Product Data Sheet
HXK95AA
Revision 1
(Variant Code B)

1 Application

Application	Refrigerant	Expansion Device	Cooling Type
LBP	R600a	Capillary	Static

1.1 Application Conditions

Max. Ambient temp.[1]	**[°C]**	43
Max. Steady discharge temp.[2]	**[°C]**	120
Max. Peak discharge temp.[2, 5]	**[°C]**	135
Max. Steady condensing temp.[3]	**[°C]**	60
Max. Peak condensing temp.[3, 5]	**[°C]**	70
Max. Winding temp.[4]	**[°C]**	130

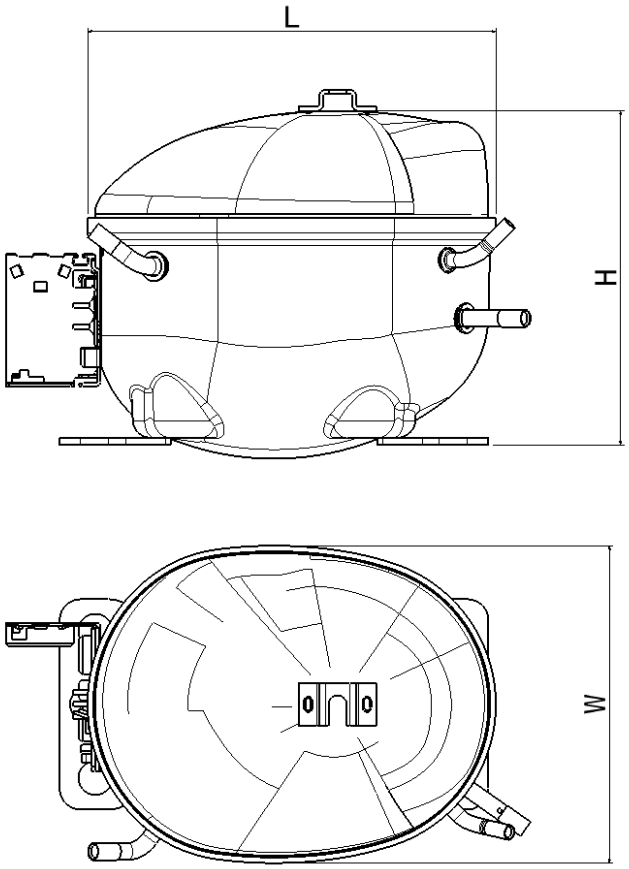
[1]…static
[2]…measured on discharge tube, 50 mm from the shell
[3]…measured in the middle of condenser
[4]…calculated out of the measured difference of resistance
[5]…max 5% of lifetime

Variant code according to Label; see General Product Documentation

2 Mechanical Data

Displacement	**[cm³]**	9,6
Net Weight[1]	**[kg]**	8,6
Oil Type		mineral
Oil Charge	**[ml]**	165
Oil Viscosity	**[cst]**	5
Suction muffler		Semi direct
Free Gas Volume	**[cm³]**	1500
Length L	**[mm]**	237,5
Width W	**[mm]**	151,5
Height H	**[mm]**	167

[1]...Compressor without accessories



3 Electrical Data

Power supply	**[V]**	220 - 240
Voltage range[1]	**[V]**	187 - 264
Frequency	**[Hz]**	50
Phase	**[ph]**	1
Motor type		RSCR
Locked rotor current @ steady state	**[A]**	3,3
Max. Locked rotor current / measured after 4 sec	**[A]**	8,5 / 4,0
Main wind. Resistance @ 25°C	**[Ω]**	23,1
Start wind. Resistance @ 25°C	**[Ω]**	22,7

[1]...Operating and starting (starting condition @ +43°C windings temperature, 3,5 barA equalized pressure)

All data measured according to EN 60335

3.1 Electrical Component Data

Terminal board		ECC
Starting device	**Code**	K120
PTC	**Type**	A
Run Capacitor	**[µF]**	4

3.2 Motor Protector

Motor Protector	BDG	Senbao
Type	AE 18 FU x	B64 120 xx
Code	F5	MD

4 Performance Data

4.1 Cooling Capacity, COP and Input Power

Performance Table Cooling Capacity @ ASHRAE / EN12900 (CECOMAF); 220V, 50Hz; [W]:

Evap. temp. [°C]			-35	-30	-25	-23,3	-20	-15	-10
Condensing temp. @	ASHRAE [°C]	40	96,9	131,1	171,0	185,9	216,6	268,0	325,0
		45	94,2	127,0	166,2	180,9	211,6	263,3	321,3
		50	91,5	123,0	161,4	176,0	206,6	258,7	317,7
		55	88,8	119,0	157,0	171,0	203,0	255,0	314,0
		60	86,1	114,9	151,8	166,1	196,6	249,5	310,3
	EN12900 (CECOMAF) [°C]	C55	73,0	98,0	129,0	142,0	167,0	210,0	259,0

Performance Table COP with RC @ ASHRAE / EN12900 (CECOMAF); 220V, 50Hz; [W/W]:

Evap. temp. [°C]			-35	-30	-25	-23,3	-20	-15	-10
Condensing temp. @	ASHRAE [°C]	40	1,58	1,83	2,09	2,18	2,35	2,61	2,87
		45	1,51	1,76	2,01	2,09	2,25	2,50	2,75
		50	1,45	1,69	1,92	2,00	2,15	2,39	2,62
		55	1,39	1,61	1,83	1,91	2,06	2,28	2,50
		60	1,33	1,54	1,75	1,82	1,96	2,17	2,38
	EN12900 (CECOMAF) [°C]	C55	1,14	1,33	1,51	1,57	1,69	1,87	2,05

Performance Table Input Power with RC @ ASHRAE / EN12900 (CECOMAF); 220V, 50Hz; [W]:

Evap. temp. [°C]			-35	-30	-25	-23,3	-20	-15	-10
Condensing temp. @	ASHRAE [°C]	40	61,5	71,5	81,7	85,2	92,1	102,7	113,3
		45	62,2	72,2	82,8	86,6	94,0	105,4	117,1
		50	63,0	73,0	84,1	88,0	95,9	108,3	121,1
		55	63,9	73,8	85,4	89,6	98,1	111,5	125,6
		60	64,9	74,8	86,9	91,4	100,5	115,1	130,5
	EN12900 (CECOMAF) [°C]	C55	63,9	73,8	85,4	89,6	98,1	111,5	125,6

Test Conditions @ 220V/50Hz		ASHRAE	EN12900 (CECOMAF)
Evaporating temp.	[°C]	-23,3	-25
Condensing temp.	[°C]	55	55
Sub cooling temp.	[°C]	32	55
Suction temp.	[°C]	32	32
Ambient temp.	[°C]	32	32

Tolerance Range:

COP	**± 5%**
Cooling Capacity	**± 5%**

4.2 Rated current @ 55°C condensing temperature

Evaporating temperature	[°C]	-30	-23,3	-10
Rated current with RC	[A]	0,35	0,44	0,59

5 Reliability Tests

High Temperature CECOMAF GT4 – 002	passed
Wear CECOMAF GT4 – 003	passed
On – Off CECOMAF GT4 – 004	passed
Transport test ASTM D4728	passed