

## HXK70AA KAPPA LBP Compressor Superior Efficiency R600a 220-240V 50Hz

### General

Code number	CDO00110
Approvals	EN 60335-2-34 w. Annex AA
Compressors on pallet	100

### Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -5	-
Voltage range	V	187 to 264	-
Max. condensing temperature continuous (short)	°C	60 (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

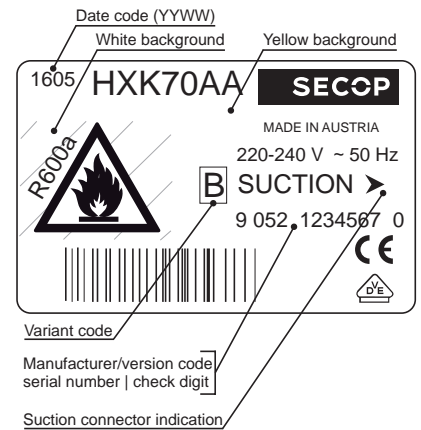
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST   LST	A	-	2.48
Cut in Current, HST   LST	A	-	3.16
Resistance, main   start winding (25°C)	Ω	37.8	29.4

### Design

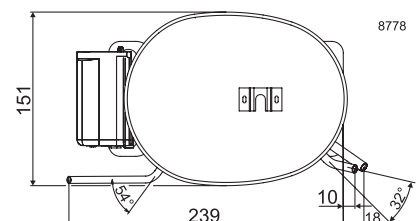
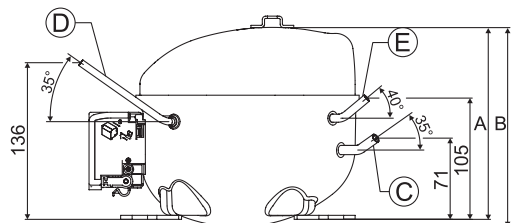
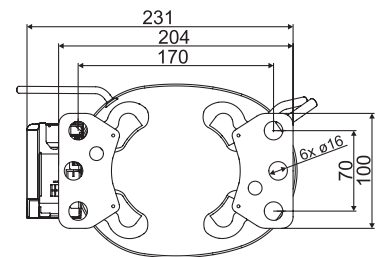
Displacement	cm <sup>3</sup>	6.64
Oil quantity (type)	cm <sup>3</sup>	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1660
Weight without electrical equipment	kg	8.2

### Dimensions

Height	mm	A	167.0
		B	173.5
Suction connector	location/I.D. mm   angle	C	6.15   35°
	material   comment		Copper   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		Copper   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**

