

Model			
Designation	HMK95AA	220-240V/50Hz 1~	Sales code: 15853800

Compressor design

Oil type	Mineral	Refrigerant(s)	R600a
Oil viscosity	5cST	Displacement	9,6cm³ / 0,59cu.in
Oil quantity	162cm³ / 5,5fl.oz	Compressors on pallet	100
Refr. charge - tech. limit	150g / 5,3oz		
Free gas volume comp.	1500cm³ / 50,7fl.oz		
Weight	7,9kg / 17,4lbs		
Motor protection	external		
Winding resistance main	21,1Ω (at 25°C)		
Winding resistance aux	19,1Ω (at 25°C)		
Max. winding temp.	130°C / 266°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with HMK95AA

	Conf. 1
Motorconfiguration	RSIR
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 HMK95AA

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

Electrical data - Configurations with HMK95AA

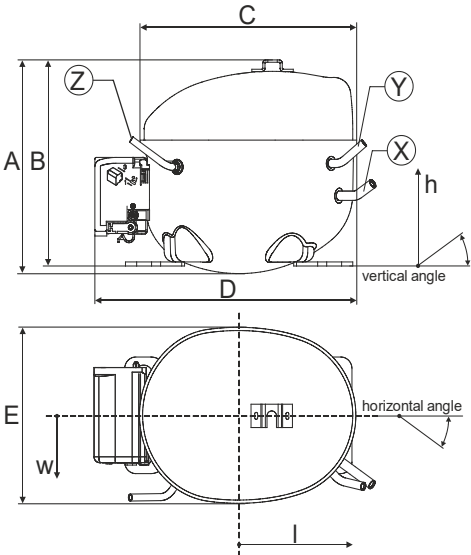
	Conf. 1
Starting device type	PTC
Run capacitor	-/-
Start capacitor	-/-
LRA (locked rotor amps / 4s/ U(N))	4,6A
RLA (rated load amps / 1s/ U(N))	1A
Cut in current (U(N))	10,1A

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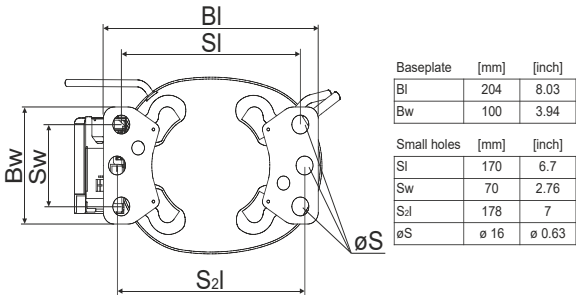
Compressor dimensions

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 6,16-6,24	øi 5,1-5,2	øi 6,11-6,29
(i:inside, o:outside)	[in]	øi 0,24-0,25	øi 0,2-0,2	øi 0,24-0,25
Material		copper	copper	copper
Horizontal angle	±2°	54°	35°	45°
Vertical angle	±2°	35°	40°	35°
Position l/h/w	[mm]	120/92/57	112/106/81	-86/94/72
	[in]	4,7/3,6/2,2	4,4/4,2/3,2	-3,4/3,7/2,8
Straight tube l.	[mm]	14	14	14
	[in]	0,5	0,5	0,5



Compressor fixation



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

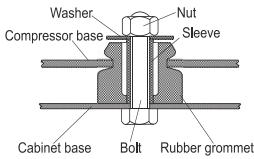
Application notes

Provision for PE Grounding is located at the PE Stamp on the compressor

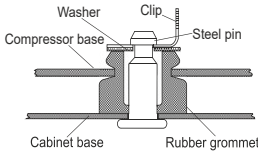
Housing with dip-tray fixture (omega bracket).

Various options of connectors are possible - please contact SECOP-Sales.

