Model
HXK95AT

Sales code:
16438100

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:
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Compressor Design

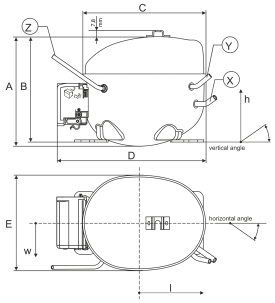
Oil type	**Mineral**	Winding resistance main	**15.5 Ohm**
Oil viscosity	**5cSt**	Winding resistance aux	**9.9 Ohm**
Oil quantity	**165 / 5.58fl.oz**	Max. winding temp.	**130 °C**
Free gas volume comp.	**1,560 cm3 / 52.75fl.oz**	Max. discharge temp.	**130°C / 266°F**
Motor protection	**external**		

Compressor Dimensions

Housing

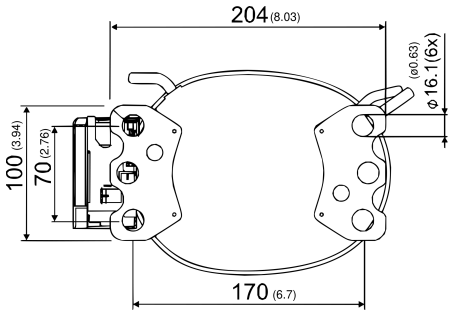
A Height	**174mm / 6.85in**
B Height	**167mm / 6.57in**
C Length shell	**194mm / 7.64in**
D Length w. cover	**238mm / 9.37in**
E Width	**151mm / 5.94in**

Find 3D Model here



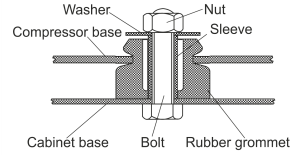
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

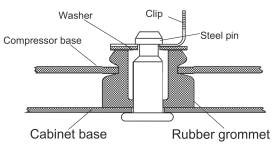


Dimensions in mm [in]

