

Model
HXK80AA

Sales code:
16414500

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	9.00 kg / 19.84lbs
Displacement	8.10 cm3 / 0.49cu.in
Compressors on pallet	100



General – Configurations With HXK80AA

-	Conf. 1	Conf. 2
Motor configuration	eRSCR	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

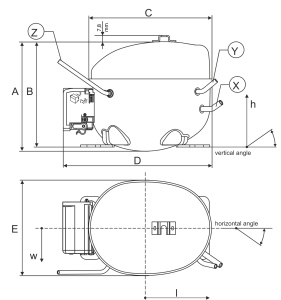
Oil type	Mineral	Winding resistance main	27.7 Ohm
Oil viscosity	5cSt	Winding resistance aux	18.8 Ohm
Oil quantity	165 / 5.58fl.oz	Max. winding temp.	130 °C
Free gas volume comp.	1,620 cm³ / 54.78fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

Compressor Dimensions

Housing

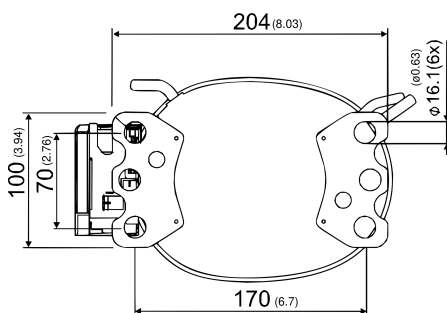
A Height	174mm / 6.85in
B Height	167mm / 6.57in
C Length shell	194mm / 7.64in
D Length w. cover	238mm / 9.37in
E Width	151mm / 5.94in

[Find 3D Model here](#)



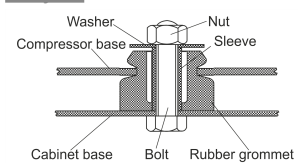
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.1–6.2 / 0.24–0.24in	øi 5.1–5.2 / 0.20–0.20in	øi 5.92–6.08 / 0.23–0.24in
Material	CU	CU	CU
Horizontal angle ±2°	45°	13°	0°
Vertical angle ±2°	30°	40°	145°
Position l/h/w [mm]	120/71.5/62 / 4.72/2.81/2.44in	112/105.5/62 / 4.41/4.15/2.44in	-140/136/70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

Mounting Accessories

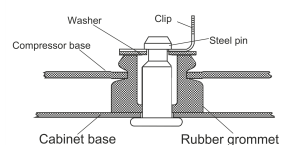


Dimensions in mm [in]

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

Sales code:
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Configuration

Motor configuration	eRSCR
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	e-PTC
Run capacitor	3 μF
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

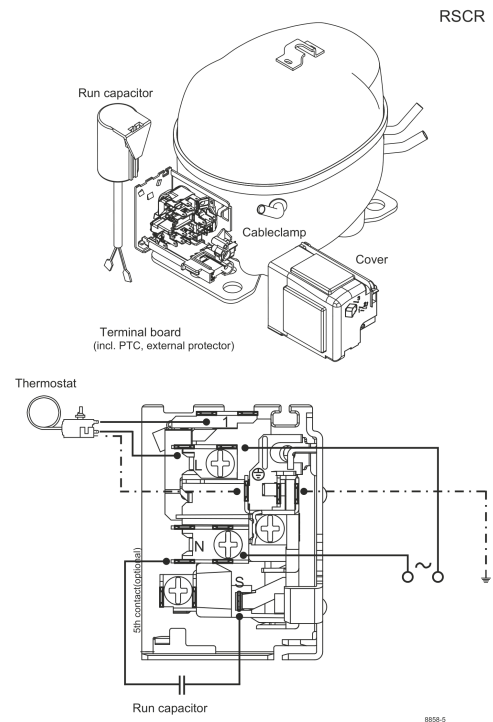
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