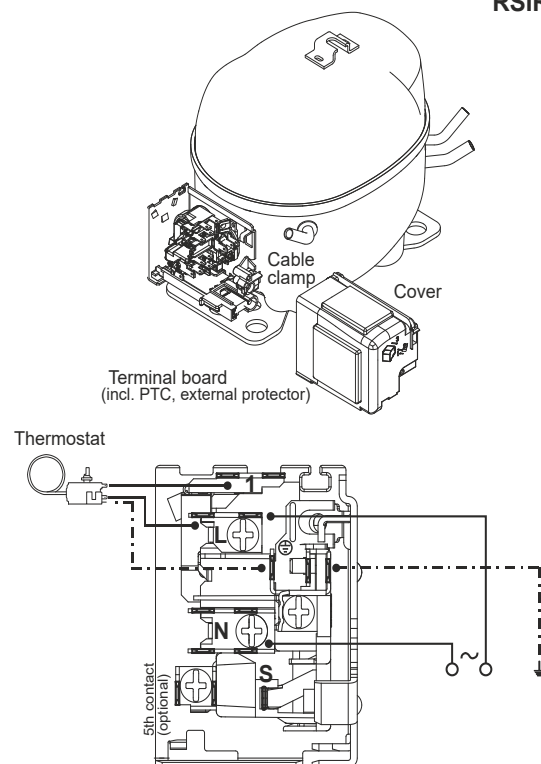
Bolt joint



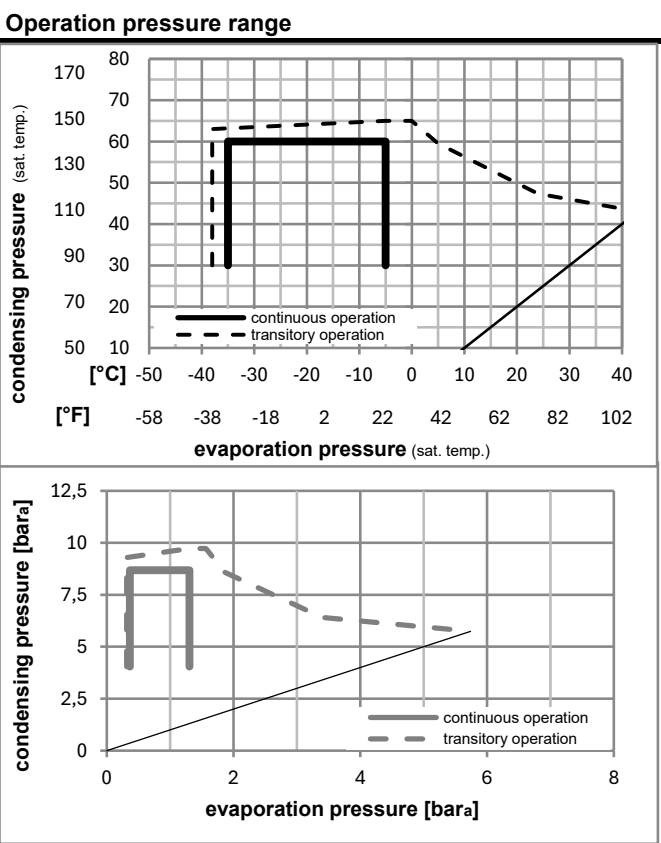
Snap-on



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Configuration		Electrical accessories / wiring diagram		
Motorconfiguration	RSIR			
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



Components		
.	terminal board (PTC, 4.8mm)	15163500
b	cover terminal board	10636401
.	cable clamp	11341000
.	screw - uni6954	10636000
.	screw - uni6954	10636200
.	screw uni en iso 4757	10641201

Alternative components		
.	terminal board (PTC, 6.3mm)	15279300

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Optimization + standard conditions

R600a, 220V/50Hz, RSIR, 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]	P1	I	m	
[°C]	-23	54	32	32							[W]	[A]	[kg/h]	
[°F]	-10	130	90	90	166,9	570	143,6	1,53	5,22	1,31	109,3	0,76	1,79	ASHRAE LBP
[°C]	-25	55	32	55										
[°F]	-13	131	90	131	125,0	427	107,6	1,19	4,07	1,02	105,0	0,74	1,63	cecomaf LBP
[°C]	-35	40	20	40										
[°F]	-31	104	68	104	72,9	249	62,7	0,99	3,38	0,85	73,7	0,63	0,89	EN12900 LBP
[°C]	-23	49	4,4	49										
[°F]	-10	120	40	120	134,4	459	115,7	1,28	4,38	1,10	104,7	0,75	1,96	ARI540 LBP
[°C]	-23	41	32	32										
[°F]	-10	105	90	90	175,0	598	150,6	1,77	6,04	1,52	99,0	0,74	1,88	AHAM LBP
[°C]	-35	45	32	45										
[°F]	-31	113	90	113	72,5	248	62,4	0,96	3,29	0,83	75,4	0,62	0,86	opt

Performance tables

R600a, 220V/50Hz, RSIR, 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	72,5	248	62,4	0,96	3,29	0,83	75,4	0,62	0,86
cond. pressure	-30	-22	104,4	357	89,9	1,21	4,12	1,04	86,5	0,67	1,24
pc= 45/113	-25	-13	141,8	484	122,1	1,45	4,94	1,25	98,0	0,73	1,69
return gas temp.	-23	-10	155,8	532	134,1	1,53	5,22	1,31	102,0	0,75	1,86
RGT= 32/90	-20	-4	184,7	631	158,9	1,68	5,75	1,45	109,7	0,78	2,20
liquid temp	-15	5	233,0	796	200,5	1,92	6,56	1,65	121,2	0,84	2,78
Tliq= 45/113	-5	23	345,9	1181	297,7	2,41	8,23	2,08	143,5	0,96	4,15
[°C / °F]	-35	-31	66,7	228	57,4	0,85	2,89	0,73	78,9	0,60	0,87
cond. pressure	-30	-22	92,9	317	79,9	1,02	3,47	0,87	91,4	0,67	1,21
pc= 55/131	-25	-13	125,0	427	107,6	1,19	4,07	1,02	105,0	0,74	1,63
return gas temp	-23	-10	137,3	469	118,1	1,25	4,27	1,08	109,8	0,77	1,79
RGT= 32/90	-20	-4	163,0	557	140,3	1,36	4,66	1,17	119,5	0,81	2,13
liquid temp	-15	5	207,0	707	178,2	1,54	5,25	1,32	134,8	0,89	2,71
Tliq= 55/131	-5	23	312,6	1067	269,0	1,88	6,41	1,61	166,6	1,04	4,11