

Model
HTK55AA

Sales code:
16122700

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	7.80 kg / 17.20lbs
Displacement	5.60 cm3 / 0.34cu.in
Compressors on pallet	100



General - Configurations With HTK55AA

-	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.

Model
HTK55AA

Sales code:
16122700

Compressor Design

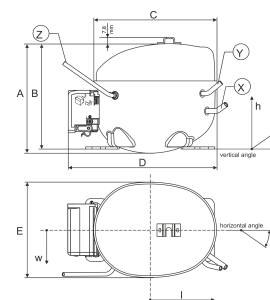
Oil type	Mineral	Winding resistance main	33.400 Ohm
Oil viscosity	5cSt	Winding resistance aux	28.50 Ohm
Oil quantity	162 / 5.48fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,500 cm ³ / 50.72fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

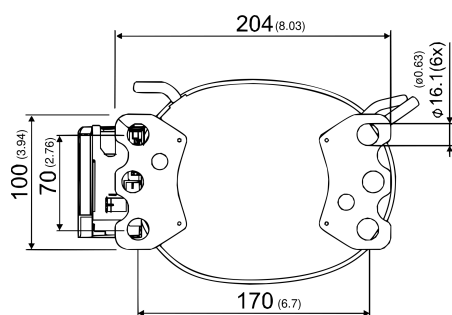
A Height	166mm / 6.54in
B Height	159mm / 6.26in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)

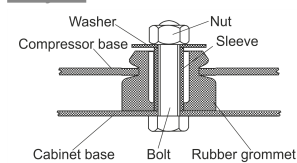


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi #N/A–#N/A	øi 5.92–6.08 / 0.23–0.24in
Material	CU	#N/A	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70 / -5.51/5.35/2.76in
Straight tube l. [mm]	13.5 / 0.53in	#N/A	75 / 2.95in

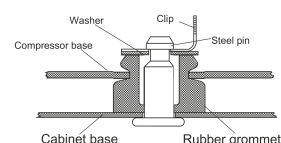
Mounting Accessories



Bolt joint



Snap-on



Dimensions in mm [in]

	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

Model
HTK55AA

Configuration 1

Sales code:
16122700

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

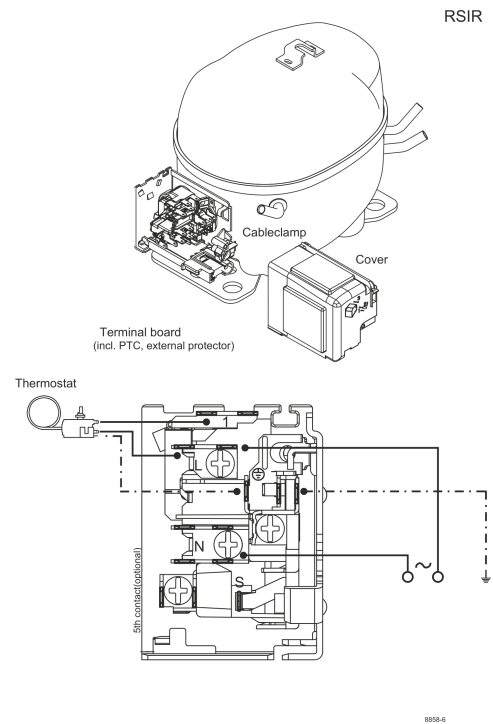
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram

