

Model

Designation	HXK55AA	220-240V/50Hz 1~	Sales code:	15650400
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Compressor design

Oil type	Mineral	Refrigerant(s)	R600a
Oil viscosity	5cSt	Displacement	5,6cm ³ / 0,34cu.in
Oil quantity	162cm ³ / 5,5fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	150g / 5,3oz		
Free gas volume comp.	1500cm ³ / 50,7fl.oz		
Weight	8,5kg / 18,7lbs		
Motor protection	external		
Winding resistance main	35,2Ω (at 25°C)		
Winding resistance aux	23,1Ω (at 25°C)		
Max. winding temp.	130°C / 266°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with HXK55AA

	Conf. 1	Conf. 2
Motor configuration	eRSCR	RSCR
Power supply (nominal)	220-240V/50Hz	220-240V/50Hz
Number of phases	1	1
Voltage range	187-264V	187-264V
Approvals	VDE	VDE
Starting torque	LST	LST
Note	E-PTC is 1.5W more energy efficient - same polynomial	

Applications with HXK55AA

	Conf. 1	Conf. 2
Refrigerant	R600a	R600a
Application	LBP	LBP
System cooling	static	static
Hot gas defrost	-/-	-/-
Long interval pull down	-/-	-/-

Electrical data - Configurations with HXK55AA

	Conf. 1	Conf. 2
Starting device type	e-PTC	PTC
Run capacitor	3μF	3μF
Start capacitor	-/-	-/-
LRA (locked rotor amps / 4s/ U(N))		
RLA (rated load amps / 1s/ U(N))	-/-A	-/-A
Cut in current (U(N))		

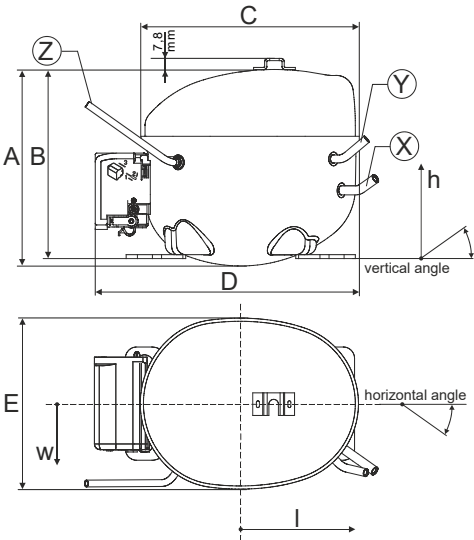
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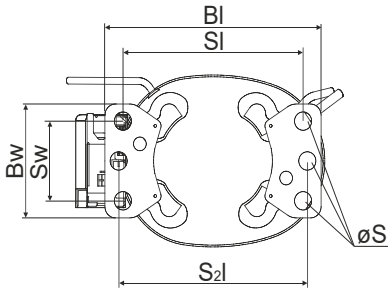
Compressor dimensions

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

Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6,1-6,2	øi 5,1-5,2	øo 5,92-6,08
(i:inside, o:outside) [in]	øi 0,24-0,24	øi 0,2-0,2	øo 0,23-0,24
Material	copper	copper	copper
Horizontal angle	±2° 45°	13°	0°
Vertical angle	±2° 30°	40°	145°
Position l/h/w [mm]	120/72/62	112/106/62	-140/136/70
	[in] 4,7/2,8/2,4	4,4/4,2/2,4	-5,5/5,4/2,8
Straight tube l.	[mm] 14	14	75
	[in] 0,5	0,5	3

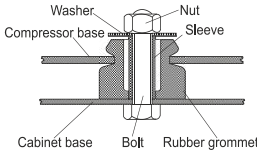


Compressor fixation

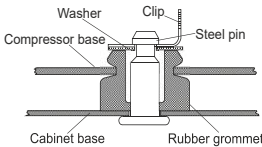


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

Bolt joint



Snap-on



Mounting accessories

- '4ZN' with rubber grommet
- '4ZN' with rubber grommet and sleeve for M6
- Bolt joint kit
- '4ZN' with Snap on kit

- order code
- 772N
 - 768N
 - 4ZN + 118-1917 (18)
 - 776N

Application notes

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.

