

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

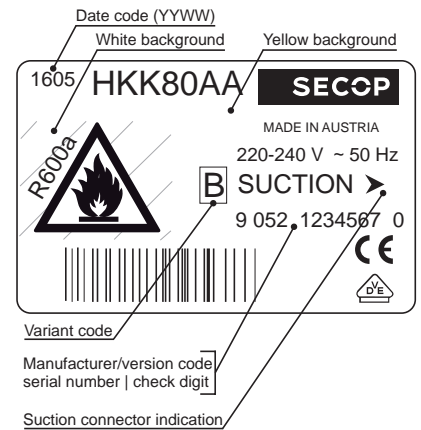
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	-	3.0
Cut in Current, HST LST	A	-	9.3
Resistance, main start winding (25°C)	Ω	22.1	23.6

Design

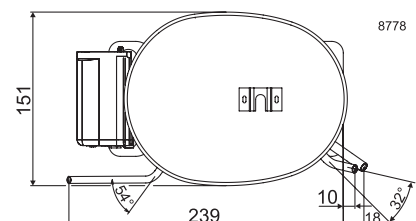
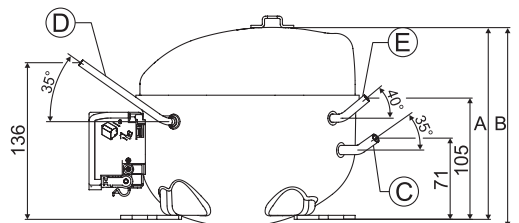
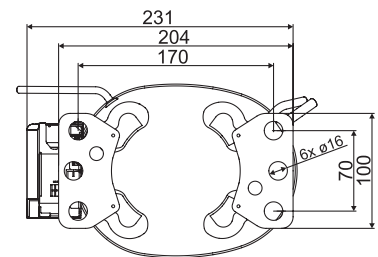
Displacement	cm ³	8.1
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1500
Weight without electrical equipment	kg	8.20

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
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



EN 12900 Household

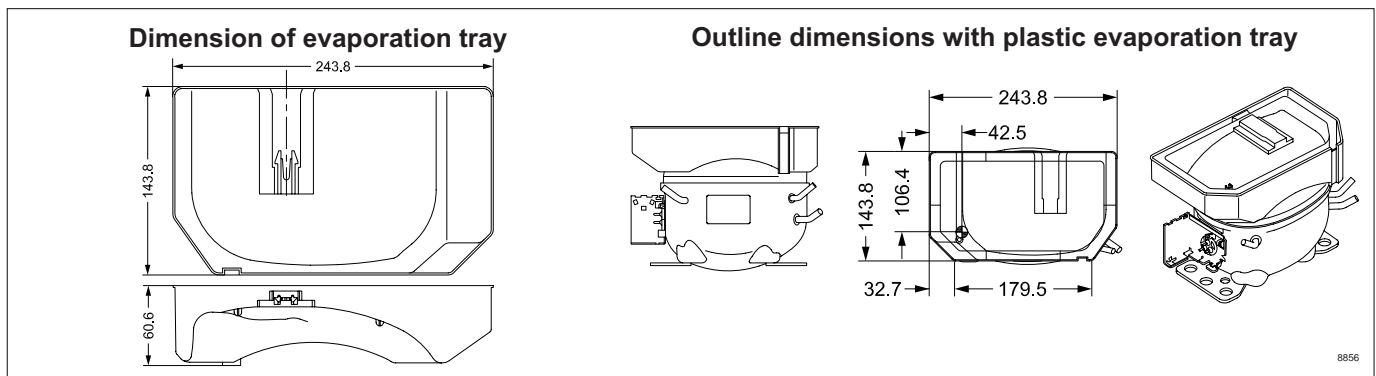
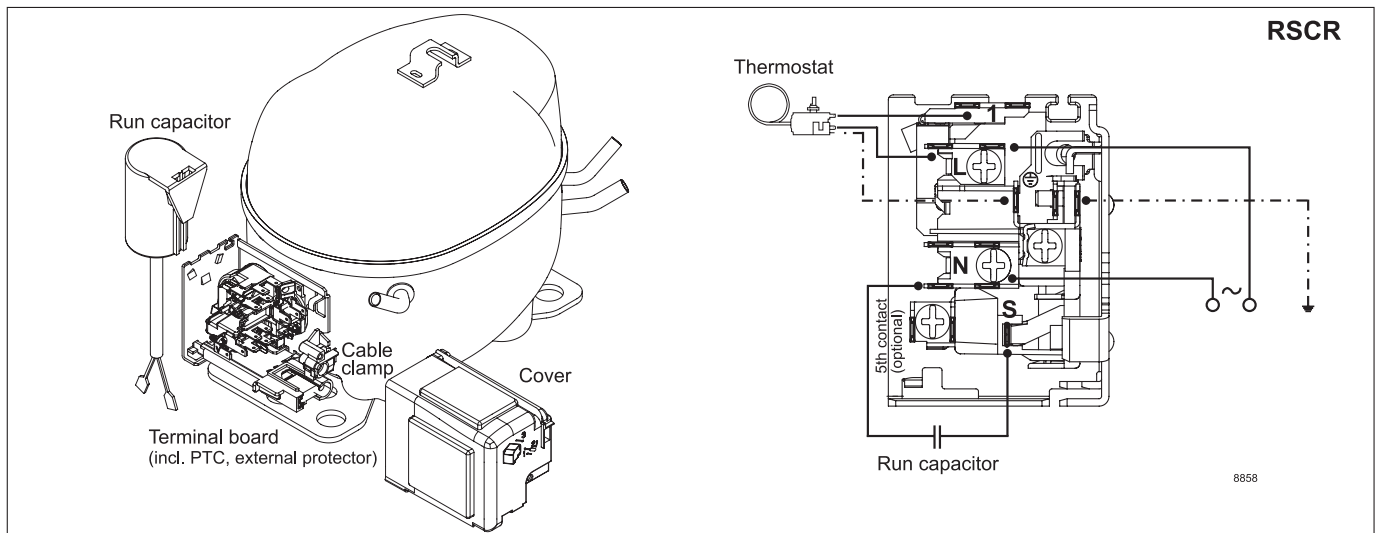
220V, 50Hz, RC 3µF, PTC consumption incl., static cooling (alternative use of ePTC -1.4W)

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 (incl. PTC and external protector)	4.8 mm or 6.3 mm spade connectors	ZHF4 / DHF4	Ambient temperature	32°C	32°C
Motor Protector	AE 24 FW x	F4	Suction gas temperature	32°C	32°C
Cable clamp (screws not included)		113410_	Liquid temperature	no subcooling	32°C
Cover		157595_			
Evaporation tray (optional)		113188_			
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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