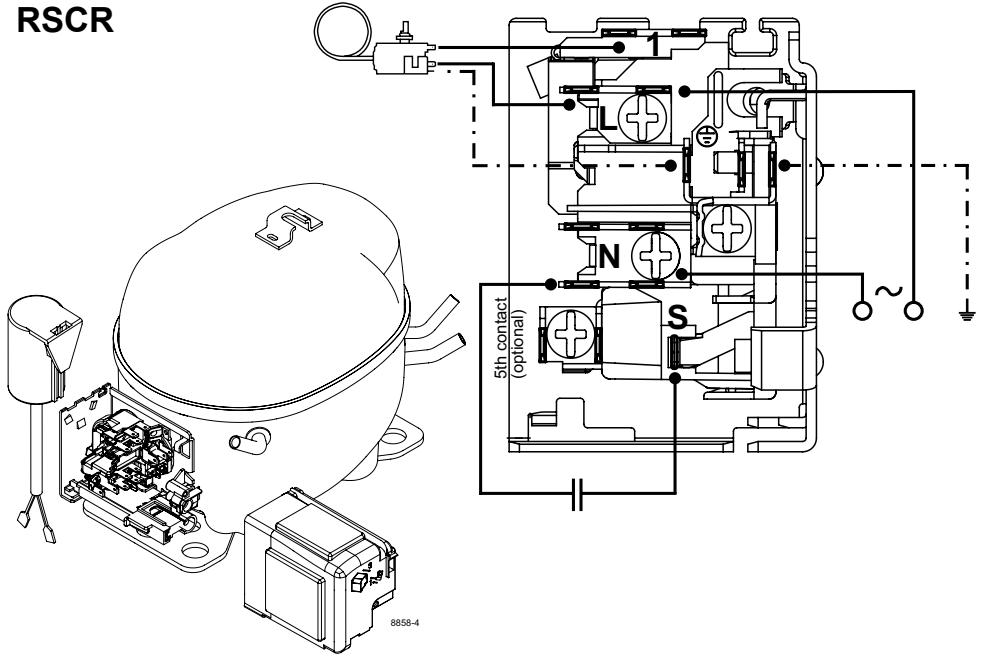
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

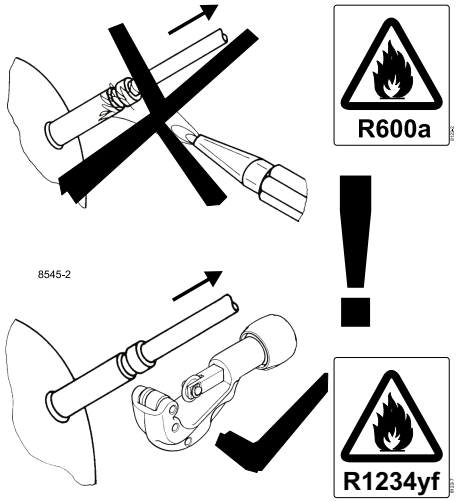
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

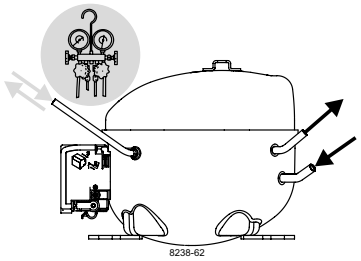
RSCR



Service/Repair – R600a, R1234yf

(applies to all flammable refrigerants)





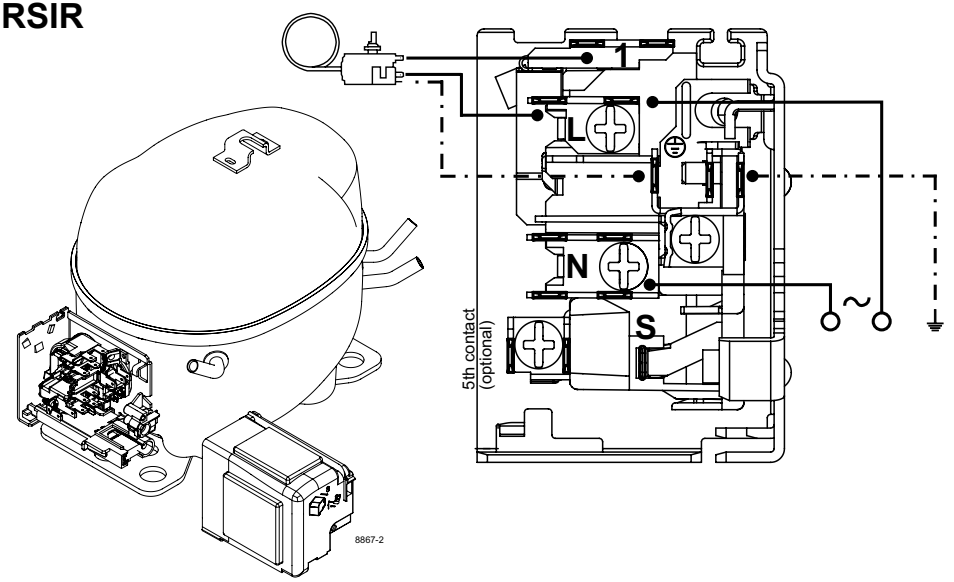
K-Series Compressors
GTK, HKK, HMK, HTK, HXK, HZK

SECOP

Keep electrical equipment clear from oil, chemicals, and water

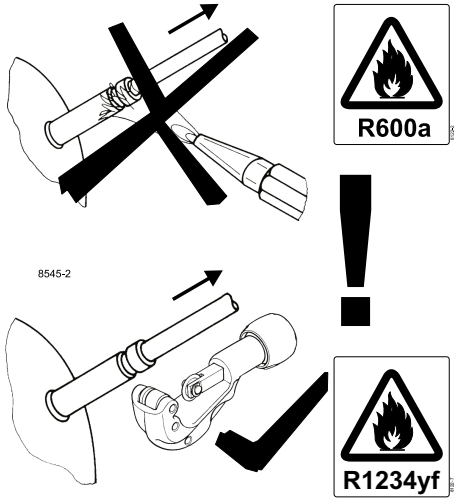
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

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**