

**HKK80AA**  
**KAPPA LBP Compressor**  
**Top Efficiency**  
**R600a**  
**220-240V 50Hz**

## General

Code number	CDO00041
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

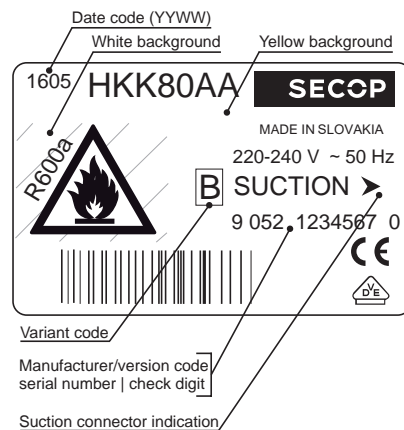
Motor type		RSCR	
LRA (rated after 4 sec. UL984), HST   LST	A	–	3.0
Cut in Current, HST   LST	A	–	9.3
Resistance, main   start winding (25°C)	Ω	22.1	23.6

## Design

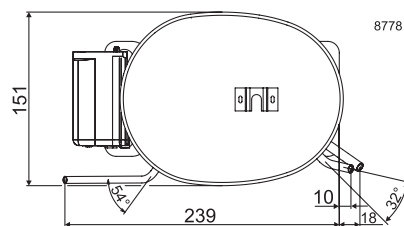
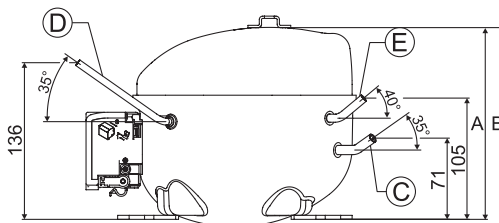
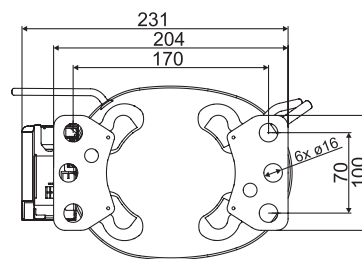
Displacement	cm <sup>3</sup>	8.1
Oil quantity (type)	cm <sup>3</sup>	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1500
Weight without electrical equipment	kg	8.20

## Dimensions

Height	mm	A	159
		B	165.5
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:			

