

HKK55AA KAPPA LBP Compressor Top Efficiency R600a 220-240V 50Hz

General

Code number	CDO00039
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

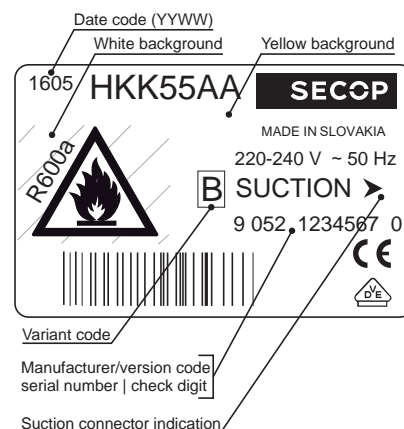
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	—	2.0
Cut in Current, HST LST	A	—	7.25
Resistance, main start winding (25°C)	Ω	40.6	24.8

Design

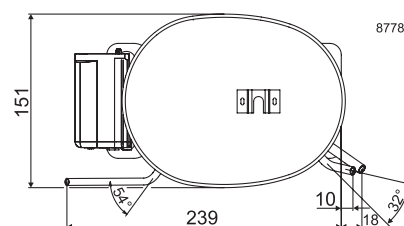
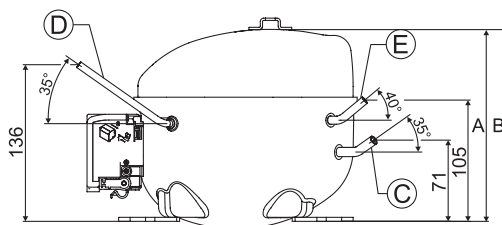
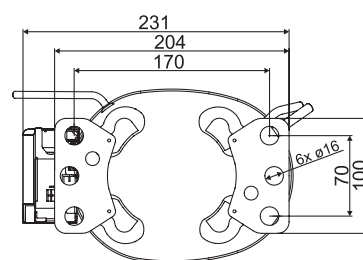
Displacement	cm ³	5.6
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1520
Weight without electrical equipment	kg	7.9

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 on application:			

