

## HKK12AA KAPPA LBP Compressor Top Efficiency R600a 220-240V 50Hz

### General

Code number	CDO00043
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

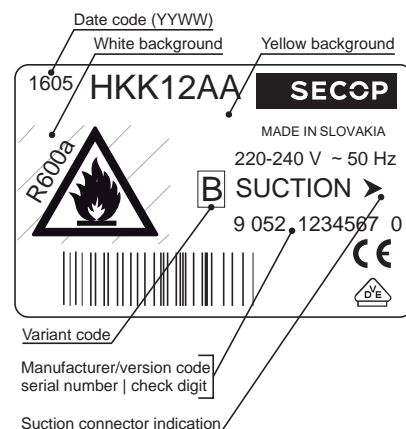
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST   LST	A	—	5.8
Cut in Current, HST   LST	A	—	13.9
Resistance, main   start winding (25°C)	Ω	16.1	14.0

### Design

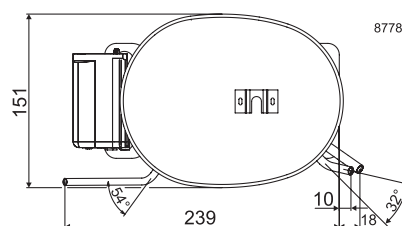
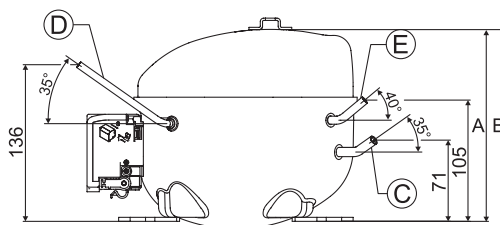
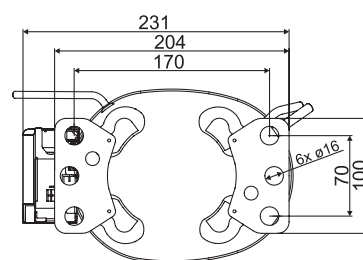
Displacement	cm <sup>3</sup>	11.2
Oil quantity (type)	cm <sup>3</sup>	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1560
Weight without electrical equipment	kg	9.0

