

Model
HXK55AA

Sales code:
15650400

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	8.50 kg / 18.74lbs
Displacement	5.60 cm3 / 0.34cu.in
Compressors on pallet	100



General – Configurations With HXK55AA

-	Conf. 1	Conf. 2
Motor configuration	eRSCR	RSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	187-264 V	187-264 V
Approvals	VDE	VDE
Starting torque	LST	LST
Refrigerant	R600a	R600a
Application	LBP	LBP

Application Notes

- E-PTC is 1.5 W more energy efficient - same polynomial
- 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.

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Compressor Design

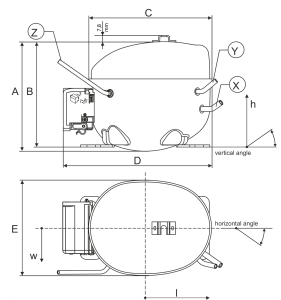
Oil type	Mineral	Winding resistance main	35.2 Ohm
Oil viscosity	5cSt	Winding resistance aux	23.1 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,500 cm ³ / 50.72fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

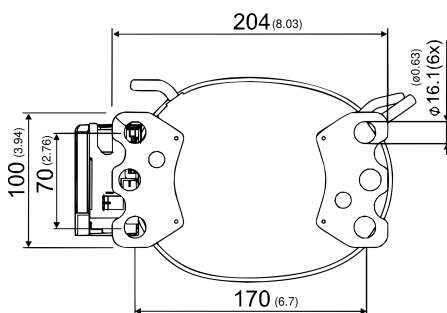
A Height	166mm / 6.54in
B Height	159mm / 6.26in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



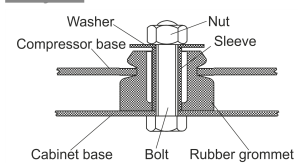
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

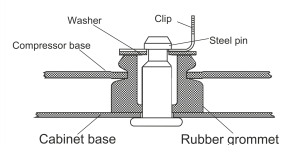


Dimensions in mm [in]

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

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Configuration 1

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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

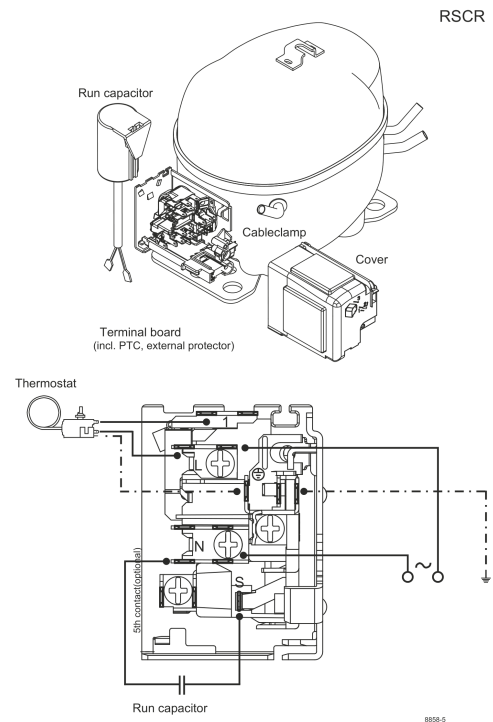
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram



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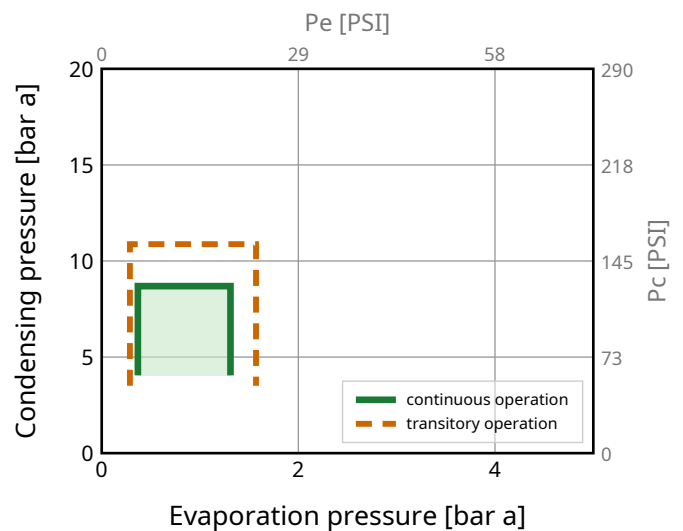
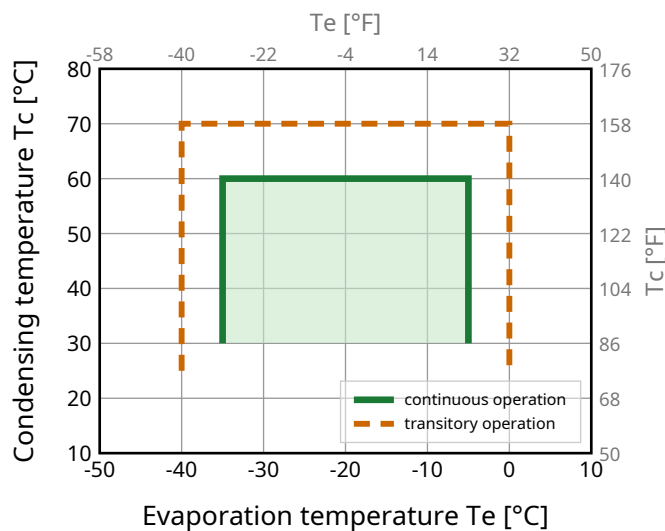
Components

