

## HXK70AT KAPPA Tropical Compressor Superior Efficiency R600a 200-240V 50Hz

### General

Code number	CDO00124
Approvals	EN 60335-2-34 w. Annex AA
Compressors on pallet	100

### Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	-
Voltage range	V	170 to 264	-
Max. condensing temperature continuous (short)	°C	65 (70)	-
Max. winding temperature continuous (short)	°C	130 (130)	-

### Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	-	-	-	-	-
38°C		S	-	-	-	-	-
43°C		S	-	-	-	-	-
Remarks on application:							

### Motor

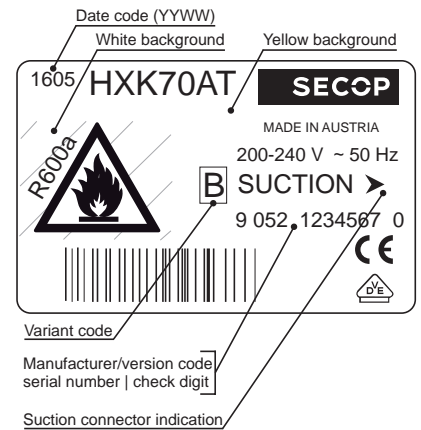
Motor type	RSCR/RSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	-	4.0
Cut in Current, HST   LST	A	-	12.8
Resistance, main   start winding (25°C)	Ω	24.8	14.1

### Design

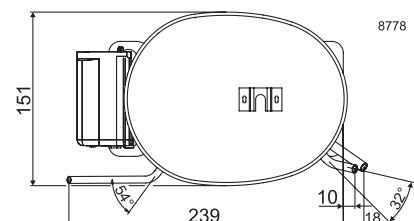
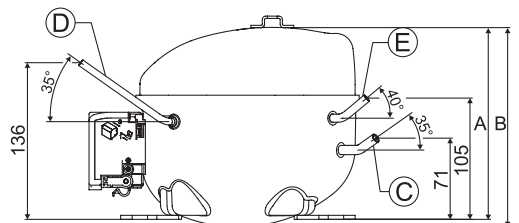
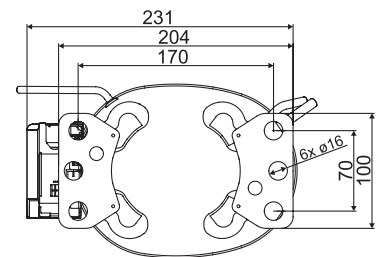
Displacement	cm <sup>3</sup>	6.64
Oil quantity (type)	cm <sup>3</sup>	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1620
Weight without electrical equipment	kg	8.2

### Dimensions

Height	mm	A	167.0
		B	173.5
Suction connector	location/I.D. mm   angle	C	6.15   35°
		material   comment	Cu-plated steel   Rubber plug
Process connector	location/O.D. mm   angle	D	6.00   35°
		material   comment	Copper   Rubber plug
Discharge connector	location/I.D. mm   angle	E	5.15   40°
		material   comment	Cu-plated steel   Rubber plug
Oil cooler connector	location/I.D. mm   angle	F	-
		material   comment	-
Connector tolerance	I.D. mm		±0.05
Remarks:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



**EN 12900 Household**

200V, 50Hz, PTC consumption incl., static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			48.1	66.2	88.5	97.1	115	146	181								
Power cons. in W			50.7	59.9	69.2	72.4	78.6	88	97.2								
Current cons. in A			0.26	0.30	0.34	0.36	0.38	0.43	0.47								
COP in W/W			0.95	1.11	1.28	1.34	1.46	1.66	1.86								

