

HXK55AA KAPPA LBP Compressor Superior Efficiency R600a 220-240V 50Hz

General

Code number	CDO00045
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

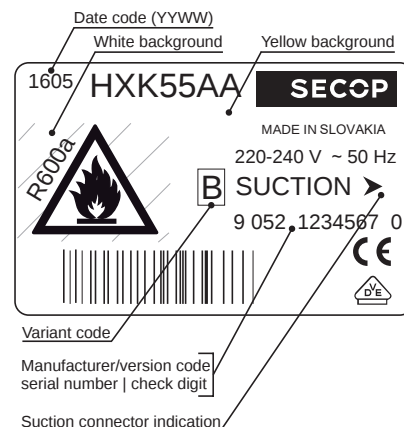
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	—	1.75
Cut in Current, HST LST	A	—	6.7
Resistance, main start winding (25°C)	Ω	35.9	23.6

Design

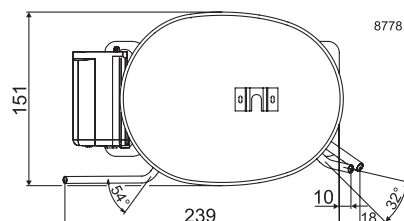
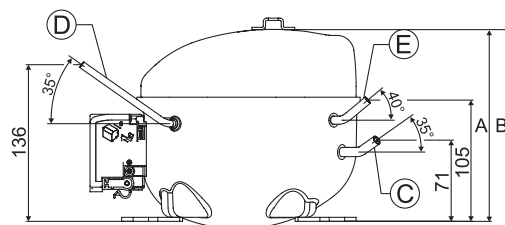
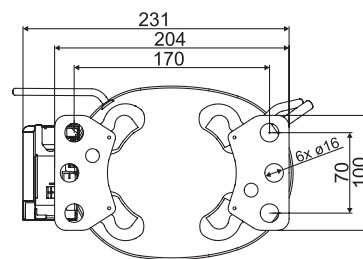
Displacement	cm ³	5.6
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1500
Weight without electrical equipment	kg	8.5

