

Model

Designation	HXK95AA	220-240V/50Hz 1~	Sales code:	16348100
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Compressor design

Oil type	Mineral	Refrigerant(s)	R600a
Oil viscosity	5cSt	Displacement	9,6cm ³ / 0,59cu.in
Oil quantity	162cm ³ / 5,5fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	150g / 5,3oz		
Free gas volume comp.	1560cm ³ / 52,7fl.oz		
Weight	9,3kg / 20,5lbs		
Motor protection	external		
Winding resistance main	22,4Ω (at 25°C)		
Winding resistance aux	15,3Ω (at 25°C)		
Max. winding temp.	130°C / 266°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with HXK95AA

	Conf. 1
Motor configuration	RSCR
Power supply (nominal)	220-240V/50Hz
Number of phases	1
Voltage range	187-264V
Approvals	VDE
Starting torque	LST
Note	Various options of connectors are possible - please contact SECOP-Sales.

Applications with HXK95AA

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

Electrical data - Configurations with HXK95AA

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

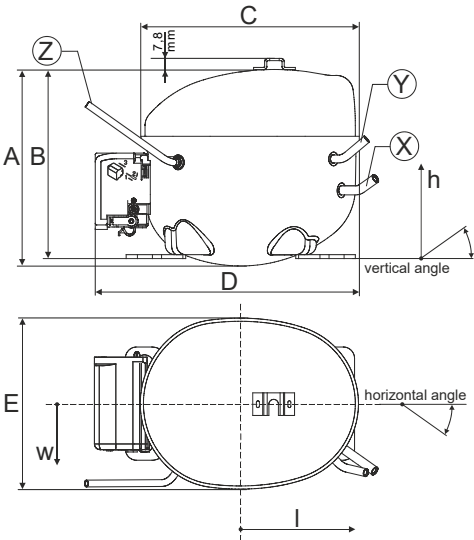
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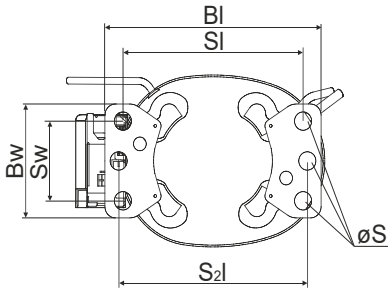
Compressor dimensions

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

Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6,1-6,2	øi 5,1-5,2	øi 4,3-4,6
(i:inside, o:outside) [in]	øi 0,24-0,24	øi 0,2-0,2	øi 0,17-0,18
Material	copper	copper	copper
Horizontal angle	±2° 45°	13°	0°
Vertical angle	±2° 35°	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	12
	[in] 0,5	0,5	0,5

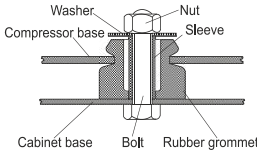


Compressor fixation

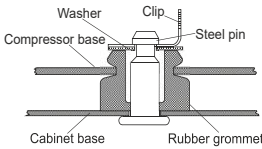


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

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.

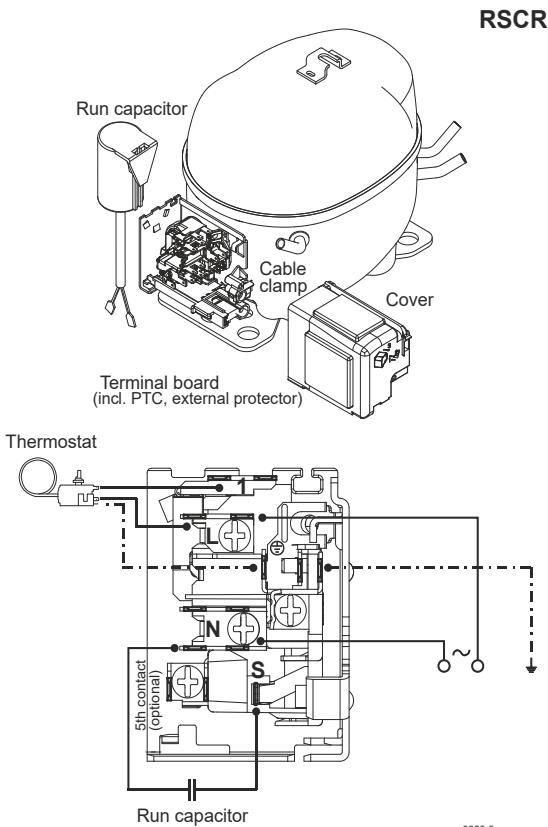
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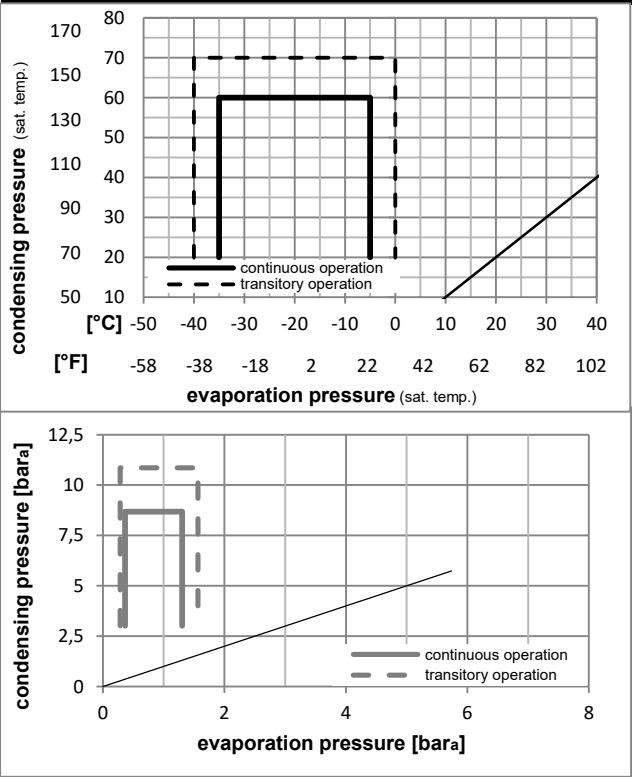
Electrical accessories / wiring diagram



