

Model
HXK87AA

Sales code:
CDO00103

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	8.60 kg / 18.96lbs
Displacement	8.80 cm3 / 0.54cu.in
Compressors on pallet	100



General – Configurations With HXK87AA

-	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

- Housing with dip-tray fixture (omega bracket).
- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

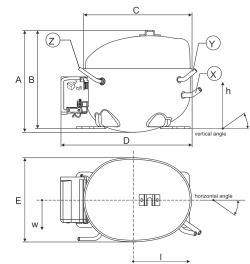
Oil type	Mineral	Winding resistance main	22.4 Ohm
Oil viscosity	5cSt	Winding resistance aux	15.3 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,560 cm ³ / 52.75fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

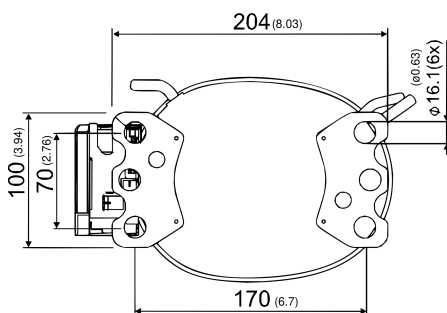
A Height	182mm / 7.17in
B Height	175mm / 6.89in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



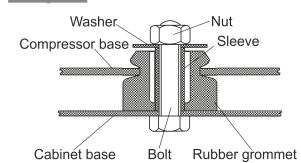
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.16–6.24 / 0.24–0.25in	øi 5.1–5.2 / 0.20–0.20in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	54°	35°	45°
Vertical angle ±2°	35°	40°	35°
Position l/h/w [mm]	120/92/56.7 / 4.72/3.62/2.23in	112/105.5/81 / 4.41/4.15/3.19in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

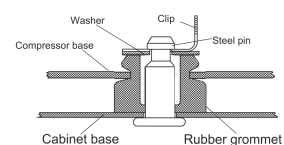


Dimensions in mm [in]

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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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

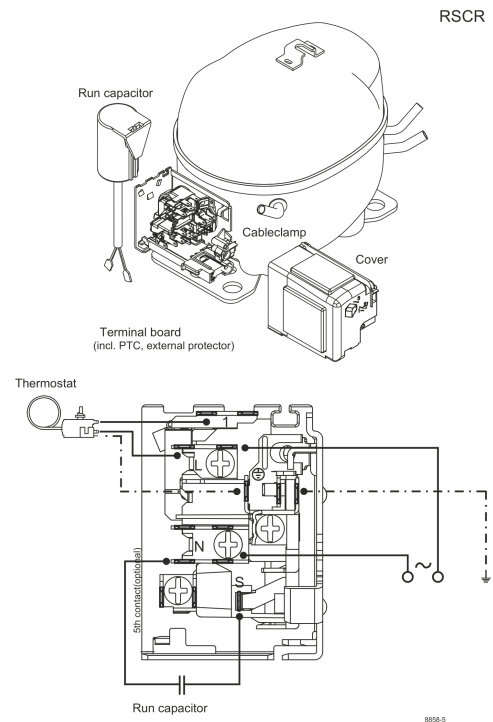
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram



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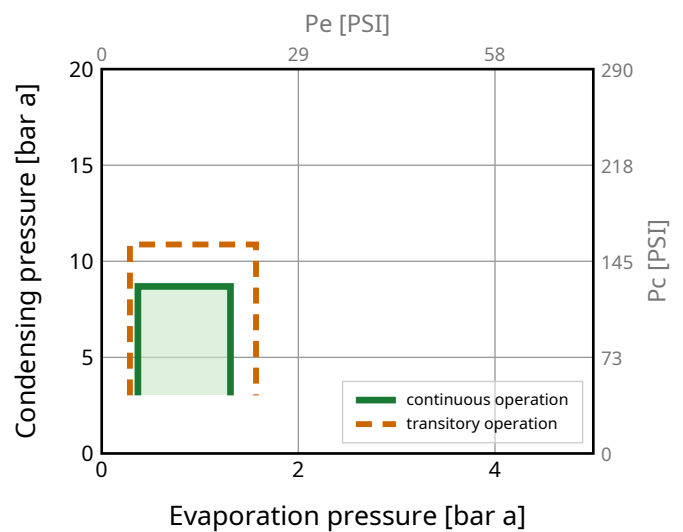
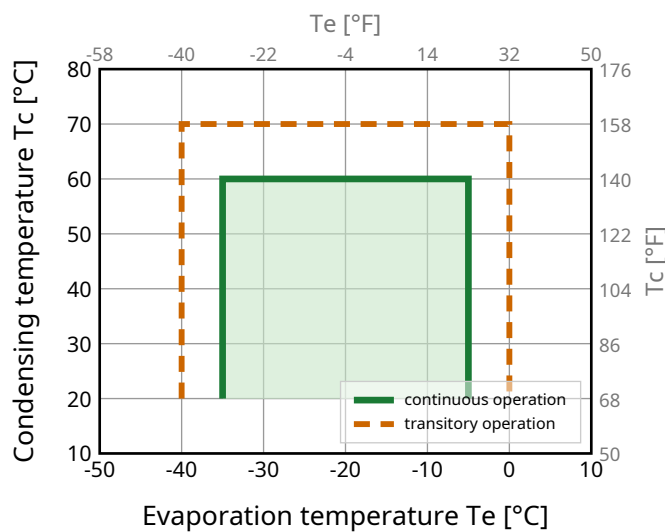
Components

- . Terminal board (PTC,4.8mm,K100) ZX F5
- . Term. Board Cover 15759500
- . cable clamp 16058100

Alternative components

- . cover + clamp + screws (Nr. 4ZN) 16168000
- . Evaporation tray (optional) 11318802

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	153	523	132	1.89	6.46	81	0.36	1.65	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	115	393	99	1.49	5.07	78	0.35	1.50	CECOMAF LBP
-35 -31	40 104	20 68	40 104	81	277	70	1.46	4.98	56	0.31	0.99	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	125	426	108	1.58	5.39	79	0.36	1.82	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	164	560	141	2.15	7.33	76	0.37	1.76	AHAM LBP
-35 -31	45 113	32 89.6	45 113	78	264	67	1.39	4.73	56	0.30	0.92	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	78	264	67	1.39	4.73	56	0.30	0.92
-30	-22	102	349	88	1.57	5.35	65	0.33	1.22
-25	-13	133	455	115	1.79	6.09	75	0.36	1.59
-20	-4	170	580	146	2.03	6.92	84	0.39	2.03
-15	5	213	727	183	2.29	7.81	93	0.42	2.54
-10	14	262	893	225	2.57	8.76	102	0.46	3.13
-5	23	316	1079	272	2.86	9.77	110	0.50	3.80

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

-35	-31	65	221	56	1.15	3.94	56	0.28	0.84
-30	-22	87	297	75	1.30	4.45	67	0.32	1.13
-25	-13	115	393	99	1.49	5.07	78	0.35	1.50
-20	-4	149	509	128	1.69	5.76	88	0.39	1.95
-15	5	189	645	163	1.90	6.49	99	0.43	2.47
-10	14	235	801	202	2.13	7.27	110	0.47	3.08
-5	23	286	977	246	2.37	8.08	121	0.53	3.76