

Model
HTK95AA

Sales code:
16070700

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	8.30 kg / 18.30lbs
Displacement	9.60 cm3 / 0.59cu.in
Compressors on pallet	100



General – Configurations With HTK95AA

-	Conf. 1	Conf. 2
Motor configuration	RSIR	RSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	187-264 V	187-264 V
Approvals	VDE	VDE
Starting torque	LST	LST
Refrigerant	R600a	R600a
Application	LBP	LBP

Application Notes

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

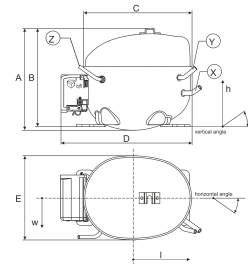
Oil type	Mineral	Winding resistance main	19.3 Ohm
Oil viscosity	5cSt	Winding resistance aux	11.3 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,600 cm ³ / 54.10fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

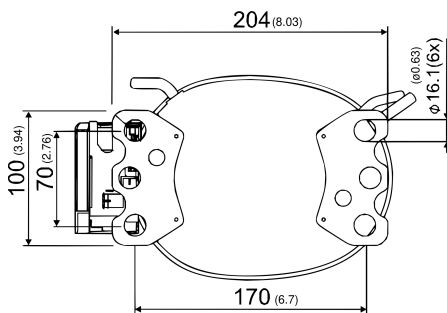
A Height	182mm / 7.17in
B Height	175mm / 6.89in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



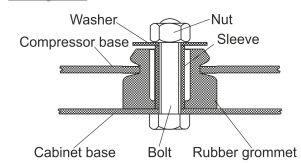
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.16–6.24 / 0.24–0.25in	øi 5.1–5.2 / 0.20–0.20in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	54°	35°	45°
Vertical angle ±2°	35°	40°	35°
Position l/h/w [mm]	120/92/56.7 / 4.72/3.62/2.23in	112/105.5/81 / 4.41/4.15/3.19in	-86/94.3/72 / -3.39/3.71/2.83in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	13.5 / 0.53in

Mounting Accessories

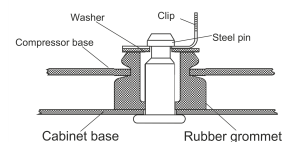


Dimensions in mm [in]

Bolt joint



Snap-on



	one comp.	multi pack
'4ZN' with rubber grommet	–	772N
'4ZN' with rubber grommet and sleeve for M6	–	768N
Bolt joint kit	–	4ZN + 118-1917 (18)
'4ZN' with Snap on kit	–	776N

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Configuration 1

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Configuration

Motor configuration	RSIR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	187-264 V
Starting torque	LST
Approvals	VDE
Starting device type	PTC
Run capacitor	-/-
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

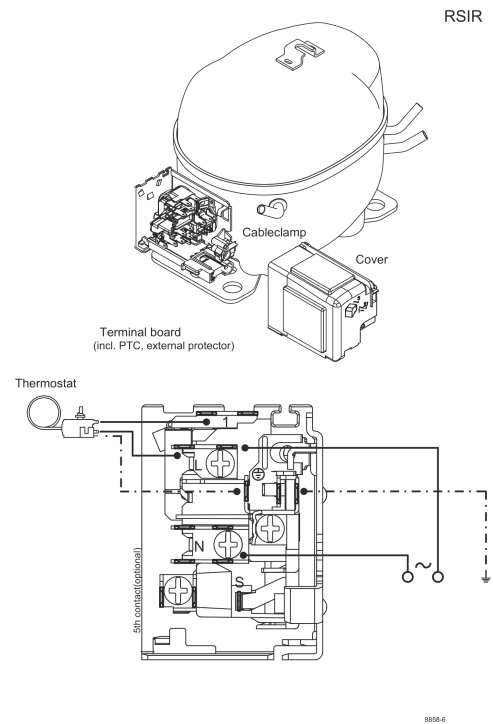
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling