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:
16438100

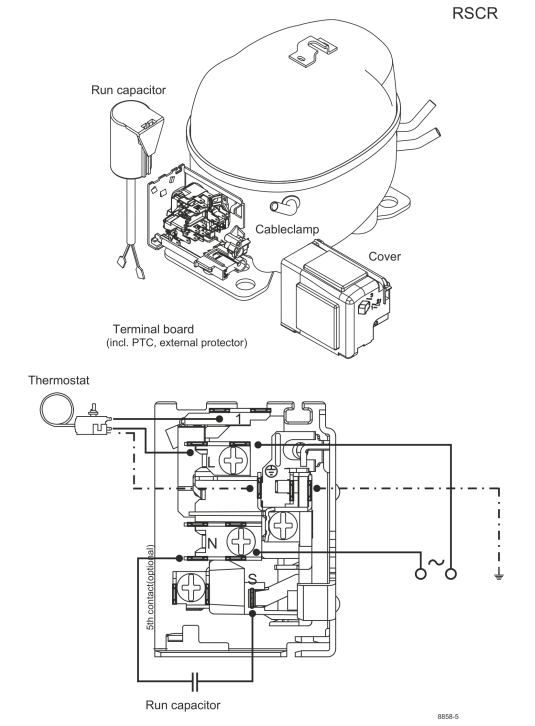
Configuration

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

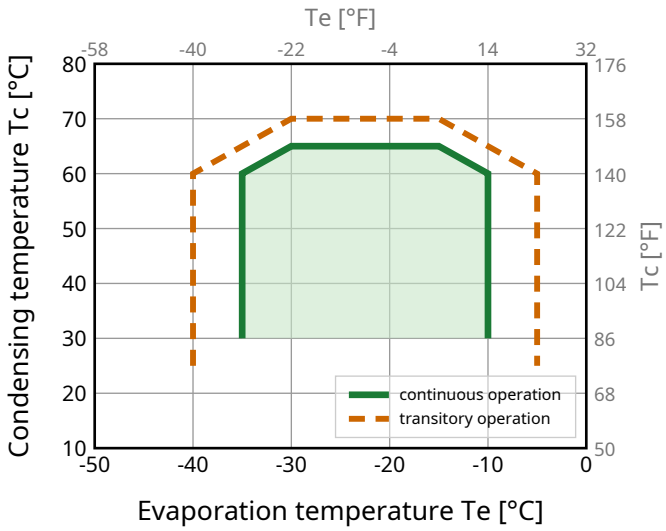


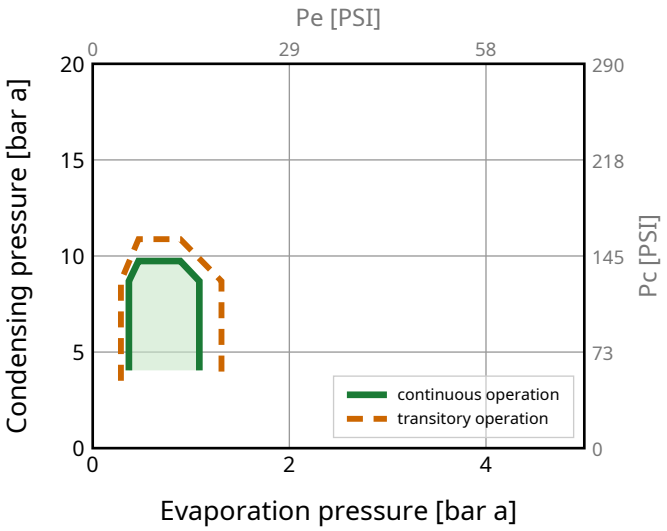
View full size

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:
16438100

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:
16438100

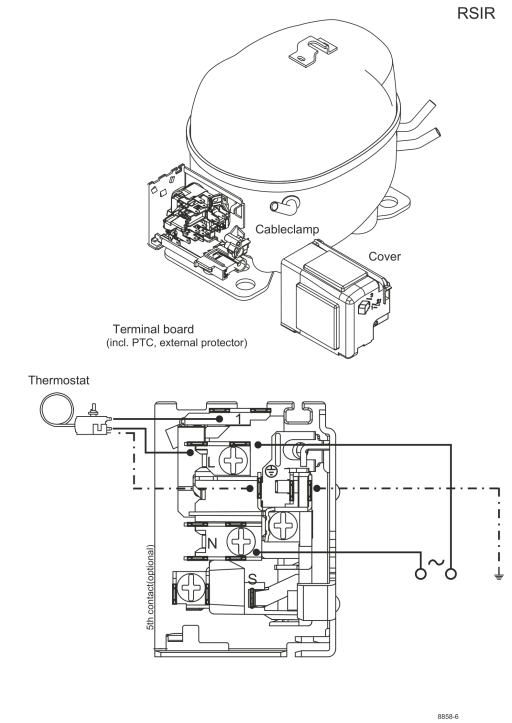
Configuration

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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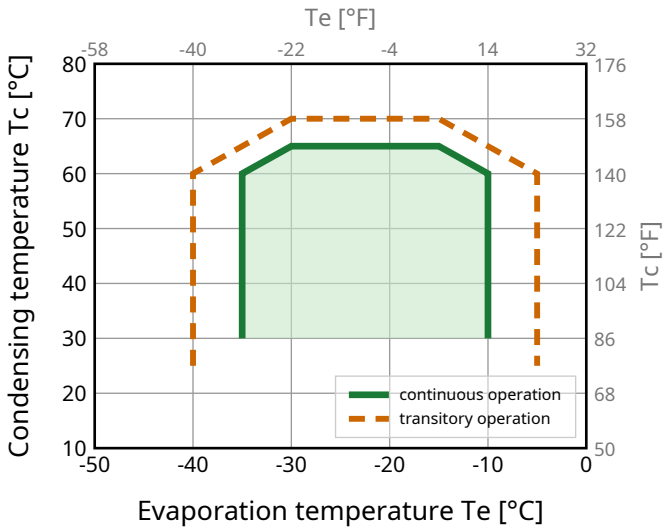
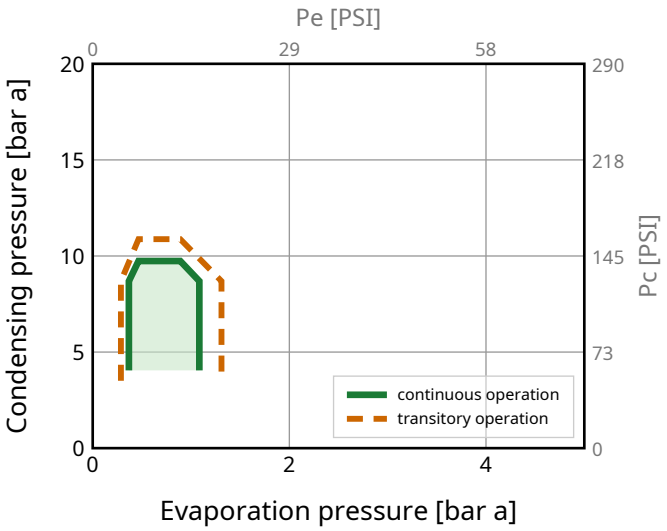
Components
. terminal board (PTC, 4.8mm) 16403800
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200
. screw uni en iso 4757 10641201