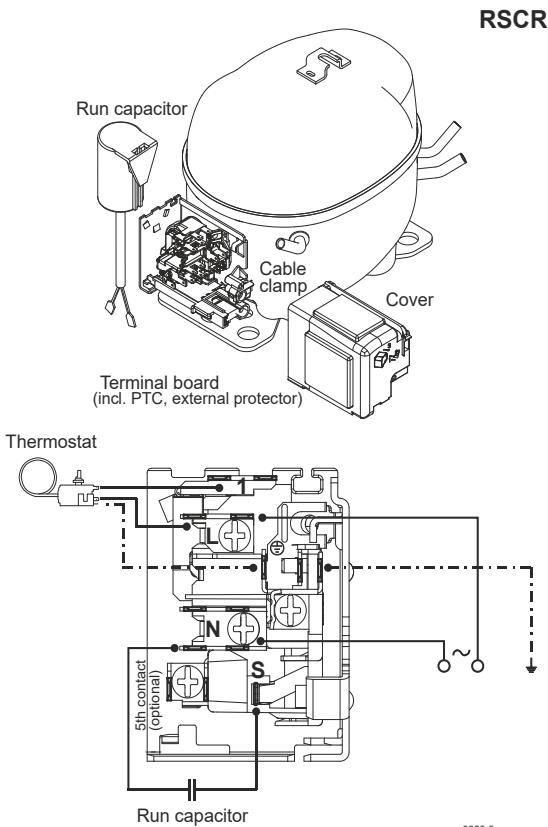
Model

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Configuration

Motor configuration	eRSCR
Power supply (nominal)	220-240V/50Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	187-264V
Starting torque	LST
Approvals	VDE

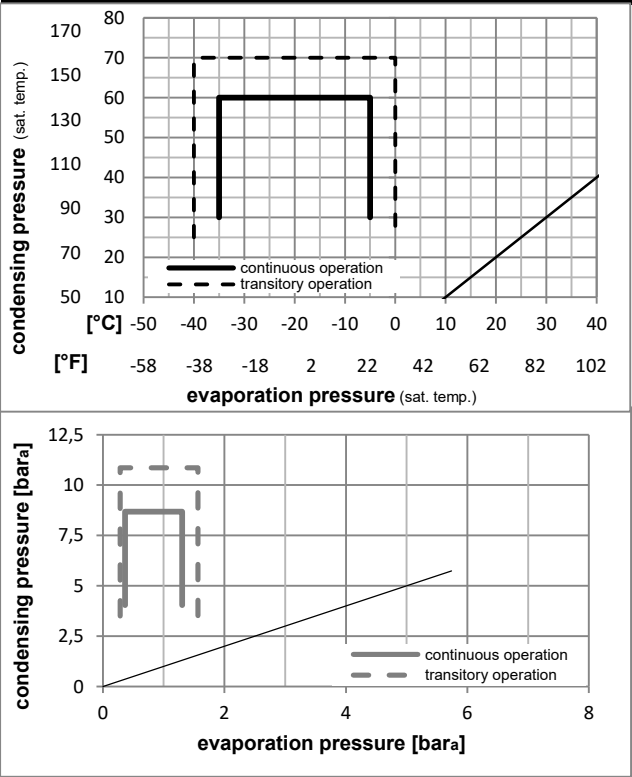
Electrical accessories / wiring diagram



Ambient/ machine room temperatures minimum /maximum

Ambient temperature range:	10 - 43°C / 50 - 110°F
Machine room temperature range:	10 - 48°C / 50 - 119°F
Compressor cooling:	static

Operation pressure range



Components

. terminal board (e-PTC, 4.8mm)	15624200
. run capacitor (3µF, 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
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Model