static

Electrical Accessories / Wiring Diagram



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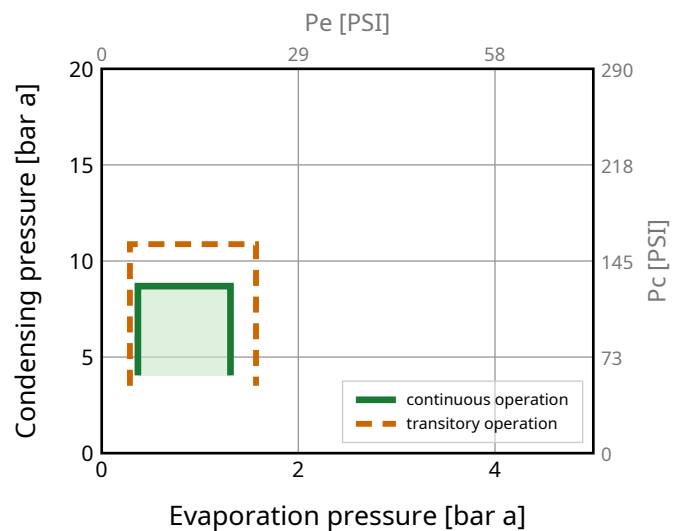
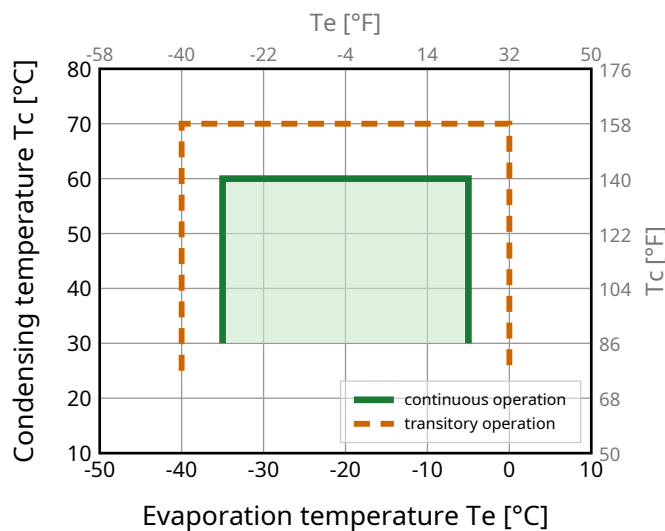
Components

- . terminal board (PTC, 4.8mm) 15164300
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
- . screw - uni6954 10636200
- . screw uni en iso 4757 10641201

Alternative components

- . terminal board (PTC, 6.3mm) 15162300

Operation Pressure Range



Model
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Configuration 1

Sales code:
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Standard Conditions

R600a, 220 V/50 Hz, RSIR, static

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	167	570	144	1.64	5.60	102	0.67	1.79	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	126	428	108	1.28	4.38	98	0.65	1.64	CECOMAF LBP
-35 -31	40 104	20 68	40 104	87	297	75	1.17	3.99	74	0.56	1.06	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	134	458	115	1.38	4.71	97	0.66	1.96	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	173	591	149	1.90	6.47	91	0.65	1.86	AHAM LBP
-35 -31	45 113	32 89.6	45 113	83	284	72	1.11	3.79	75	0.54	0.99	opt LBP

Performance Tables

R600a, 220 V/50 Hz, RSIR, static

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	83	284	72	1.11	3.79	75	0.54	0.99
-30	-22	109	371	94	1.33	4.55	82	0.59	1.29
-25	-13	142	483	122	1.56	5.32	91	0.64	1.69
-20	-4	182	620	156	1.78	6.09	102	0.69	2.17
-15	5	229	780	197	2.01	6.85	114	0.74	2.73
-10	14	283	966	243	2.23	7.62	127	0.80	3.39
-5	23	345	1176	296	2.47	8.42	140	0.85	4.14

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-35	-31	70	241	61	0.93	3.17	76	0.53	0.92
-30	-22	95	323	81	1.10	3.77	86	0.59	1.23
-25	-13	126	428	108	1.28	4.38	98	0.65	1.64
-20	-4	163	555	140	1.46	4.98	112	0.71	2.13
-15	5	207	705	178	1.63	5.57	126	0.78	2.70
-10	14	257	877	221	1.81	6.18	142	0.84	3.37
-5	23	314	1070	270	2.00	6.81	157	0.91	4.13