- . terminal board (e-PTC, 4.8mm) 15624200
- . run capacitor (3 μ F, 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



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Configuration 1

Sales code:
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Standard Conditions

R600a, 220 V/50 Hz, eRSCR, 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	97	331	83	1.83	6.23	53	0.25	1.04	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	72	246	62	1.43	4.88	50	0.24	0.94	CECOMAF LBP
-35 -31	40 104	20 68	40 104	48	162	41	1.32	4.51	36	0.20	0.58	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	81	277	70	1.55	5.28	52	0.25	1.18	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	110	376	95	2.13	7.27	52	0.24	1.18	AHAM LBP
-35 -31	45 113	32 89.6	45 113	45	152	38	1.26	4.29	36	0.20	0.53	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	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	45	152	38	1.26	4.29	36	0.20	0.53
-30	-22	65	220	56	1.51	5.16	43	0.22	0.77
-25	-13	87	298	75	1.76	5.99	50	0.24	1.04
-20	-4	113	385	97	2.00	6.82	56	0.26	1.34
-15	5	141	481	121	2.24	7.65	63	0.28	1.68
-10	14	172	586	148	2.49	8.50	69	0.30	2.06
-5	23	205	700	177	2.75	9.38	75	0.33	2.46

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

-35	-31	36	122	31	1.06	3.61	34	0.19	0.47
-30	-22	52	178	45	1.25	4.25	42	0.21	0.68
-25	-13	72	246	62	1.43	4.88	50	0.24	0.94
-20	-4	95	324	82	1.62	5.52	59	0.27	1.24
-15	5	121	414	104	1.80	6.14	68	0.30	1.59
-10	14	151	515	130	1.98	6.76	76	0.33	1.98
-5	23	184	627	158	2.16	7.36	85	0.36	2.42

Model
HXK55AA

Configuration 2

Sales code:
15650400

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

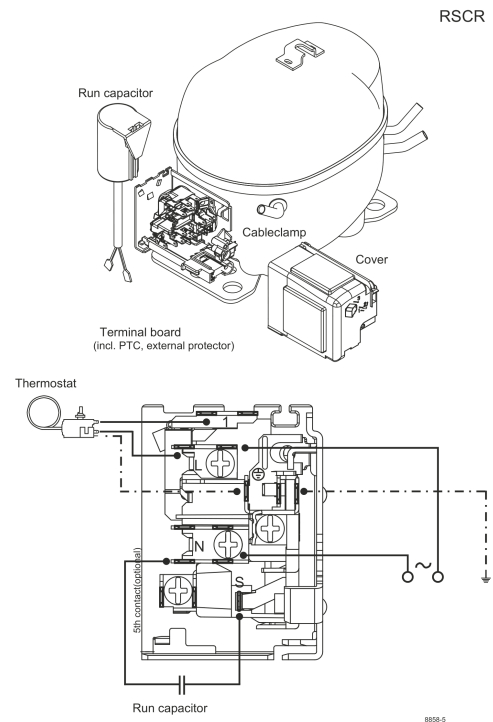
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System Cooling

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Electrical Accessories / Wiring Diagram



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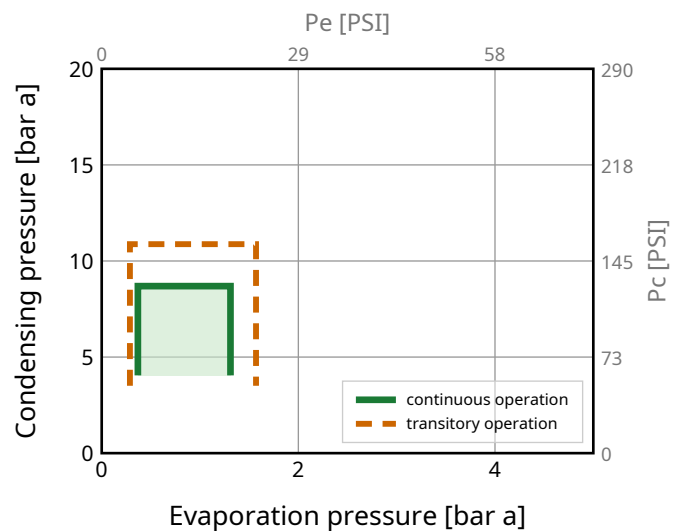
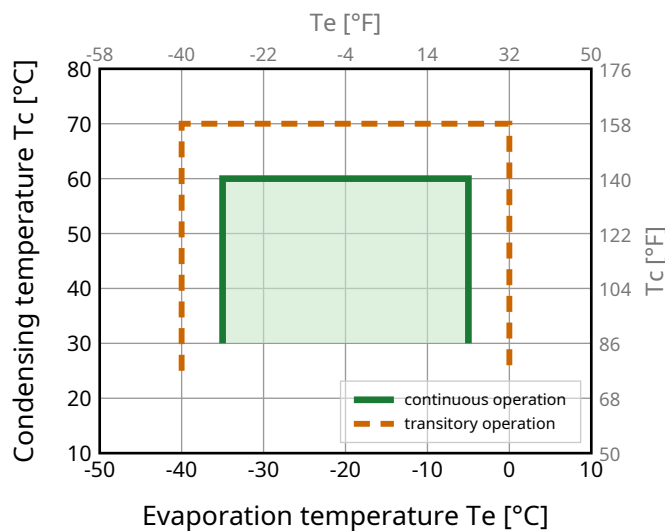
Components

- . terminal board (PTC, 6.3mm) 15162200
- . run capacitor (3 μ F, 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



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