Designation **HXK55AA** **220-240V/50Hz** Conf. 1 Sales code: **15650400**

Optimization + standard conditions

R600a, 220V/50Hz, eRSCR, static, VDE

Evaporating pressure (saturation temperature)					Condensing pressure (saturation temperature)						Power consumption																																																																														
Return gas temp.					Current consumption						Ref. mass flow																																																																														
Liquid temp.					Cooling capacity						COP				EER				P1				I				ṁ																																																														
pe					pc					RGT					Tliq					[W]					[Btu/h]					[kcal/h]					[W/W]					[Btu/Wh]					[kcal/Wh]					[W]					[A]					[kg/h]																													
[°C]					-23					54					32					32					96,9					331					83,4					1,83					6,24					1,57					53,0					0,25					1,04					ASHRAE LBP																			
[°F]					-10					130					90					90																																																																					
[°C]					-25					55					32					55					72,0					246					62,0					1,43					4,89					1,23					50,3					0,24					0,94					cecomaf LBP																			
[°F]					-13					131					90					131																																																																					
[°C]					-35					40					20					40					47,6					163					41,0					1,32					4,51					1,14					36,0					0,20					0,58					EN12900 LBP																			
[°F]					-31					104					68					104																																																																					
[°C]					-23					49					4,4					49					80,7					276					69,5					1,54					5,27					1,33					52,4					0,25					1,18					ARI540 LBP																			
[°F]					-10					120					40					120																																																																					
[°C]					-23					41					32					32					110,1					376					94,7					2,13					7,28					1,83					51,6					0,24					1,18					AHAM LBP																			
[°F]					-10					105					90					90																																																																					
[°C]					-35					45					32					45					44,6					152					38,3					1,26					4,29					1,08					35,5					0,20					0,53					opt																			
[°F]					-31					113					90					113																																																																					

Performance tables

R600a, 220V/50Hz, eRSCR, static, VDE

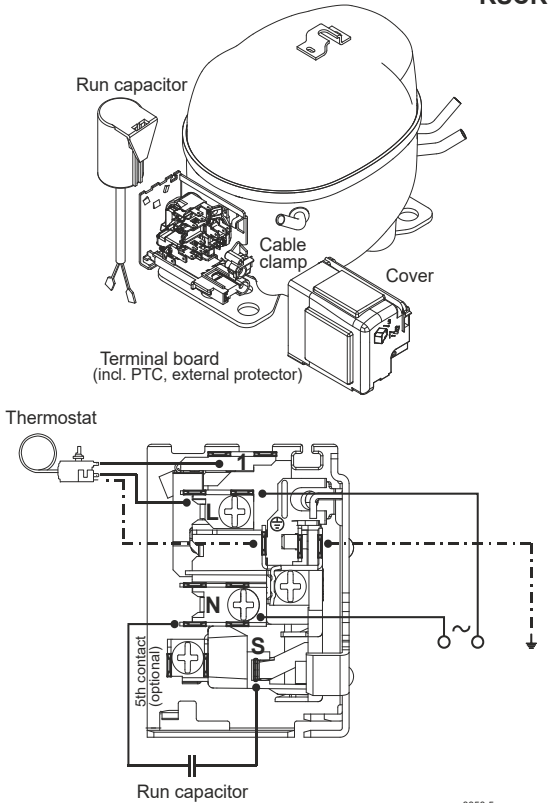
	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	44,6	152	38,3	1,26	4,29	1,08	35,5	0,20	0,53
cond. pressure	-30	-22	64,6	221	55,6	1,51	5,16	1,30	42,7	0,22	0,77
pc= 45/113	-25	-13	87,3	298	75,2	1,76	6,00	1,51	49,7	0,24	1,04
return gas temp.	-23	-10	95,7	327	82,3	1,84	6,28	1,58	52,0	0,24	1,14
RGT= 32/90	-20	-4	112,8	385	97,1	2,00	6,83	1,72	56,4	0,26	1,34
liquid temp	-15	5	140,9	481	121,3	2,24	7,66	1,93	62,8	0,28	1,68
Tliq= 45/113	-5	23	205,3	701	176,7	2,75	9,39	2,37	74,7	0,33	2,46
[°C / °F]	-35	-31	35,9	122	30,9	1,06	3,62	0,91	33,9	0,19	0,47
cond. pressure	-30	-22	52,3	178	45,0	1,24	4,25	1,07	42,0	0,21	0,68
pc= 55/131	-25	-13	72,0	246	62,0	1,43	4,89	1,23	50,3	0,24	0,94
return gas temp	-23	-10	79,5	271	68,4	1,49	5,10	1,29	53,2	0,25	1,04
RGT= 32/90	-20	-4	95,1	325	81,8	1,62	5,52	1,39	58,8	0,27	1,24
liquid temp	-15	5	121,4	415	104,5	1,80	6,15	1,55	67,5	0,30	1,59
Tliq= 55/131	-5	23	183,9	628	158,3	2,16	7,37	1,86	85,2	0,36	2,42

