

Model

Designation	HTK95AA	220-240V/50Hz 1~	Sales code:	16070700
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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.	1600cm³ / 54,1fl.oz		
Weight	8,3kg / 18,3lbs		
Motor protection	external		
Winding resistance main	19,3Ω (at 25°C)		
Winding resistance aux	11,3Ω (at 25°C)		
Max. winding temp.	130°C / 266°F		
Max. discharge temp.	130°C / 266°F		



General - Configurations with HTK95AA

	Conf. 1	Conf. 2
Motorconfiguration	RSIR	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	Various options of connectors are possible - please contact SECOP-Sales.	

Applications with HTK95AA

	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 HTK95AA

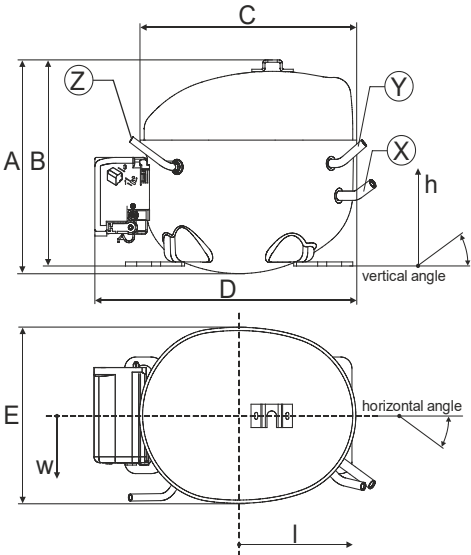
	Conf. 1	Conf. 2
Starting device type	PTC	PTC
Run capacitor	-/-	4μF
Start capacitor	-/-	-/-
LRA (locked rotor amps / 4s/ U(N))		
RLA (rated load amps / 1s/ U(N))	-/-A	-/-A
Cut in current (U(N))		

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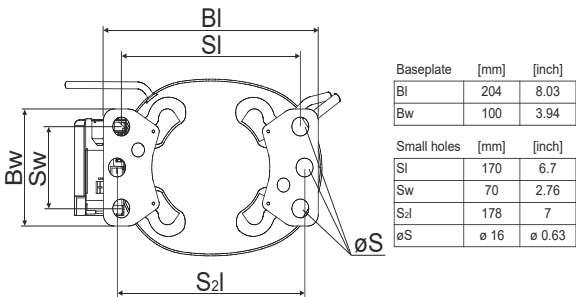
Compressor dimensions

Housing	A Height	182mm / 7,17in
	B Height	175mm / 6,89in
	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

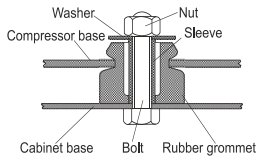


Compressor fixation

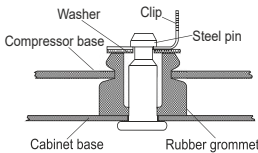


Baseplate	[mm]	[inch]
BI	204	8.03
BW	100	3.94
Small holes	[mm]	[inch]
SI	170	6.7
Sw	70	2.76
S2l	178	7
øS	ø 16	ø 0.63

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

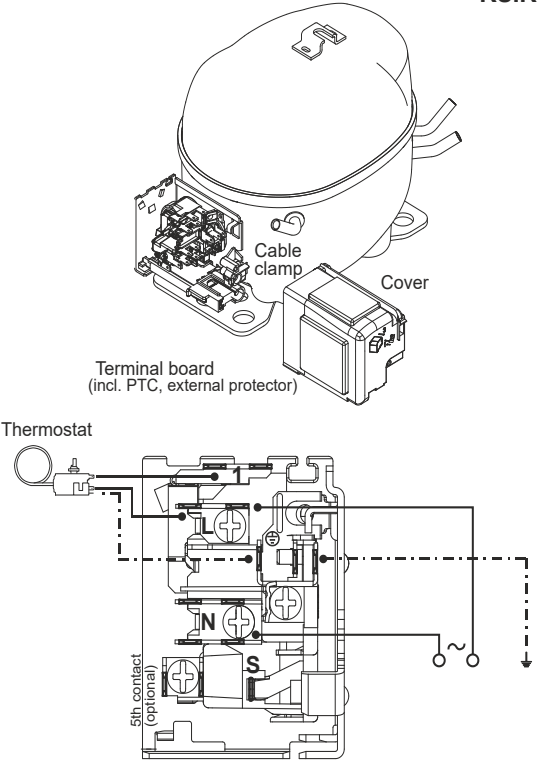
Application notes

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.

