

Model
HKK55AA

Sales code:
16212700

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	7.90 kg / 17.42lbs
Displacement	5.60 cm3 / 0.34cu.in
Compressors on pallet	100



General – Configurations With HKK55AA

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

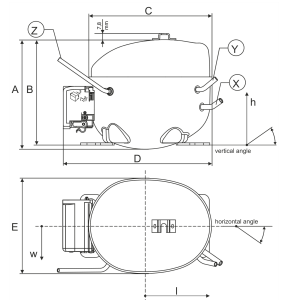
Oil type	Mineral	Winding resistance main	39.2 Ohm
Oil viscosity	5cSt	Winding resistance aux	25 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,520 cm ³ / 51.40fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

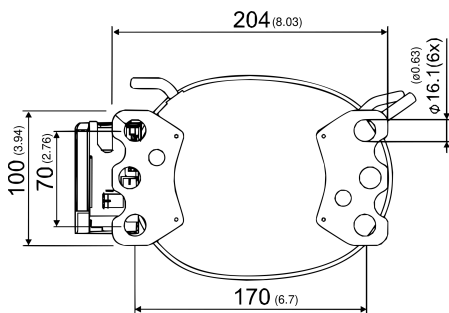
A Height	166mm / 6.54in
B Height	159mm / 6.26in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



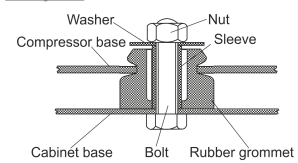
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70 / -5.51/5.35/2.76in
Straight tube l. [mm]	13.5 / 0.53in	13.5 / 0.53in	75 / 2.95in

Mounting Accessories

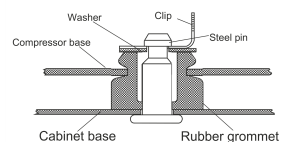


Dimensions in mm [in]

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	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

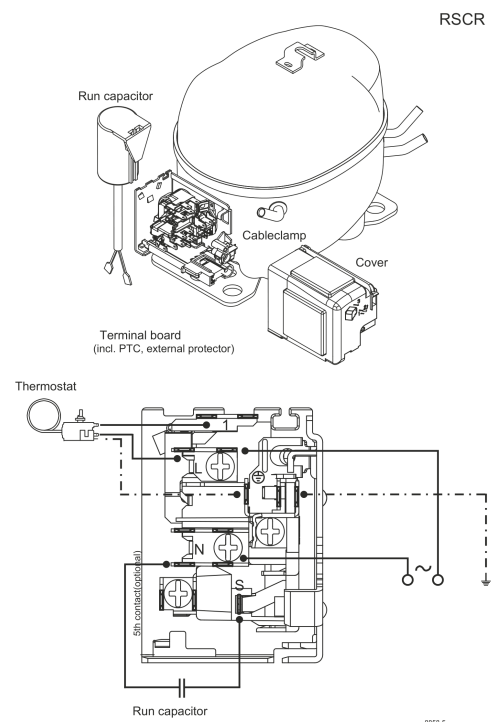
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram



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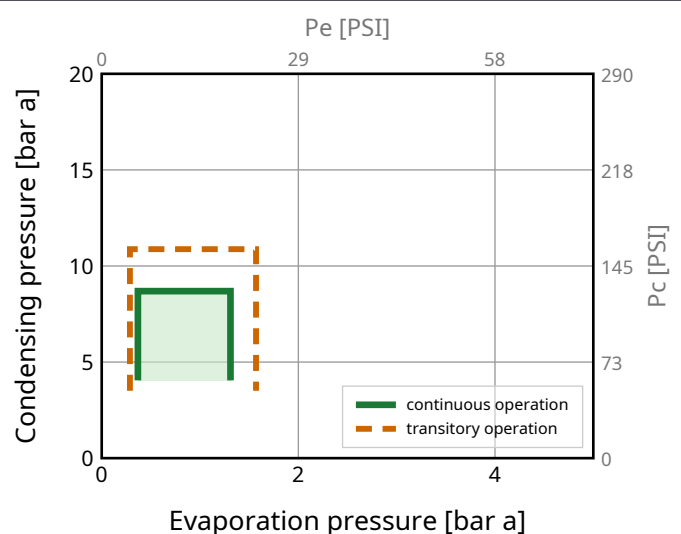
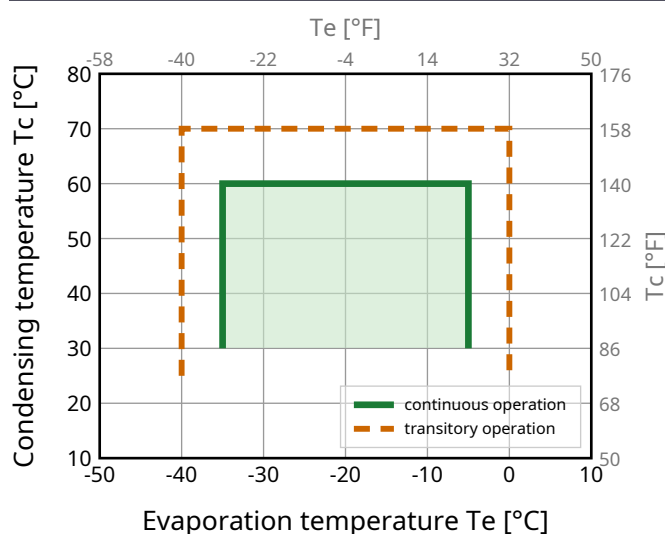
Components

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

Alternative components

- . screw - uni6954 10636000
- . screw - uni6954 10636200
- . screw uni en iso 4757 10641201

Operation Pressure Range



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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	1.71	5.83	54	0.23	1.00	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	68	234	59	1.33	4.53	52	0.23	0.89	CECOMAF LBP
-35 -31	40 104	20 68	40 104	44	150	38	1.22	4.17	36	0.20	0.54	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	76	261	66	1.45	4.94	53	0.23	1.11	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	102	348	88	1.99	6.79	51	0.23	1.10	AHAM LBP
-35 -31	45 113	32 89.6	45 113	41	139	35	1.15	3.91	35	0.19	0.48	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	41	139	35	1.15	3.91	35	0.19	0.48
-30	-22	59	202	51	1.39	4.75	42	0.21	0.70
-25	-13	81	277	70	1.63	5.58	50	0.23	0.97
-20	-4	107	364	92	1.88	6.40	57	0.24	1.27
-15	5	135	462	116	2.12	7.22	64	0.26	1.62
-10	14	168	572	144	2.36	8.04	71	0.28	2.01
-5	23	203	693	175	2.60	8.86	78	0.30	2.44

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

-35	-31	32	108	27	0.91	3.09	35	0.19	0.41
-30	-22	48	165	42	1.12	3.82	43	0.21	0.63
-25	-13	68	234	59	1.33	4.53	52	0.23	0.89
-20	-4	92	314	79	1.53	5.23	60	0.25	1.20
-15	5	119	406	102	1.74	5.93	69	0.27	1.56
-10	14	150	510	129	1.94	6.62	77	0.30	1.96
-5	23	184	626	158	2.14	7.29	86	0.32	2.41