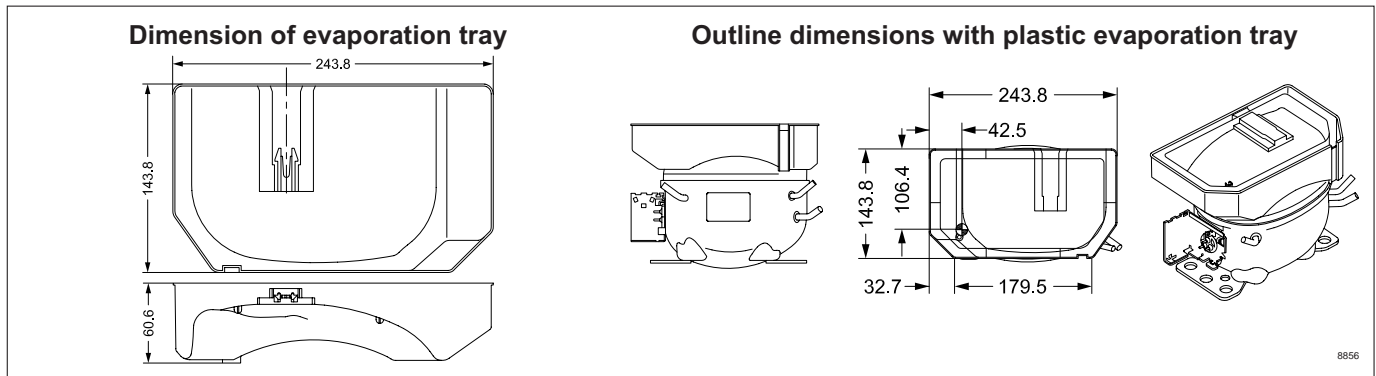
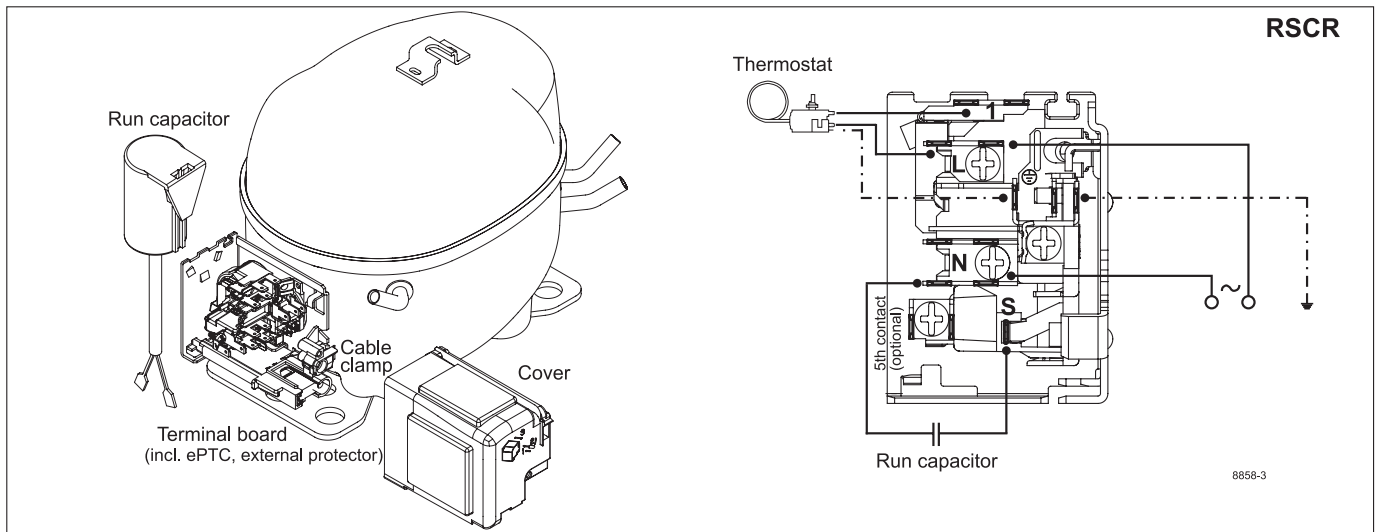
220V, 50Hz, RC 3µF, ePTC consumption incl., static cooling (alternative use of PTC +2W)

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			46.5	65.0	88.1	97.0	116	148	186	213	228						
Power cons. in W			42.8	51.1	60.5	63.9	70.7	81.5	92.6	99.9	104						
Current cons. in A			0.52	0.58	0.63	0.65	0.70	0.77	0.85	0.92	0.96						
COP in W/W			1.09	1.27	1.46	1.52	1.64	1.82	2.00	2.13	2.19						

**ASHRAE LBP**

220V, 50Hz, RC 3µF, ePTC consumption incl., static cooling (alternative use of PTC +2W)

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			57.2	79.5	108	118	141	181	226	259	277						
Power cons. in W			43.0	51.1	60.3	63.6	70.3	80.9	91.9	99.1	103						
Current cons. in A			0.52	0.57	0.63	0.65	0.69	0.76	0.85	0.92	0.95						
COP in W/W			1.33	1.56	1.78	1.86	2.01	2.23	2.46	2.61	2.70						



Accessories for	HXK70AA	Code number	Test conditions	EN 12900 Household	ASHRAE LBP
Run capacitor (compulsory)	4.8 mm or 6.3 mm spade connectors	3 µF	Condensing temperature	55°C	54.4°C
Terminal board (incl. ePTC and external protector)	4.8 mm spade connectors	ZX F6	Ambient temperature	32°C	32.2°C
Terminal board (incl. PTC and external protector)	6.3 mm spade connectors	DA F6	Suction gas temperature	32°C	32.2°C
Motor Protector	AE 25 FJ x	F6	Liquid temperature	no subcooling	32.2°C
Cable clamp (screws not included)		113410_			
Cover		157595_			
Evaporation tray (optional)		113188_			
<b>All-in-one equipment, e.g. 4ZN</b>		<b>Code number</b>	<b>Mounting accessories</b>	<b>Code number</b>	
Cover / cable clamp + screws / earthing screw		16168000	on request, various options available		

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