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

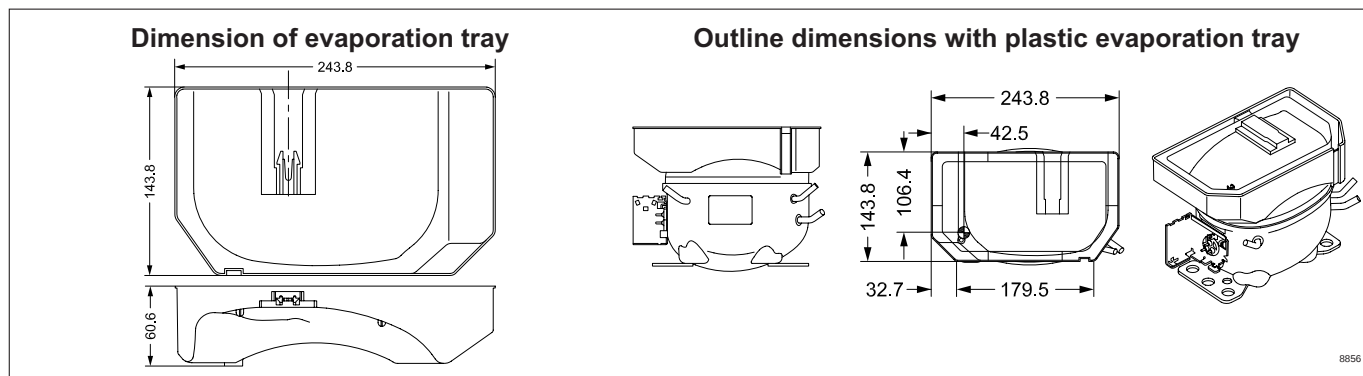
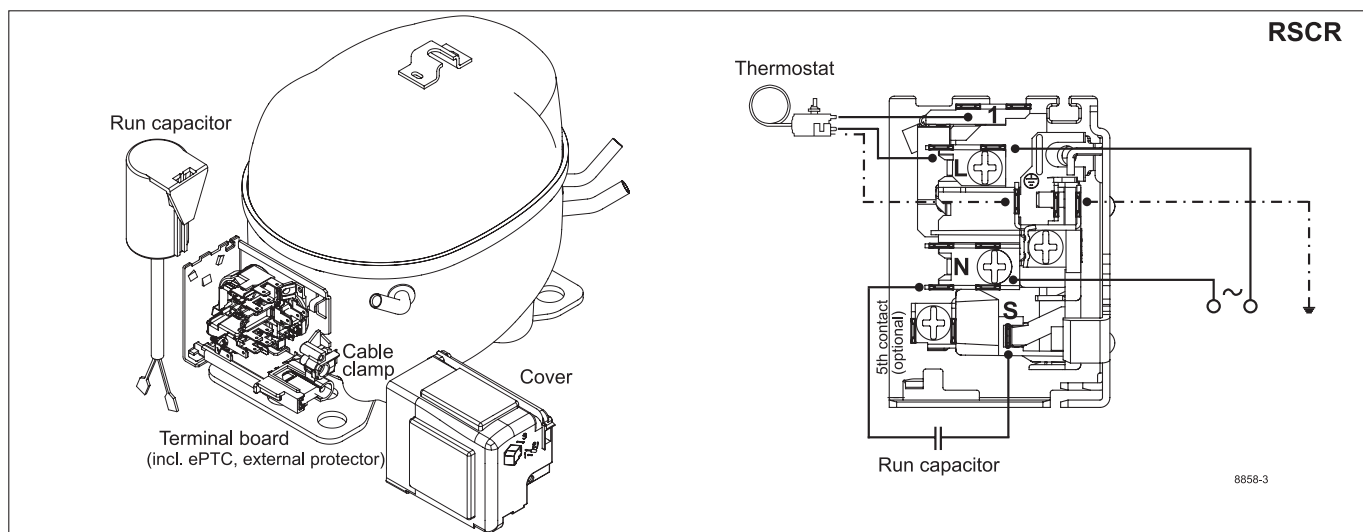


EN 12900 Household220V, 50Hz, RC 2 μ F, ePTC consumption incl., static cooling (alternative use of PTC +2W)

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			35.9	52.3	72.0	79.5	95.1	121	151	172	184						
Power cons. in W			33.9	42.0	50.3	53.2	58.8	67.5	76.3	82.2	85.2						
Current cons. in A			0.19	0.21	0.24	0.25	0.27	0.30	0.33	0.35	0.36						
COP in W/W			1.06	1.24	1.43	1.49	1.62	1.80	1.98	2.10	2.16						

ASHRAE LBP220V, 50Hz, RC 2 μ F, ePTC consumption incl., static cooling (alternative use of PTC +2W)

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			43.9	64.0	88.1	97.2	116	148	184	210	224						
Power cons. in W			34.0	42.0	50.2	53.0	58.6	67.1	75.7	81.5	84.5						
Current cons. in A			0.19	0.21	0.24	0.25	0.27	0.30	0.33	0.35	0.36						
COP in W/W			1.29	1.52	1.75	1.83	1.98	2.21	2.43	2.58	2.65						



Accessories for HXK55AA		Code number	Test conditions	EN 12900 Household	ASHRAE LBP
Run capacitor (compulsory)	4.8 mm or 6.3 mm spade connectors	3 μ F	Condensing temperature	55°C	54.4°C
Terminal board	4.8 mm spade connectors	ZX F6	Ambient temperature	32°C	32.2°C
(incl. ePTC and external protector)			Suction gas temperature	32°C	32.2°C
Terminal board	6.3 mm spade connectors	DA F6	Liquid temperature	no subcooling	32.2°C
(incl. PTC and external protector)	4.8 mm spade connectors	ZA F6			
Motor Protector	AE 25 FJ x	F6			
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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