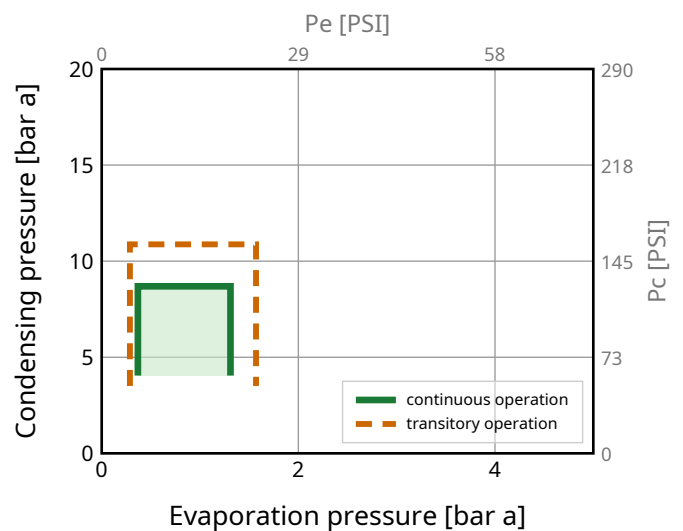
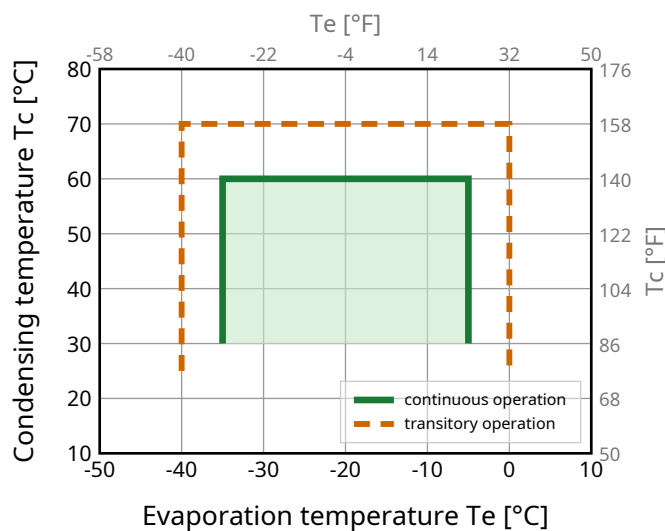


[View full size](#)

Components

- . terminal board (PTC, 4.8mm) 15165700
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
- . screw - uni6954 10636200
- . screw uni en iso 4757 10641201

Operation Pressure Range



Model
HTK55AA

Configuration 1

Sales code:
16122700

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	93	317	80	1.55	5.28	60	0.40	1.00	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	69	234	59	1.20	4.09	57	0.39	0.90	CECOMAF LBP
-35 -31	40 104	20 68	40 104	41	140	35	1.02	3.49	40	0.33	0.50	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	77	263	66	1.31	4.49	59	0.39	1.12	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	103	352	89	1.82	6.22	57	0.39	1.11	AHAM LBP
-25 -13	45 113	32 89.6	45 113	82	279	70	1.48	5.05	55	0.38	0.97	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	39	132	33	0.97	3.30	40	0.32	0.46
-30	-22	59	201	51	1.23	4.19	48	0.35	0.70
-25	-13	82	279	70	1.48	5.05	55	0.38	0.97
-20	-4	108	368	93	1.73	5.91	62	0.41	1.29
-15	5	137	468	118	1.99	6.77	69	0.44	1.64
-10	14	170	579	146	2.24	7.65	76	0.47	2.03
-5	23	206	703	177	2.50	8.52	82	0.50	2.47

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

-35	-31	32	108	27	0.80	2.72	40	0.31	0.41
-30	-22	48	165	42	1.00	3.41	48	0.35	0.63
-25	-13	69	234	59	1.20	4.09	57	0.39	0.90
-20	-4	92	315	79	1.40	4.77	66	0.42	1.21
-15	5	120	408	103	1.59	5.44	75	0.46	1.56
-10	14	150	513	129	1.79	6.10	84	0.50	1.97
-5	23	185	632	159	1.98	6.75	94	0.54	2.44

Model
HTK55AA

Configuration 2

Sales code:
16122700

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	2.5 μF
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

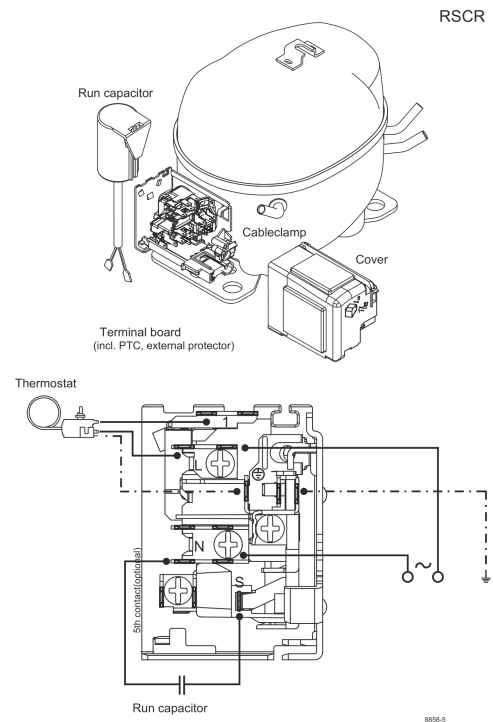
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram

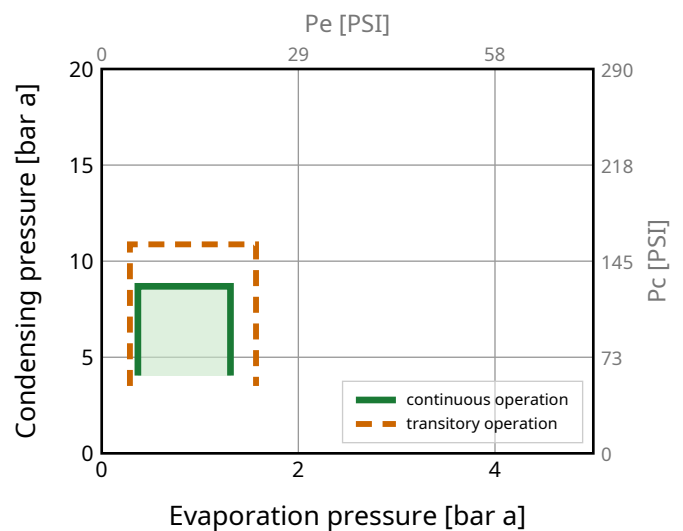
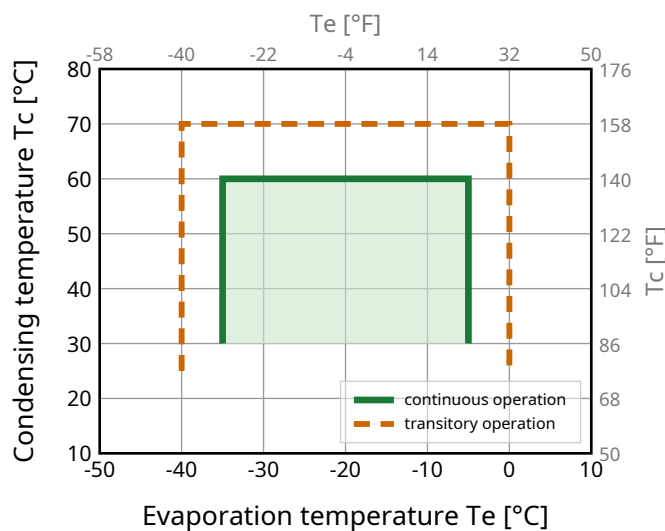


[View full size](#)

Components

- . terminal board (PTC, 4.8mm) 15165700
- . run capacitor (2,5 μ F, 4.8mm) 10692802
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
- . screw - uni6954 10636200

Operation Pressure Range



Model
HTK55AA

Configuration 2

Sales code:
16122700

Standard Conditions

R600a, 220 V/50 Hz, RSCR, 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	93	317	80	1.61	5.48	58	0.29	1.00	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	69	234	59	1.25	4.25	55	0.28	0.90	CECOMAF LBP
-35 -31	40 104	20 68	40 104	41	140	35	1.08	3.68	38	0.24	0.50	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	77	263	66	1.36	4.64	57	0.29	1.12	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	103	352	89	1.88	6.41	55	0.28	1.11	AHAM LBP
-25 -13	45 113	32 89.6	45 113	82	279	70	1.53	5.22	54	0.28	0.97	opt LBP

Performance Tables

R600a, 220 V/50 Hz, RSCR, 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	39	132	33	1.01	3.46	38	0.24	0.46
-30	-22	59	201	51	1.28	4.36	46	0.26	0.70
-25	-13	82	279	70	1.53	5.22	54	0.28	0.97
-20	-4	108	368	93	1.78	6.09	60	0.30	1.29
-15	5	137	468	118	2.04	6.96	67	0.32	1.64
-10	14	170	579	146	2.30	7.83	74	0.34	2.03
-5	23	206	703	177	2.55	8.70	81	0.36	2.47

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

-35	-31	32	108	27	0.84	2.85	38	0.23	0.41
-30	-22	48	165	42	1.04	3.56	47	0.26	0.63
-25	-13	69	234	59	1.25	4.25	55	0.28	0.90
-20	-4	92	315	79	1.45	4.94	64	0.31	1.21
-15	5	120	408	103	1.65	5.63	72	0.34	1.56
-10	14	150	513	129	1.85	6.30	81	0.37	1.97
-5	23	185	632	159	2.04	6.95	91	0.40	2.44