

Model

Designation	HKK55AA	220-240V/50Hz 1~	Sales code:	16212700
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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.	1520cm ³ / 51,4fl.oz		
Weight	7,9kg / 17,4lbs		
Motor protection	external		
Winding resistance main	39,2Ω (at 25°C)		
Winding resistance aux	25Ω (at 25°C)		
Max. winding temp.	130°C / 266°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with HKK55AA

	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 HKK55AA

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

Electrical data - Configurations with HKK55AA

	Conf. 1
Starting device type	PTC
Run capacitor	2,5μF
Start capacitor	-/-
LRA (locked rotor amps / 4s/ U(N))	
RLA (rated load amps / 1s/ U(N))	-/-A
Cut in current (U(N))	

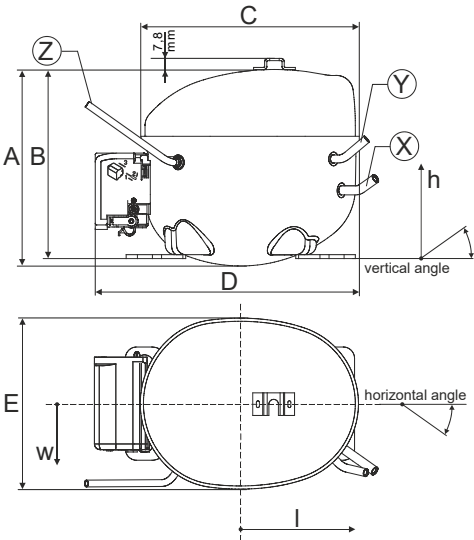
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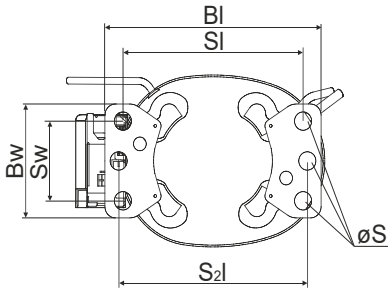
Compressor dimensions

Housing	A Height	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

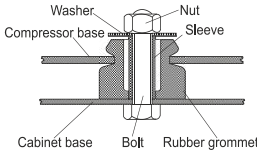


Compressor fixation

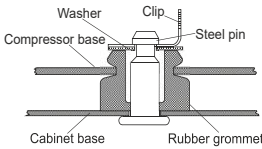


Baseplate	[mm]	[inch]
BI	204	8.03
Bw	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

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.

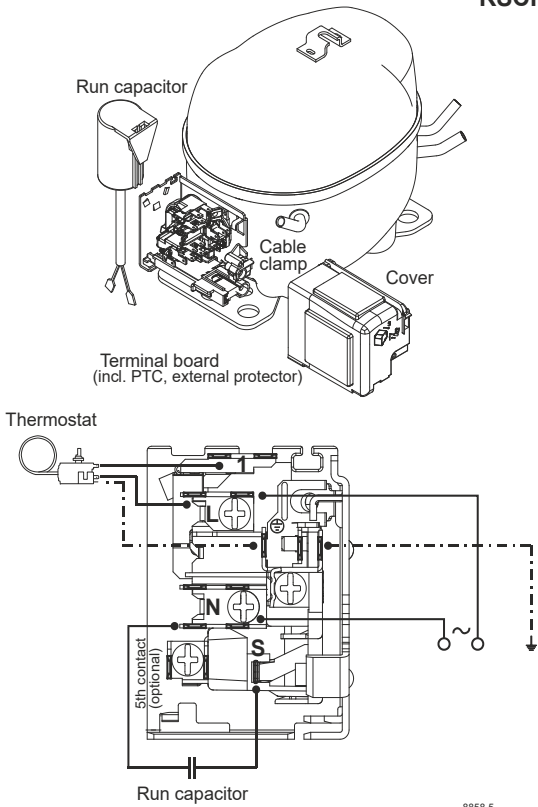
Model					
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Configuration

Electrical accessories / wiring diagram

Motor configuration	RSCR
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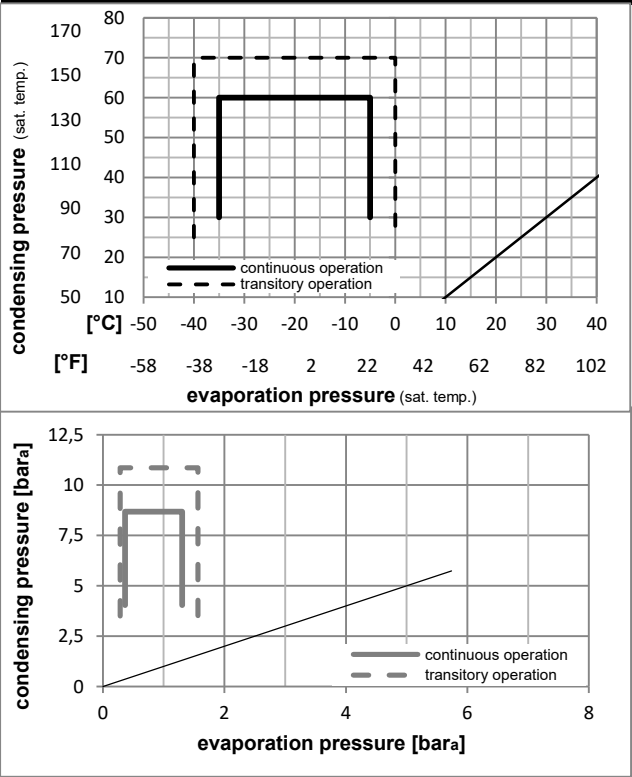
RSCR



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)	15166200
.	run capacitor (2,5µF, 4.8mm)	10692802
b	cover terminal board	10636401
.	cable clamp	16058100

<u>Alternative components</u>		
.	screw - uni6954	10636000
.	screw - uni6954	10636200
.	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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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]	
[°C / °F]	-35	-31	40,6	139	34,9	1,15	3,92	0,99		35,4		0,19		0,48	
cond. pressure	-30	-22	59,2	202	50,9	1,39	4,75	1,20		42,5		0,21		0,70	
pc= 45/113	-25	-13	81,2	277	69,9	1,63	5,58	1,41		49,7		0,23		0,97	
return gas temp.	-23	-10	89,5	305	77,0	1,72	5,86	1,48		52,1		0,23		1,07	
RGT= 32/90	-20	-4	106,6	364	91,7	1,88	6,41	1,61		56,8		0,24		1,27	
liquid temp	-15	5	135,4	462	116,5	2,12	7,23	1,82		64,0		0,26		1,62	
Tliq= 45/113	-5	23	203,2	694	174,9	2,60	8,87	2,23		78,2		0,30		2,44	
[°C / °F]	-35	-31	31,6	108	27,2	0,91	3,09	0,78		34,9		0,19		0,41	
cond. pressure	-30	-22	48,3	165	41,6	1,12	3,82	0,96		43,2		0,21		0,63	
pc= 55/131	-25	-13	68,5	234	59,0	1,33	4,54	1,14		51,6		0,23		0,89	
return gas temp	-23	-10	76,1	260	65,5	1,40	4,78	1,20		54,4		0,24		0,99	
RGT= 32/90	-20	-4	92,1	315	79,3	1,53	5,24	1,32		60,0		0,25		1,20	
liquid temp	-15	5	119,1	407	102,5	1,74	5,93	1,50		68,6		0,27		1,56	
Tliq= 55/131	-5	23	183,5	627	157,9	2,14	7,30	1,84		85,8		0,32		2,42	