Model					
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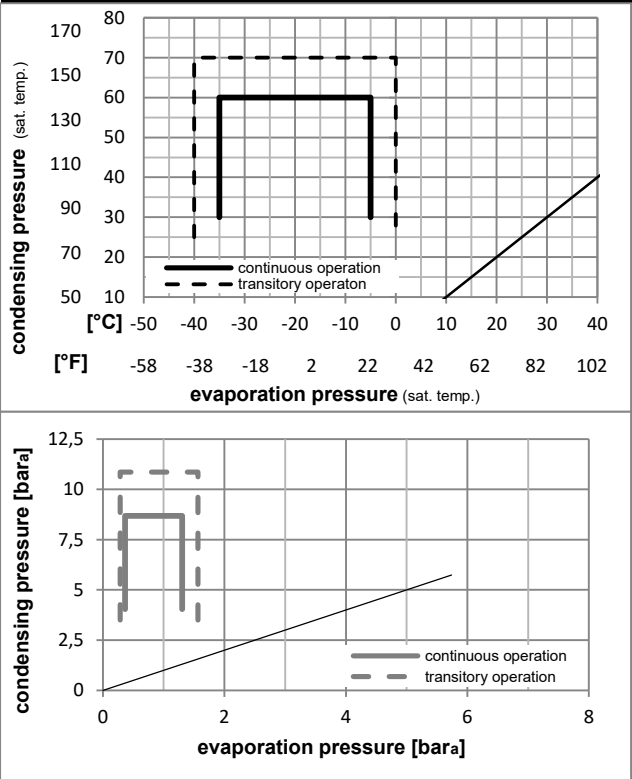
Configuration	Electrical accessories / wiring diagram				
Motor configuration	RSCR	RSCR			
Power supply (nominal)	220-240V/50Hz 1~				
Refrigerant	R600a				
Application	LBP				
Voltage range	187-264V				
Starting torque	LST				
Approvals	VDE				

Ambient/ machine room temperatures minimum /maximum

Ambient temperature range:	10 - 43°C / 50 - 110°F
Machine room temperature range:	10 - 48°C / 50 - 119°F
Compressor cooling:	static



Operation pressure range



Components		
.	terminal board (PTC, 6.3mm)	15162200
.	run capacitor (3µF, 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

Model

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Optimization + standard conditions

R600a, 220V/50Hz, RSCR, static, VDE

Evaporating pressure (saturation temperature)				Condensing pressure (saturation temperature)			Return gas temp.			Liquid temp.			Cooling capacity			COP			EER			Power consumption			Current consumption			Ref. mass flow		
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	P1	I	m	[W]	[A]	[kg/h]	P1	I	m	[W]	[A]	[kg/h]	P1	I	m	[W]	[A]	[kg/h]
[°C]	-23	54	32	32	96,9	331	83,4	1,83	6,24	1,57	53,0	0,25	1,04	ASHRAE LBP																
[°F]	-10	130	90	90																										
[°C]	-25	55	32	55	72,0	246	62,0	1,43	4,89	1,23	50,3	0,24	0,94	cecomaf LBP																
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[°C]	-35	40	20	40	47,6	163	41,0	1,32	4,51	1,14	36,0	0,20	0,58	EN12900 LBP																
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[°C]	-23	49	4,4	49	80,7	276	69,5	1,54	5,27	1,33	52,4	0,25	1,18	ARI540 LBP																
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Performance tables

R600a, 220V/50Hz, RSCR, static, VDE

	pe		Cooling capacity			COP		EER		P1		I		m	
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	[W]	[A]	[kg/h]	[kg/h]
[°C / °F]	-35	-31	44,6	152	38,3	1,26	4,29	1,08	35,5	0,20	0,53				
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RGT= 32/90	-20	-4	112,8	385	97,1	2,00	6,83	1,72	56,4	0,26	1,34				
liquid temp	-15	5	140,9	481	121,3	2,24	7,66	1,93	62,8	0,28	1,68				
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