Alternative components
. terminal board (PTC, 6.3mm) 16403600

Operation Pressure Range





Model
HXK95AT Configuration 2

Sales code:
16438100

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:
16438100

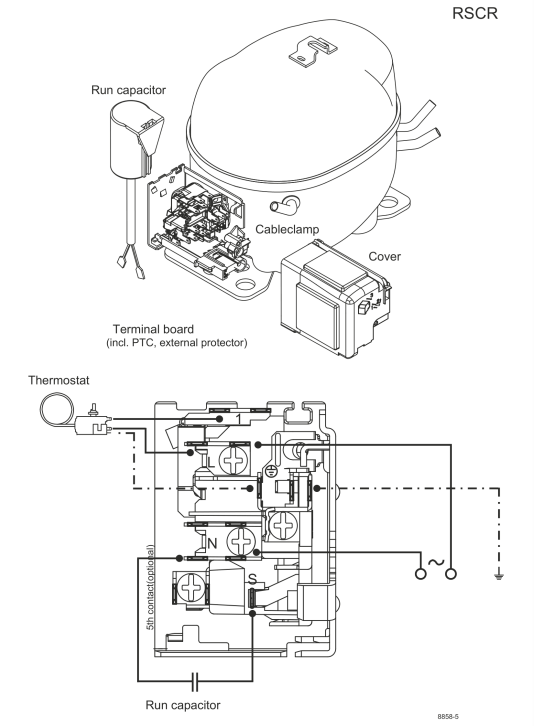
Configuration

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



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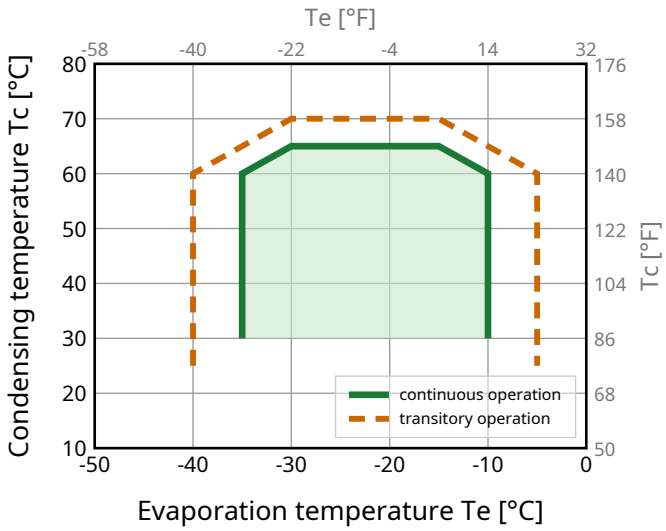
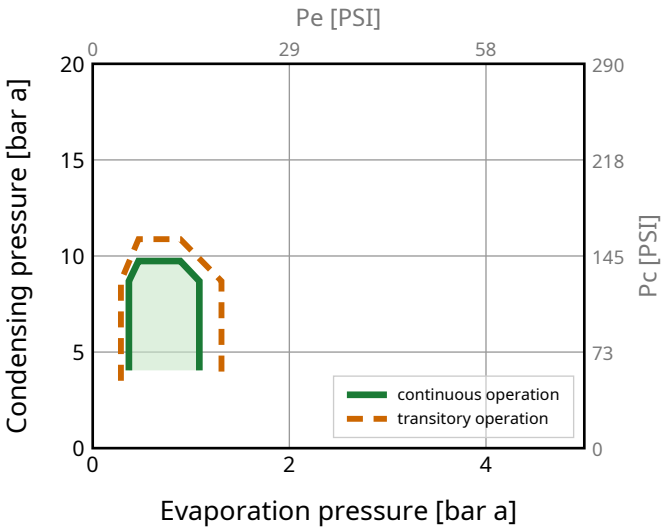
Components
. terminal board (PTC, 4.8mm) 16403800
. run capacitor (4µF, 4.8mm) 11261700
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model
HXK95AT Configuration 3