static

Electrical Accessories / Wiring Diagram



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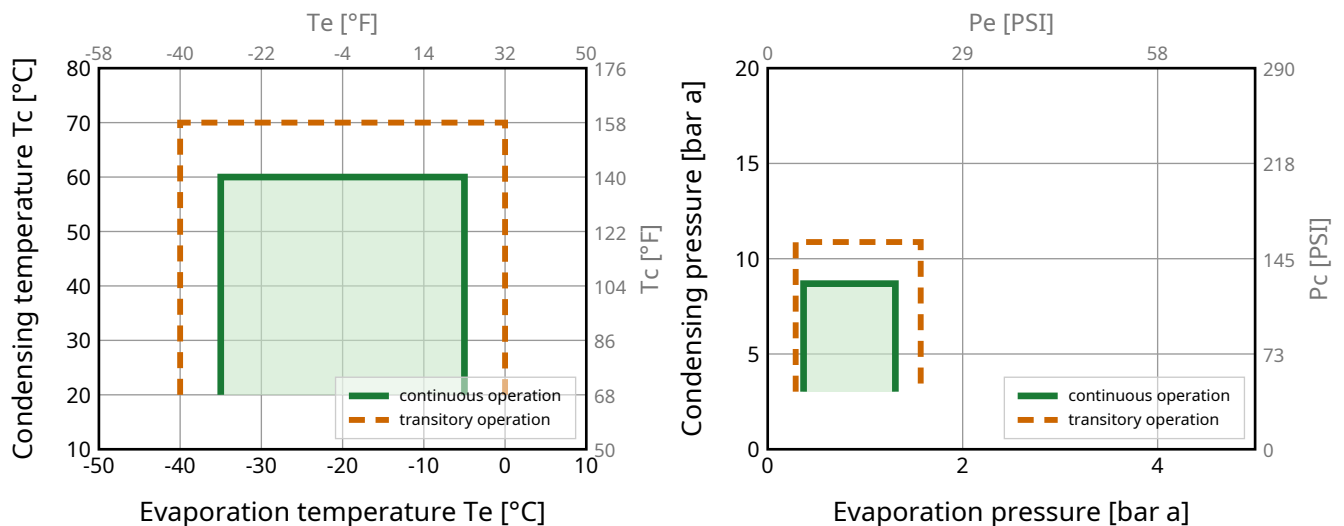
Components

- . terminal board (e-PTC, 4.8mm) 15619800
- . run capacitor (3 μ F, 4.8mm) 10692902
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
- . screw - uni6954 10636200

Alternative components

- . run capacitor (3 μ F, 4.8mm) 10693200
- . screw uni en iso 4757 10641201

Operation Pressure Range



Model
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Configuration 1

Sales code:
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Standard Conditions

R600a, 220 V/50 Hz, eRSCR, 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	140	477	120	1.90	6.47	74	0.35	1.50	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	105	358	90	1.49	5.09	70	0.34	1.37	CECOMAF LBP
-35 -31	40 104	20 68	40 104	72	247	62	1.42	4.85	51	0.27	0.88	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	114	389	98	1.58	5.40	72	0.34	1.66	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	150	511	129	2.15	7.34	70	0.33	1.61	AHAM LBP
-35 -31	45 113	32 89.6	45 113	69	235	59	1.35	4.60	51	0.28	0.82	opt LBP

Performance Tables

R600a, 220 V/50 Hz, eRSCR, 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	69	235	59	1.35	4.60	51	0.28	0.82
-30	-22	93	316	80	1.57	5.36	59	0.30	1.10
-25	-13	121	414	104	1.79	6.12	68	0.33	1.45
-20	-4	155	530	133	2.01	6.87	77	0.36	1.85
-15	5	194	662	167	2.23	7.62	87	0.39	2.32
-10	14	238	811	205	2.46	8.38	97	0.43	2.85
-5	23	287	978	246	2.69	9.17	107	0.48	3.44

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

-35	-31	58	197	50	1.12	3.83	52	0.28	0.75
-30	-22	79	269	68	1.31	4.46	60	0.31	1.03
-25	-13	105	358	90	1.49	5.09	70	0.34	1.37
-20	-4	136	464	117	1.68	5.72	81	0.38	1.78
-15	5	172	588	148	1.86	6.34	93	0.41	2.25
-10	14	213	728	183	2.04	6.96	105	0.46	2.80
-5	23	259	885	223	2.23	7.59	117	0.52	3.41