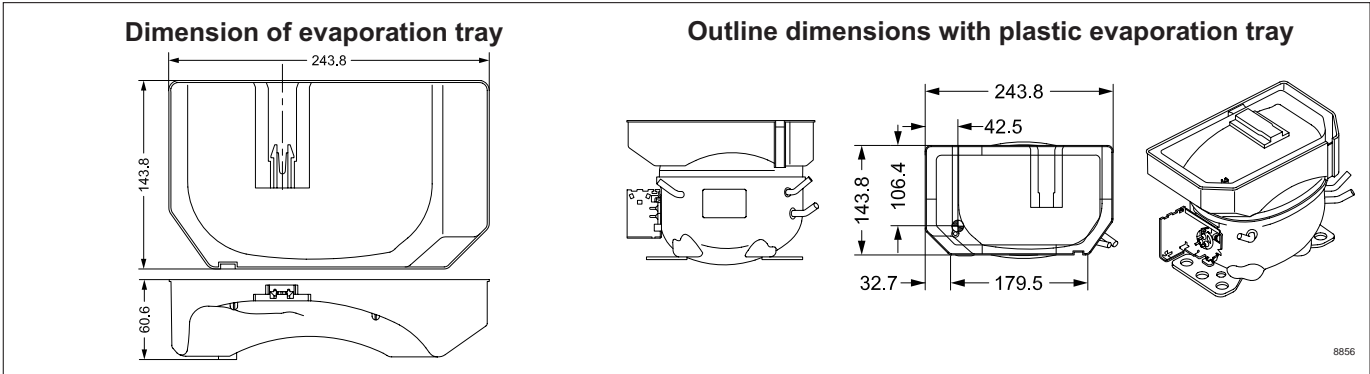
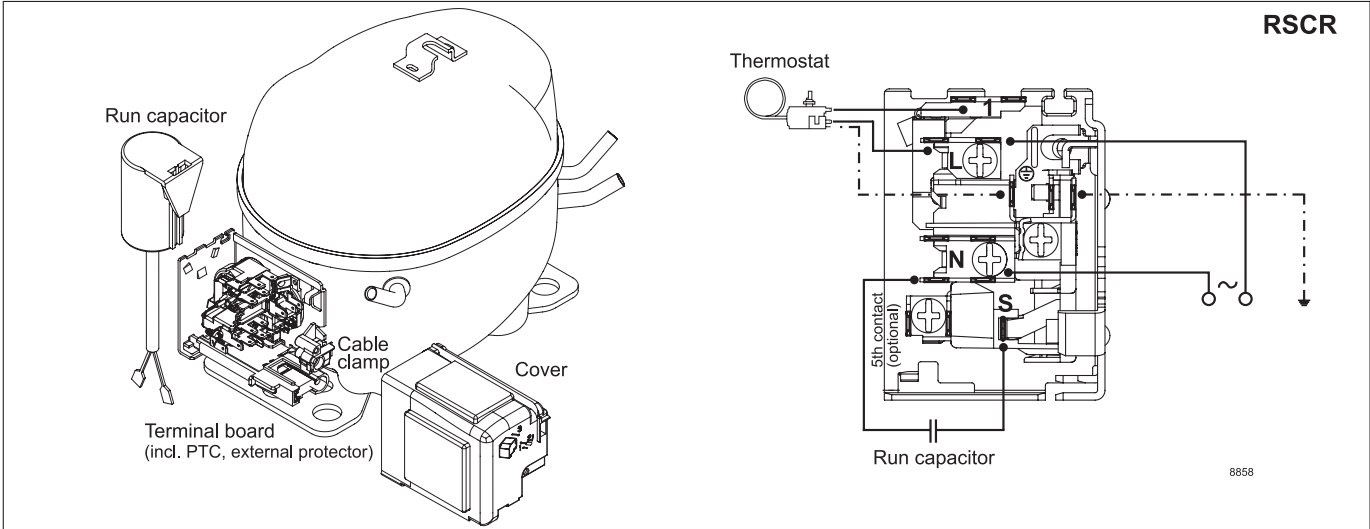


- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



EN 12900 Household			220V, 50Hz, RC 2.5µF, 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			31.6	48.3	68.5	76.1	92.1	119	150	172	183						
Power cons. in W			34.9	43.2	51.6	54.4	60.0	68.6	77.2	82.9	85.8						
Current cons. in A			0.19	0.21	0.23	0.24	0.25	0.27	0.30	0.31	0.32						
COP in W/W			0.91	1.12	1.33	1.40	1.53	1.74	1.94	2.07	2.14						

ASHRAE LBP		220V, 50Hz, RC 2.5μF, 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			38.7	59.1	83.7	92.9	112	145	182	209	223							
Power cons. in W			34.8	43.0	51.3	54.2	59.7	68.2	76.7	82.3	85.2							
Current cons. in A			0.19	0.21	0.23	0.24	0.25	0.27	0.30	0.31	0.32							
COP in W/W			1.11	1.37	1.63	1.72	1.88	2.13	2.38	2.54	2.62							



Accessories for HKK55AA		Code number	Test conditions	EN 12900 Household	ASHRAE LBP
Run capacitor (compulsory)	4.8 mm or 6.3 mm spade connectors	2.5 µF	Condensing temperature	55°C	54.4°C
Terminal board	4.8 mm or 6.3 mm spade connectors	ZHFF / DHFF	Ambient temperature	32°C	32°C
(incl. PTC and external protector)			Suction gas temperature	32°C	32°C
Motor Protector	AE 24 AHS x	FF	Liquid temperature	no subcooling	32°C
Evaporation tray (optional)		16299100			
All-in-one equipment, e.g. 4ZN		Code number	Mounting accessories		
Cover / cable clamp + screws / earthing screw		16168000	on request, various options available		

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