

Model
HXK13AT

Sales code:
CDO00222

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	8.90 kg / 19.62lbs
Displacement	12.50 cm3 / 0.76cu.in
Compressors on pallet	100



General – Configurations With HXK13AT

-	Conf. 1
Motor configuration	RSCR
Power supply (nominal)	200-240 V/50 Hz
Number of phases	1
Voltage range	180-264 V
Approvals	VDE
Starting torque	LST
Refrigerant	R600a
Application	LBP

Application Notes

- Various options of housing are possible (dip-tray fixture) - please contact SECOP-Sales.
- Various options of connectors are possible - please contact SECOP-Sales.
- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

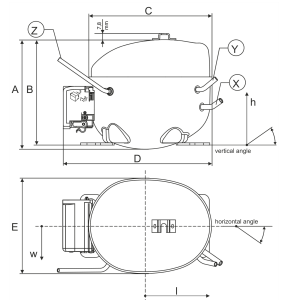
Oil type	Mineral	Winding resistance main	12.4 Ohm
Oil viscosity	5cSt	Winding resistance aux	15.3 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,600 cm ³ / 54.10fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

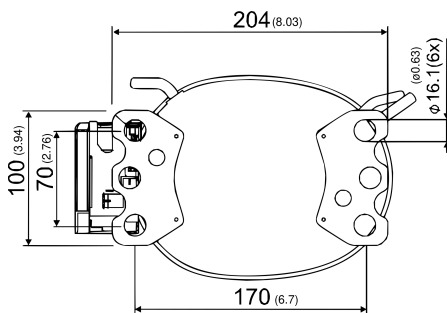
A Height	174mm / 6.85in
B Height	167mm / 6.57in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



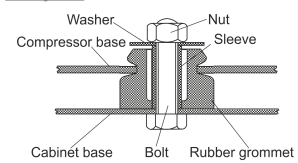
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 4.3–4.6 / 0.17–0.18in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	35°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70 / -5.51/5.35/2.76in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	12 / 0.47in

Mounting Accessories

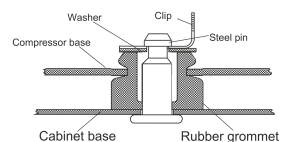


Dimensions in mm [in]

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

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Configuration 1

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Configuration

Motor configuration	RSCR
Power supply (nominal)	200-240 V/50 Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	180-264 V
Starting torque	LST
Approvals	VDE
Starting device type	PTC
Run capacitor	4 μF
Start capacitor	-/-
LRA (locked rotor amps / 4s/ U(N))	8.2 A
Cut in current (U(N))	16.4 A

Ambient/ machine room temperatures minimum /maximum

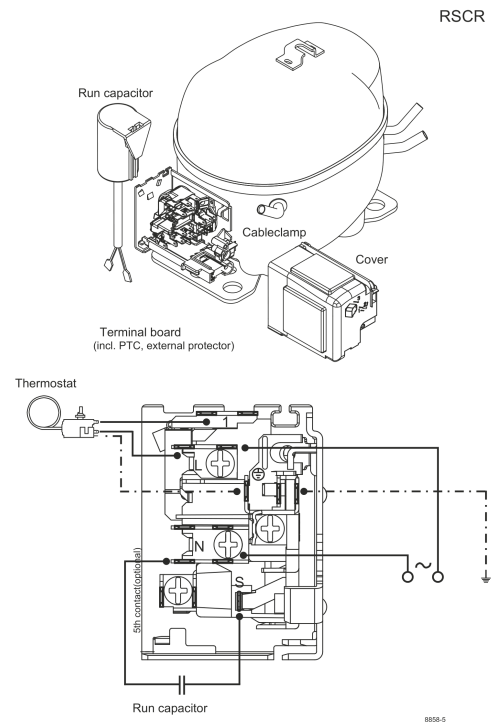
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling

static

Electrical Accessories / Wiring Diagram



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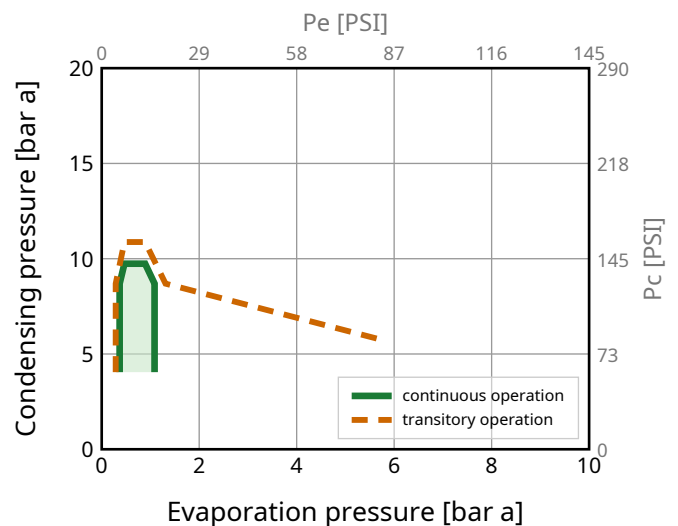
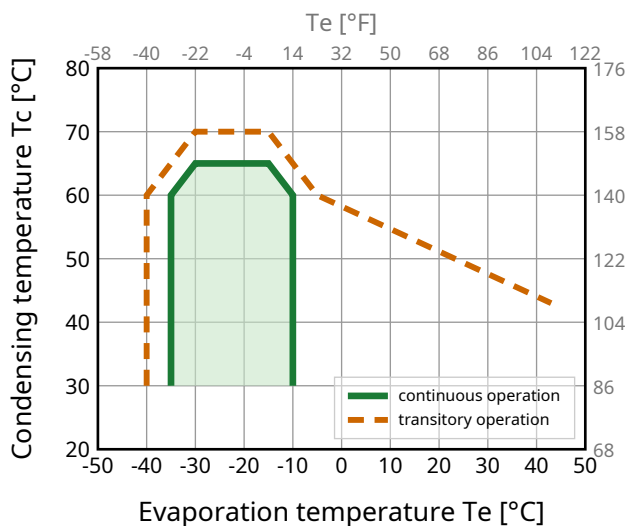
Components

- . terminal board (PTC, 4.8mm, K100) ZC F9
- . run capacitor (4 μ F, 4.8/6, 3mm) cap. 4 μ F
- . motor protector BDG AE 11 BJ x AE11BJX
- . cover + clamp + screws (Nr. 4ZN) 16168000

Alternative components

- . terminal board (PTC, 6.3mm, K100) DC F9
- . run capacitor (4 μ F, 4.8/6, 3mm) cap. 4 μ F
- . motor protector BDG AE 11 BJ x AE11BJX
- . cover + clamp + screws (Nr. 4ZN) 16168000

Operation Pressure Range



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Standard Conditions

R600a, 200 V/50 Hz, RSCR, static

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°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	226	772	195	1.65	5.61	138	0.74	2.43	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	171	583	147	1.30	4.45	131	0.71	2.23	CECOMAF LBP
-35 -31	40 104	20 68	40 104	117	400	101	1.42	4.86	82	0.46	1.43	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	182	621	156	1.34	4.57	136	0.74	2.65	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	235	801	202	1.76	6.02	133	0.72	2.52	AHAM LBP
-35 -31	45 113	32 89.6	45 113	113	386	97	1.31	4.47	86	0.48	1.34	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	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	113	386	97	1.31	4.47	86	0.48	1.34
-30	-22	149	509	128	1.39	4.74	108	0.59	1.77
-25	-13	193	658	166	1.51	5.15	128	0.70	2.30
-20	-4	245	836	211	1.66	5.66	148	0.80	2.92
-15	5	307	1046	264	1.83	6.25	167	0.90	3.66
-10	14	379	1292	326	2.02	6.89	188	1.00	4.54

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

-35	-31	96	327	82	0.99	3.36	97	0.54	1.24
-30	-22	130	445	112	1.15	3.94	113	0.62	1.70
-25	-13	171	583	147	1.30	4.45	131	0.71	2.23
-20	-4	218	745	188	1.44	4.92	151	0.82	2.85
-15	5	274	934	235	1.57	5.34	175	0.94	3.58
-10	14	338	1154	291	1.68	5.72	202	1.07	4.44