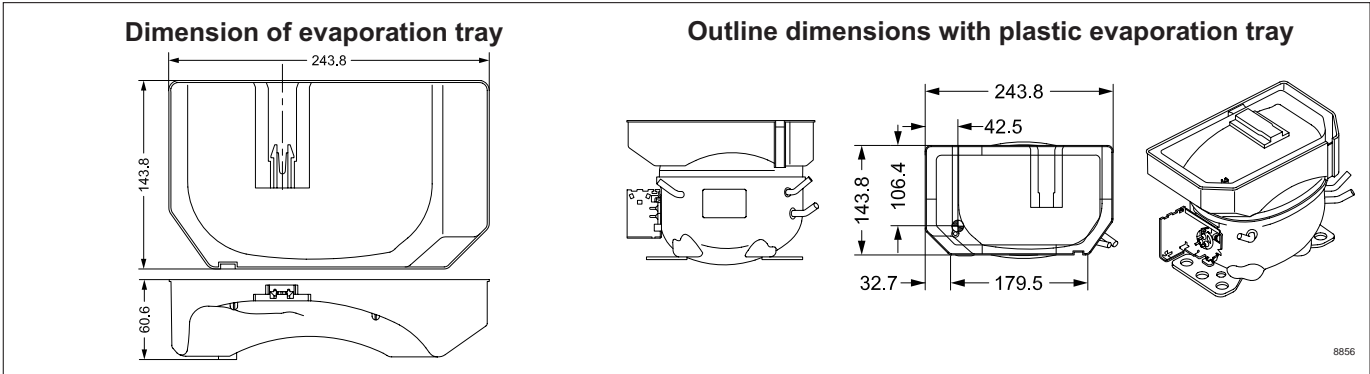
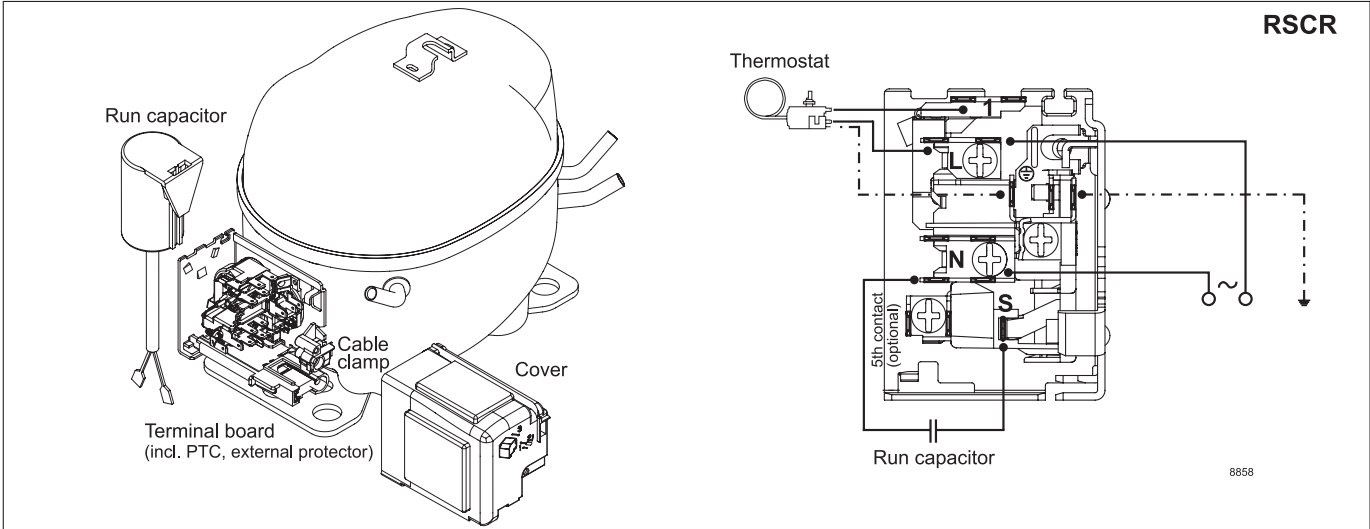


- S = Static cooling normally sufficient  
O = Oil cooling  
F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature  
equal to ambient temperature)  
F<sub>2</sub> = Fan cooling 3.0 m/s necessary  
SG = Suction gas cooling normally sufficient  
– = not applicable in this area



EN 12900 Household			220V, 50Hz, RC 3µF, PTC consumption incl., static cooling (alternative use of ePTC -1.4W)														
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			55.0	75.7	102	112	133	170	212	243	259						
Power cons. in W			55.8	64.1	73.9	77.5	84.9	96.6	109	117	121						
Current cons. in A			0.26	0.30	0.34	0.35	0.38	0.42	0.46	0.48	0.50						
COP in W/W			0.99	1.18	1.38	1.44	1.57	1.76	1.95	2.07	2.14						

ASHRAE LBP		220V, 50Hz, RC 3µF, PTC consumption incl., static cooling (alternative use of ePTC -1.4W)																
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			67.0	92.3	124	136	162	207	258	296	316							
Power cons. in W			55.7	63.9	73.6	77.2	84.5	96.1	108	116	120							
Current cons. in A			0.26	0.30	0.34	0.35	0.38	0.42	0.46	0.48	0.50							
COP in W/W			1.20	1.44	1.69	1.77	1.92	2.16	2.39	2.55	2.63							



Accessories for HKK80AA		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	4.8 mm or 6.3 mm spade connectors	ZHF4 / DHF4	Ambient temperature	32°C	32°C
(incl. PTC and external protector)			Suction gas temperature	32°C	32°C
Motor Protector	AE 24 FW x	F4	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		

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