Sales code:
16438100

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:
16438100

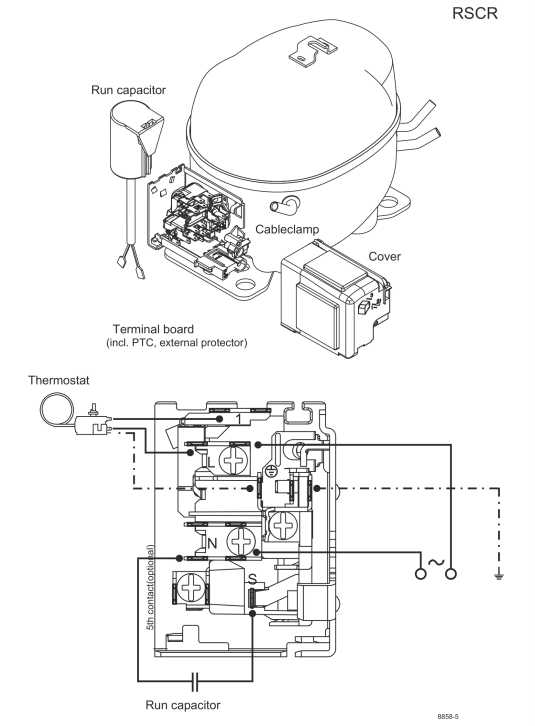
Configuration

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



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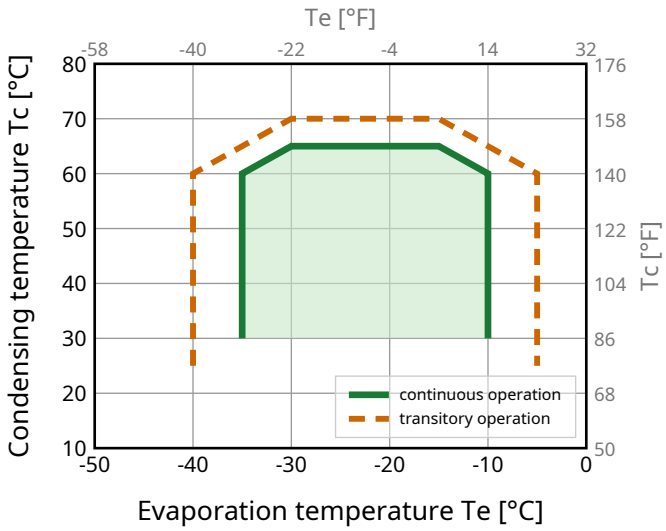
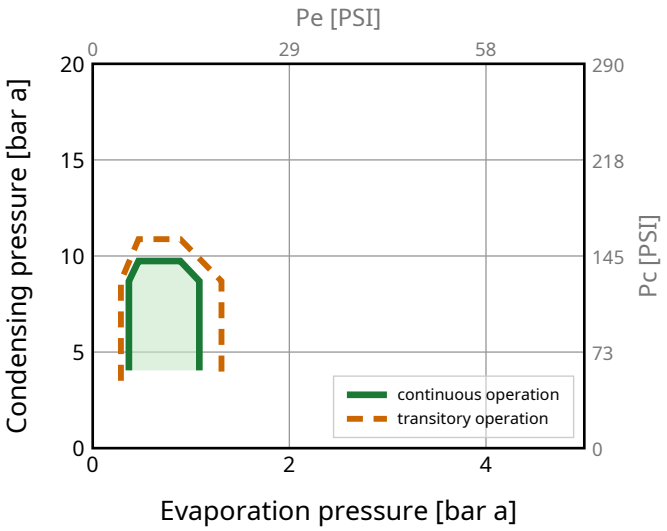
Components
. terminal board (PTC, 4.8mm) 16403800
. run capacitor (4µF, 4.8mm) 11261700
b cover terminal board 10636401
. cable clamp 16058100
. screw - uni6954 10636000
. screw - uni6954 10636200

Alternative components
. screw uni en iso 4757 10641201

Operation Pressure Range





Model

HXK95AT Configuration 4

Sales code:

16438100

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