

HKK95AA
KAPPA LBP Compressor
Top Efficiency
R600a
220-240V 50Hz

General

Code number	CDO00042
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	H _z	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	—	—	—	—	—
38°C		S	—	—	—	—	—
43°C		S	—	—	—	—	—

Remarks on application:

Motor

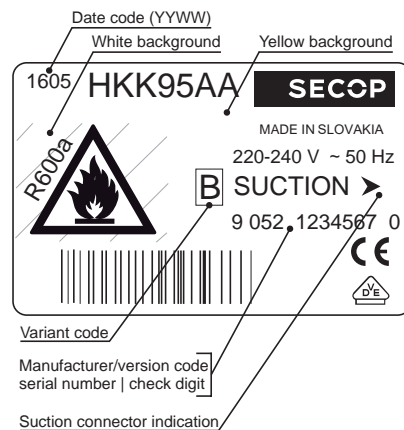
Motor type		RSCR	
LRA (rated after 4 sec. UL984), HST LST	A	–	3.9
Cut in Current, HST LST	A	–	12.0
Resistance, main start winding (25°C)	Ω	19.5	15.4

Design

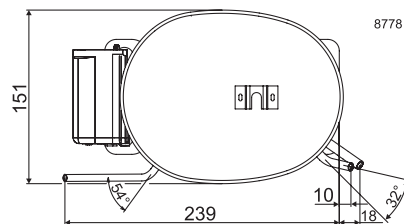
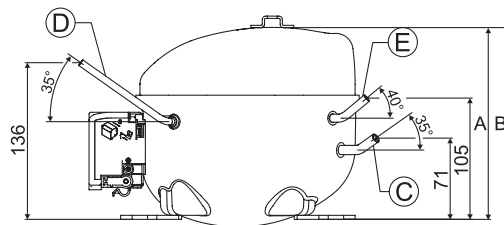
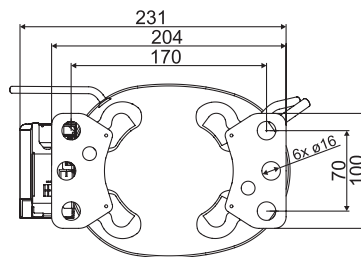
Displacement	cm ³	9.6
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1560
Weight without electrical equipment	kg	9.0

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
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

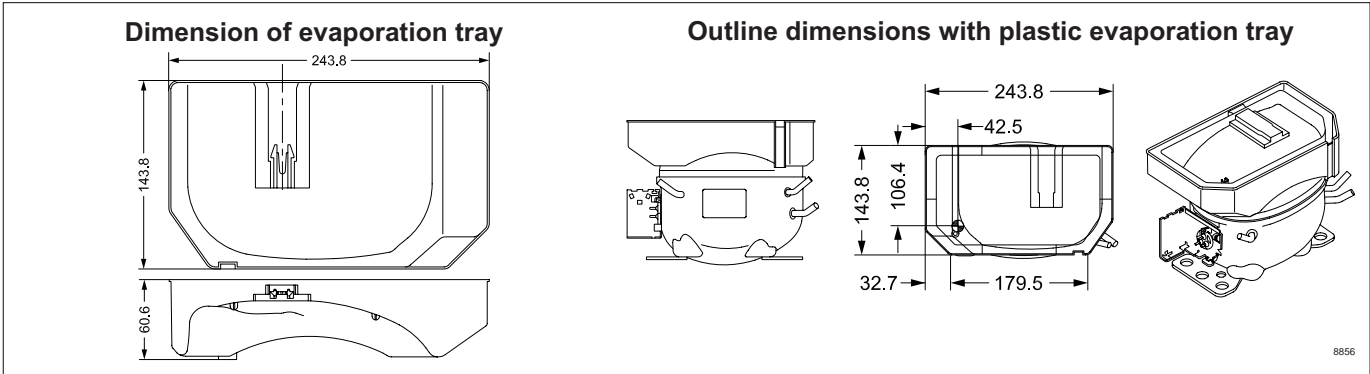
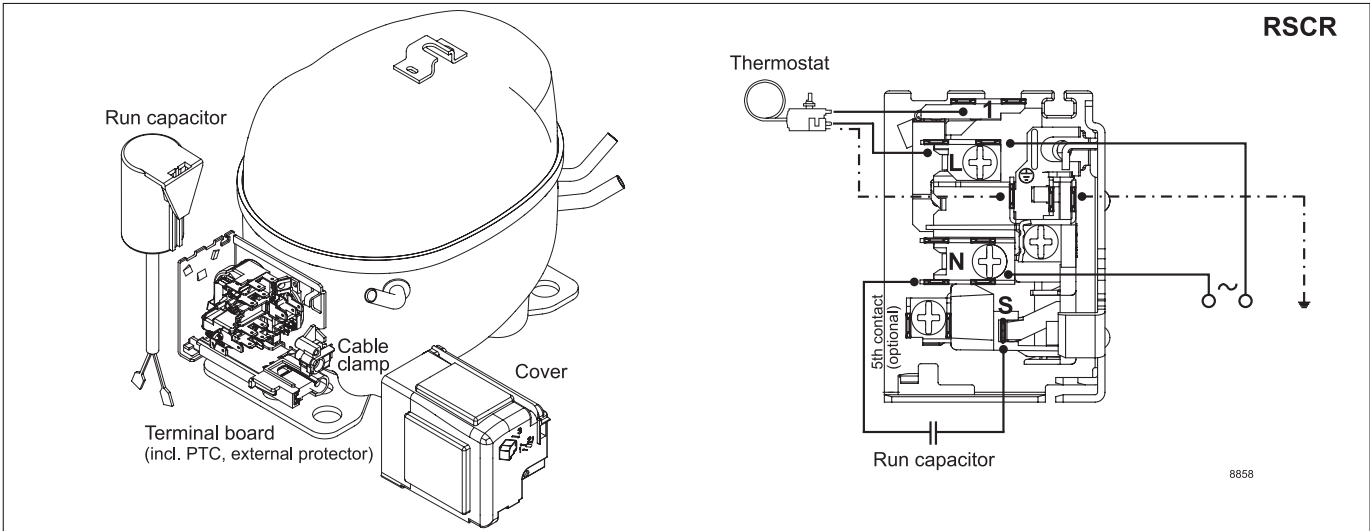
220V, 50Hz, RC 4µF, PTC consumption incl., static cooling

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			68.6	94.5	126	138	163	206	255	290	309						
Power cons. in W			65.2	76.8	89.4	93.9	103	117	131	141	146						
Current cons. in A			0.32	0.37	0.42	0.43	0.46	0.51	0.56	0.60	0.61						
COP in W/W			1.05	1.23	1.41	1.47	1.59	1.77	1.94	2.06	2.12						

ASHRAE LBP

220V, 50Hz, 4 µF, 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			83.7	115	154	168	199	251	310	353	376						
Power cons. in W			65.0	76.5	88.9	93.4	102	116	130	140	145						
Current cons. in A			0.32	0.37	0.42	0.43	0.46	0.51	0.56	0.59	0.61						
COP in W/W			1.29	1.51	1.73	1.80	1.95	2.16	2.38	2.53	2.60						



Accessories for HKK95AA		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	ZAFC / DAFC	Ambient temperature	32°C	32°C
(incl. PTC and external protector)			Suction gas temperature	32°C	32°C
Motor Protector	AE 15 BU x	FC	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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