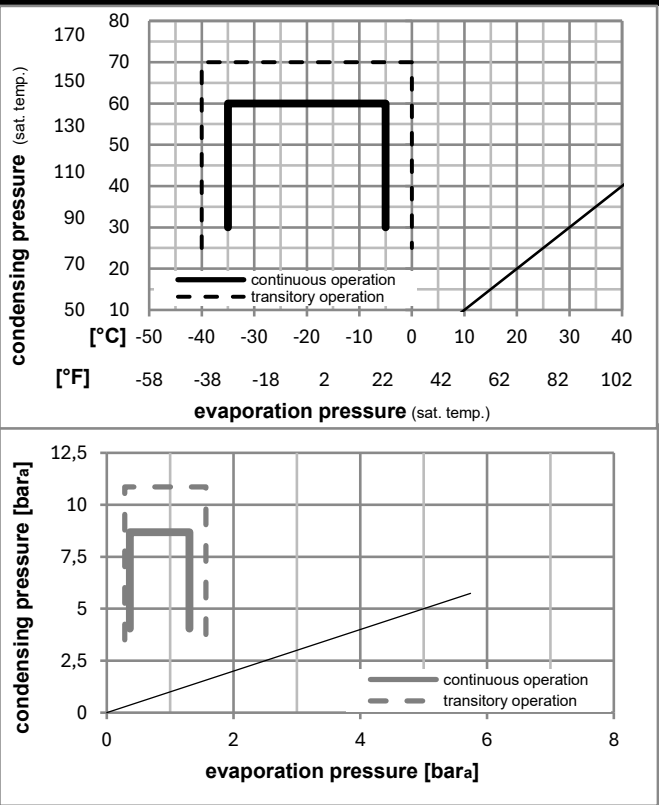
Model				
Designation	HTK95AA	220-240V/50Hz	Conf. 1	Sales code: 16070700

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

Operation pressure range



Components		
. terminal board (PTC, 4.8mm)	15164300	
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)	15162300	

Model											
Designation	HTK95AA	220-240V/50Hz	Conf. 1	Sales code:	16070700						

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]										[W]	[A]	[kg/h]		
[°C]	-23	54	32	32	167,0	570	143,7	1,64	5,61	1,41	101,8	0,67	1,79	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	125,5	429	108,0	1,28	4,38	1,10	97,8	0,65	1,64	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	87,1	297	74,9	1,17	3,99	1,01	74,5	0,56	1,06	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-23	49	4,4	49	133,7	457	115,0	1,38	4,70	1,18	97,2	0,66	1,95	ARI540 LBP
[°F]	-10	120	40	120										
[°C]	-23	41	32	32	173,0	591	148,9	1,89	6,47	1,63	91,3	0,65	1,86	AHAM LBP
[°F]	-10	105	90	90										
[°C]	-35	45	32	45	83,2	284	71,6	1,11	3,79	0,96	74,9	0,54	0,99	opt
[°F]	-31	113	90	113										

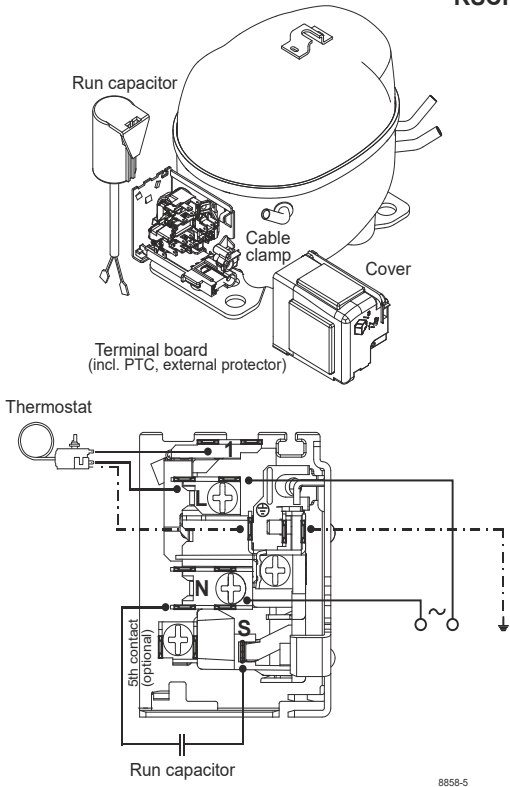
Performance tables

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	83,2	284	71,6	1,11	3,79	0,96	74,9	0,54	0,99
cond. pressure	-30	-22	108,8	371	93,6	1,33	4,55	1,15	81,6	0,59	1,29
pc= 45/113	-25	-13	141,6	483	121,8	1,56	5,33	1,34	90,8	0,64	1,69
return gas temp.	-23	-10	154,3	527	132,8	1,64	5,59	1,41	94,3	0,66	1,84
RGT= 32/90	-20	-4	181,6	620	156,2	1,78	6,09	1,54	101,8	0,69	2,16
liquid temp	-15	5	228,7	781	196,9	2,01	6,85	1,73	114,0	0,74	2,73
Tliq= 45/113	-5	23	344,6	1177	296,6	2,47	8,43	2,12	139,6	0,85	4,14
[°C / °F]	-35	-31	70,5	241	60,6	0,93	3,17	0,80	75,9	0,53	0,92
cond. pressure	-30	-22	94,7	323	81,5	1,11	3,78	0,95	85,7	0,59	1,23
pc= 55/131	-25	-13	125,5	429	108,0	1,28	4,38	1,10	97,8	0,65	1,64
return gas temp	-23	-10	137,5	469	118,3	1,34	4,59	1,16	102,3	0,67	1,79
RGT= 32/90	-20	-4	162,8	556	140,1	1,46	4,98	1,26	111,6	0,71	2,13
liquid temp	-15	5	206,6	706	177,8	1,63	5,58	1,41	126,5	0,78	2,71
Tliq= 55/131	-5	23	313,7	1071	270,0	2,00	6,82	1,72	157,1	0,91	4,13