### 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

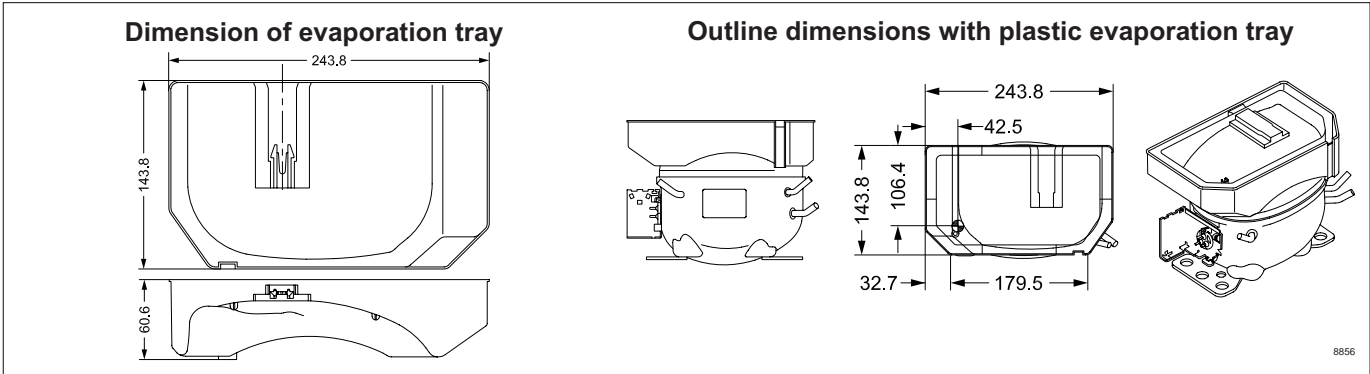
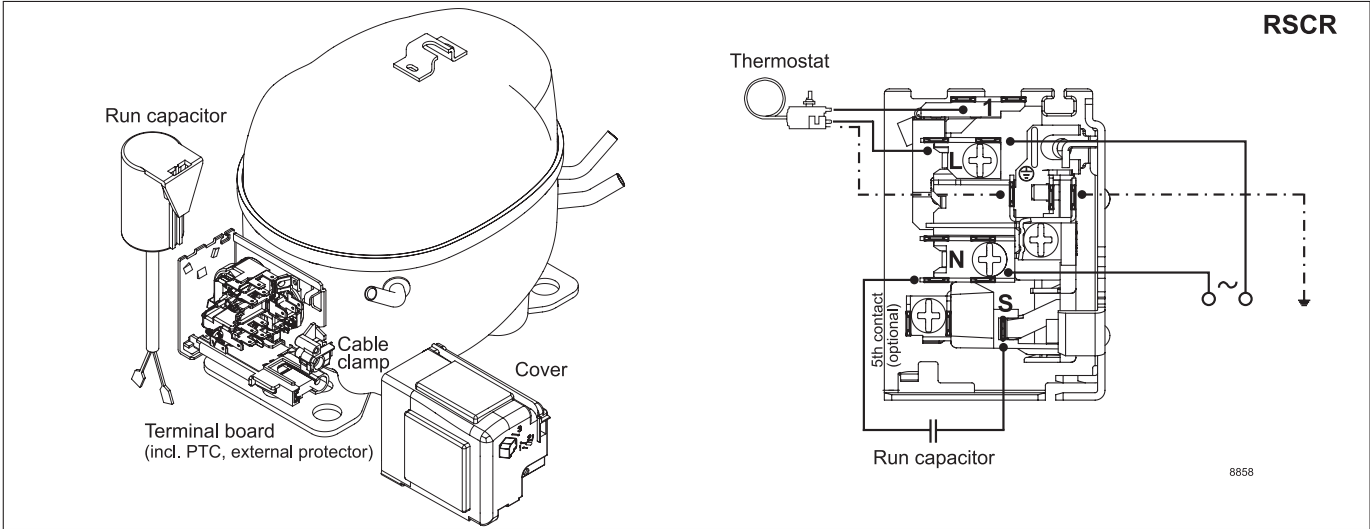
220V, 50Hz, RC 4µF, PTC consumption incl., static cooling

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			82.0	113	150	163	192	239	292	331	351						
Power cons. in W			76.6	90.9	106	111	121	136	152	162	167						
Current cons. in A			0.38	0.43	0.49	0.51	0.55	0.60	0.66	0.70	0.72						
COP in W/W			1.07	1.24	1.42	1.47	1.59	1.76	1.93	2.04	2.10						

ASHRAE LBP

220V, 50Hz, 4µF, 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			100	138	182	199	233	291	356	402	427						
Power cons. in W			76.4	90.5	105	110	120	135	151	161	166						
Current cons. in A			0.38	0.43	0.49	0.51	0.54	0.60	0.66	0.70	0.72						
COP in W/W			1.31	1.52	1.73	1.80	1.94	2.15	2.36	2.50	2.57						



Accessories for HKK12AA		Code number	Test conditions	EN 12900 Household	ASHRAE LBP
Run capacitor (compulsory)	4.8 mm or 6.3 mm spade connectors	4 µF	Condensing temperature	55°C	54.4°C
Terminal board	4.8 mm or 6.3 mm spade connectors	ZAFP / DAFP	Ambient temperature	32°C	32°C
(incl. PTC and external protector)			Suction gas temperature	32°C	32°C
Motor Protector	AE 72 FU x	FP	Liquid temperature	no subcooling	32°C
Evaporation tray (optional)		16299100			
All-in-one equipment, e.g. 4ZN		Code number	Mounting accessories		Code number
Cover / cable clamp + screws / earthing screw		16168000	on request, various options available		

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved. [www.secop.com](http://www.secop.com)