Model
HTK95AA

Configuration 2

Sales code:
16070700

Configuration

Motor configuration	RSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	187-264 V
Starting torque	LST
Approvals	VDE
Starting device type	PTC
Run capacitor	4 μF
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

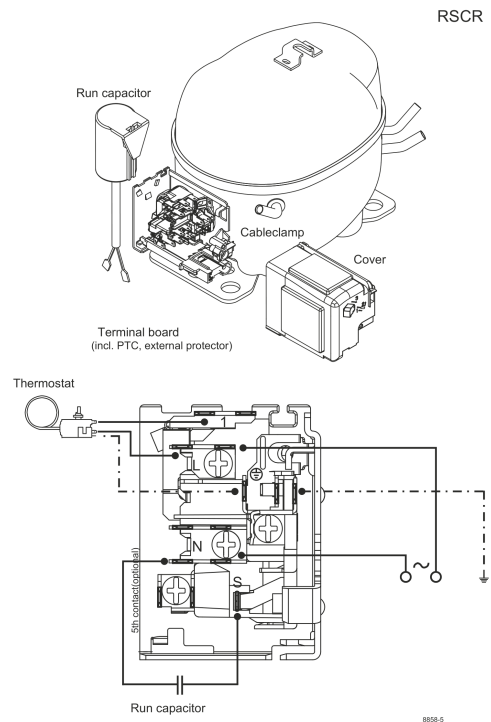
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System Cooling

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Electrical Accessories / Wiring Diagram



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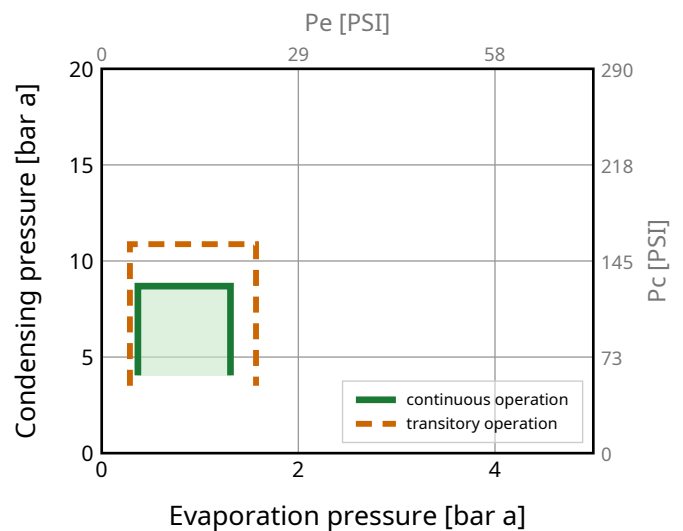
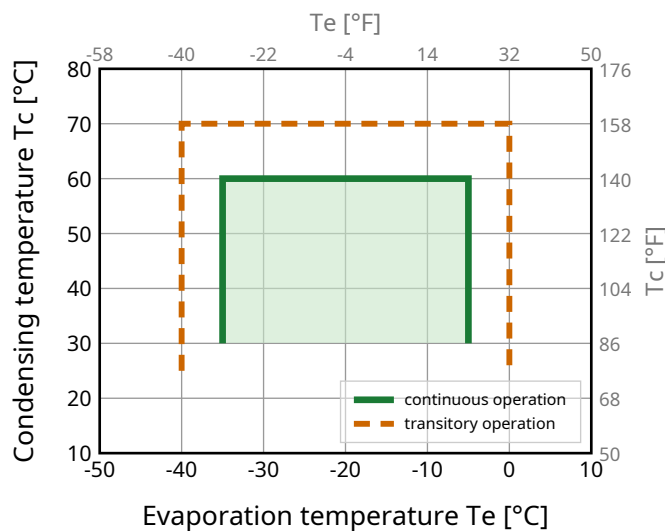
Components

- . terminal board (PTC, 4.8mm) 15164300
- . run capacitor (4 μ F, 4.8mm) 10693001
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
- . screw - uni6954 10636200

Alternative components

- . screw uni en iso 4757 10641201

Operation Pressure Range



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