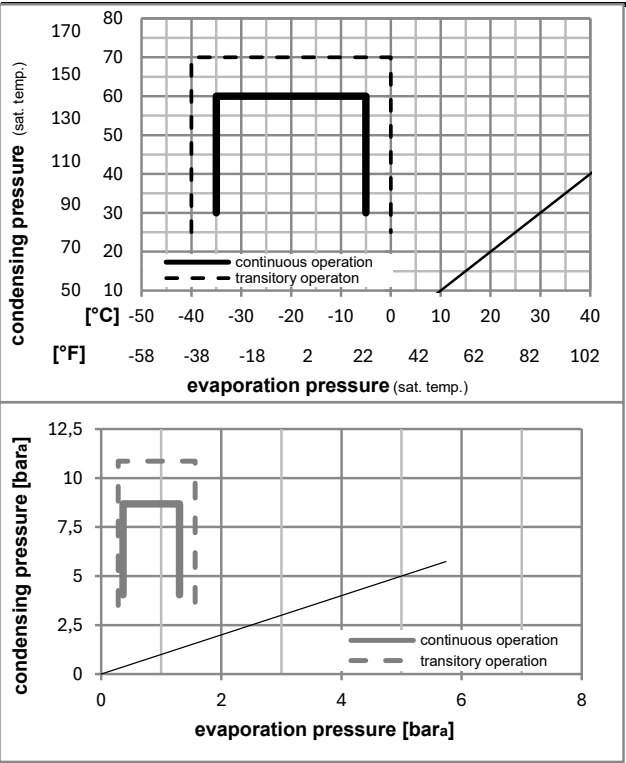
Model				
Designation	HTK95AA	220-240V/50Hz	Conf. 2	Sales code: 16070700

Configuration		Electrical accessories / wiring diagram	
Motorconfiguration	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, 4.8mm)	15164300
.	run capacitor (4µF, 4.8mm)	10693001
b	cover terminal board	10636401
.	cable clamp	11341000
.	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]	P1	I	m	
[°C]	-23	54	32	32	167,0	570	143,7	1,70	5,81	1,46	98,2	0,48	1,79	ASHRAE LBP
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[°F]	-13	131	90	131										
[°C]	-35	40	20	40	87,1	297	74,9	1,22	4,16	1,05	71,4	0,40	1,06	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-23	49	4,4	49	133,7	457	115,0	1,42	4,86	1,22	94,0	0,48	1,95	ARI540 LBP
[°F]	-10	120	40	120										
[°C]	-23	41	32	32	173,0	591	148,9	1,95	6,66	1,68	88,7	0,47	1,86	AHAM LBP
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Performance tables

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	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	83,2	284	71,6	1,16	3,98	1,00	71,5	0,39	0,99
cond. pressure	-30	-22	108,8	371	93,6	1,39	4,73	1,19	78,5	0,43	1,29
pc= 45/113	-25	-13	141,6	483	121,8	1,61	5,50	1,39	87,9	0,46	1,69
return gas temp.	-23	-10	154,3	527	132,8	1,69	5,76	1,45	91,5	0,47	1,84
RGT= 32/90	-20	-4	181,6	620	156,2	1,84	6,27	1,58	98,9	0,50	2,16
liquid temp	-15	5	228,7	781	196,9	2,06	7,03	1,77	111,1	0,53	2,73
Tliq= 45/113	-5	23	344,6	1177	296,6	2,52	8,60	2,17	136,8	0,61	4,14
[°C / °F]	-35	-31	70,5	241	60,6	0,99	3,37	0,85	71,3	0,38	0,92
cond. pressure	-30	-22	94,7	323	81,5	1,16	3,96	1,00	81,7	0,42	1,23
pc= 55/131	-25	-13	125,5	429	108,0	1,33	4,55	1,15	94,1	0,47	1,64
return gas temp	-23	-10	137,5	469	118,3	1,39	4,76	1,20	98,7	0,48	1,79
RGT= 32/90	-20	-4	162,8	556	140,1	1,51	5,14	1,30	108,1	0,52	2,13
liquid temp	-15	5	206,6	706	177,8	1,68	5,73	1,44	123,1	0,56	2,71
Tliq= 55/131	-5	23	313,7	1071	270,0	2,04	6,96	1,75	154,0	0,66	4,13