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 (PTC, 4.8mm)	15163500
. run capacitor (4µF, 4.8mm)	11261700
b cover terminal board	10636401
. cable clamp	16058100
. screw - uni6954	10636000
. screw - uni6954	10636200

Alternative components

. terminal board (PTC, 6.3mm)	15279300
. run capacitor (4µF, 6.3mm)	15186801
. 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)						Power consumption			
Return gas temp.					Liquid temp.						Current consumption			
Cooling capacity					COP		EER		P1		I		Ref. mass flow	
pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	ṁ		
[°C]	[°C]											[kg/h]		
[°C]	-23	54	32	32	171,0	584	147,2	1,91	6,52	1,64	89,5	0,40	1,84	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	128,6	439	110,7	1,50	5,13	1,29	85,6	0,39	1,68	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	87,8	300	75,5	1,42	4,87	1,23	61,6	0,31	1,07	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-23	49	4,4	49	139,1	475	119,8	1,59	5,42	1,37	87,7	0,39	2,03	ARI540 LBP
[°F]	-10	120	40	120										
[°C]	-23	41	32	32	184,2	629	158,5	2,16	7,36	1,86	85,4	0,38	1,98	AHAM LBP
[°F]	-10	105	90	90										
[°C]	-35	45	32	45	84,5	288	72,7	1,36	4,63	1,17	62,3	0,31	1,00	opt
[°F]	-31	113	90	113										

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]
[°C / °F]	-35	-31	84,5	288	72,7	1,36	4,63	1,17	62,3	0,31	1,00
cond. pressure	-30	-22	113,9	389	98,0	1,58	5,40	1,36	72,1	0,34	1,35
pc= 45/113	-25	-13	149,1	509	128,4	1,80	6,15	1,55	82,8	0,37	1,78
return gas temp.	-23	-10	162,4	555	139,8	1,88	6,41	1,61	86,6	0,38	1,93
RGT= 32/90	-20	-4	190,0	649	163,5	2,02	6,90	1,74	94,0	0,41	2,27
liquid temp	-15	5	236,4	807	203,5	2,24	7,65	1,93	105,5	0,44	2,82
Tliq= 45/113	-5	23	345,3	1179	297,2	2,70	9,21	2,32	128,0	0,55	4,15
[°C / °F]	-35	-31	72,9	249	62,7	1,14	3,89	0,98	64,0	0,32	0,95
cond. pressure	-30	-22	97,7	334	84,1	1,32	4,50	1,13	74,1	0,35	1,27
pc= 55/131	-25	-13	128,6	439	110,7	1,50	5,13	1,29	85,6	0,39	1,68
return gas temp	-23	-10	140,5	480	120,9	1,56	5,34	1,35	89,8	0,40	1,83
RGT= 32/90	-20	-4	165,6	565	142,5	1,68	5,75	1,45	98,3	0,43	2,16
liquid temp	-15	5	208,5	712	179,4	1,87	6,37	1,61	111,8	0,47	2,73
Tliq= 55/131	-5	23	311,6	1064	268,2	2,22	7,59	1,91	140,2	0,59	4,10