**ASHRAE LBP**

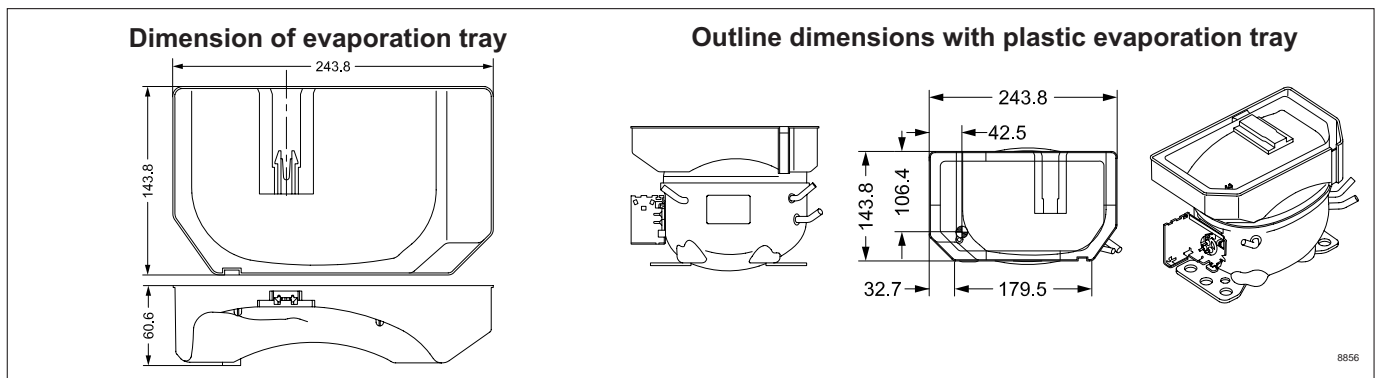
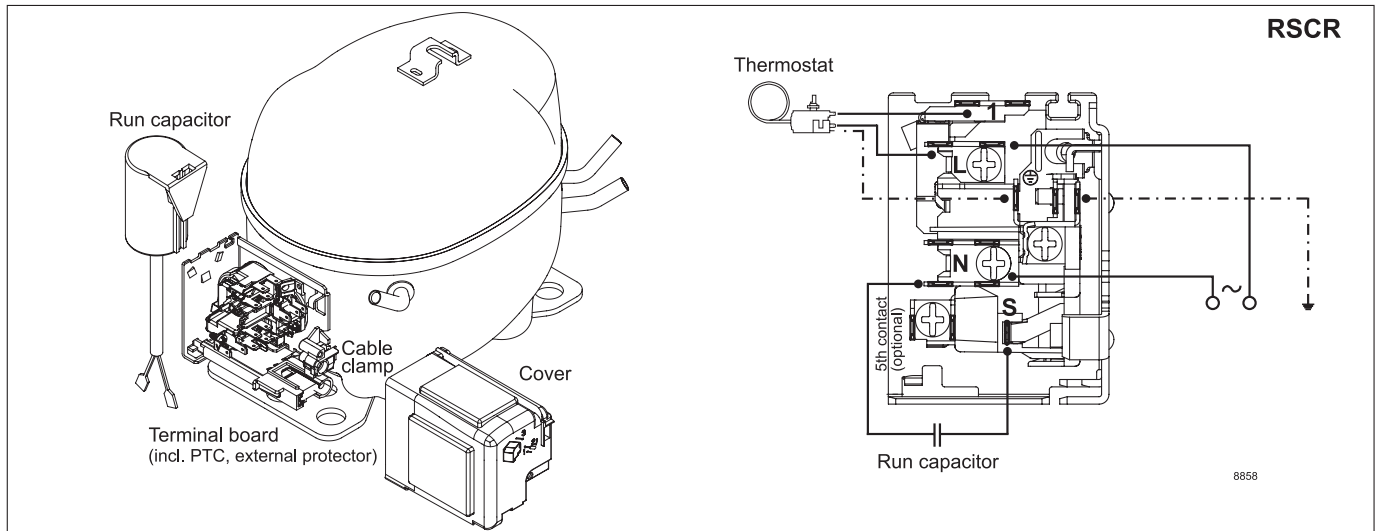
200V, 50Hz, PTC consumption incl., static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			59.6	81.4	108	119	140	178	221								
Power cons. in W			50.9	59.9	69.1	72.3	78.4	87.6	96.7								
Current cons. in A			0.26	0.3	0.34	0.36	0.38	0.42	0.47								
COP in W/W			1.17	1.36	1.57	1.64	1.79	2.03	2.29								

**ASHRAE LBP**

200V, 50Hz, RC 4 µF, PTC consumption incl., static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			59.6	81.4	108	119	140	178	221								
Power cons. in W			48.5	57.1	65.9	68.9	74.7	83.5	92.2								
Current cons. in A			0.24	0.29	0.33	0.34	0.37	0.40	0.44								
COP in W/W			1.23	1.42	1.64	1.72	1.88	2.13	2.40								



Accessories for	HXK70AT	Code number
Run capacitor (optional)	6.3 mm spade connectors	4 µF
Terminal board (incl. PTC and external protector)	6.3 mm spade connectors	DAF5
Motor protector	AE 18 FU x	F5
Cable clamp (screws not included)		11341000
Cover		15759500
Evaporation tray (optional)		11318802
All-in-one equipment, e.g. 4ZN		Code number
Cover / cable clamp + screws / earthing screw		16168000

Test conditions	EN 12900 Household	ASHRAE LBP
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

Mounting accessories	Code number
on request, various options available	

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