Model
HXK80AA

Configuration 2

Sales code:
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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	3 μF
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

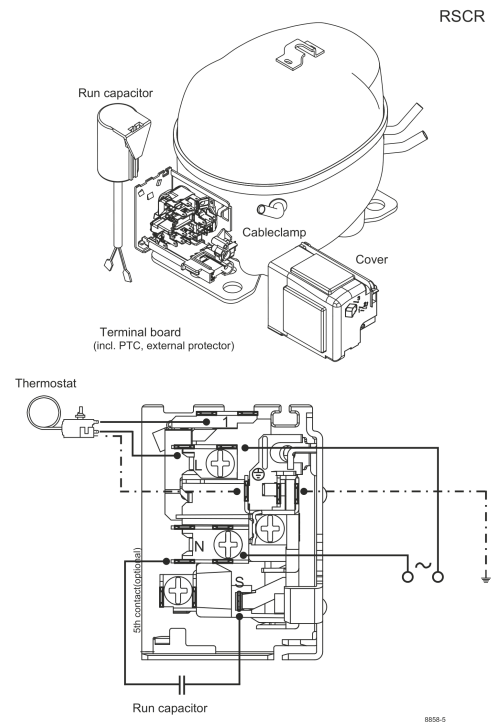
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System Cooling

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Electrical Accessories / Wiring Diagram



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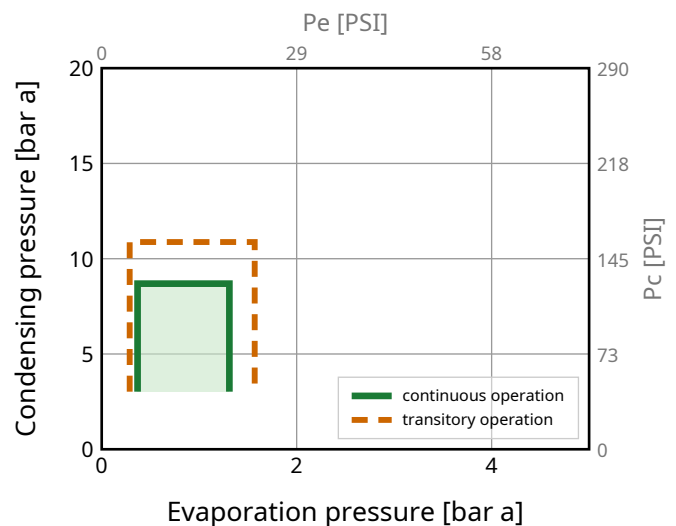
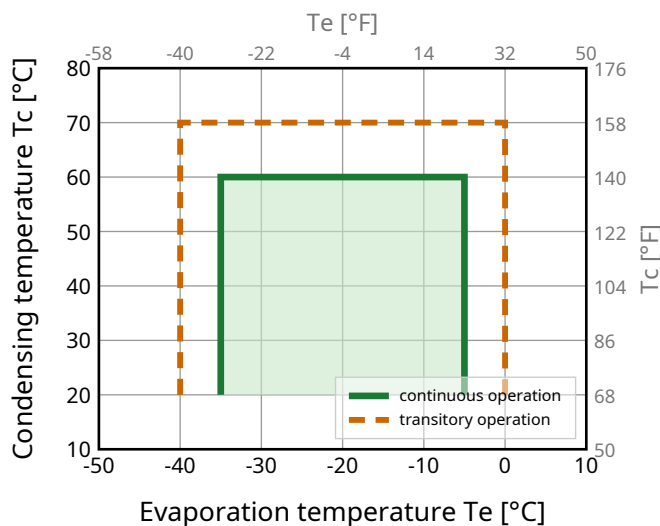
Components

- . terminal board (PTC, 4.8mm) 15661200
- . run capacitor (3 μ F, 4.8mm) 10692902
- b** cover terminal board 10636401
- . cable clamp 16058100
- . screw - uni6954 10636000
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Alternative components

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Operation Pressure Range



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