

HZK12AA KAPPA LBP Compressor Superior Efficiency R600a 220-240V 50Hz

General

Code number	CDO00077
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

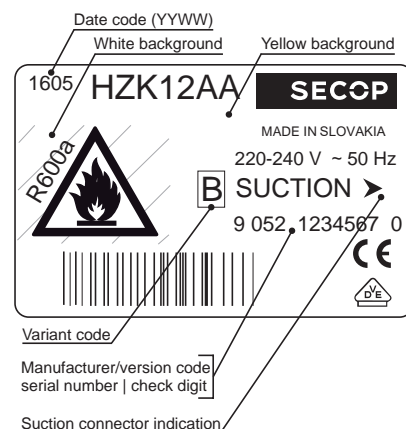
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	–	4.2
Cut in Current, HST LST	A	–	10.8
Resistance, main start winding (25°C)	Ω	15.50	12.5

Design

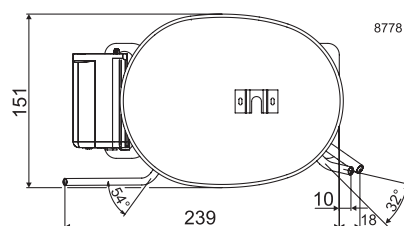
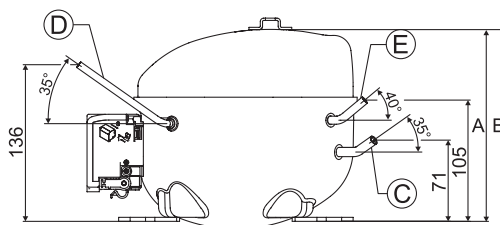
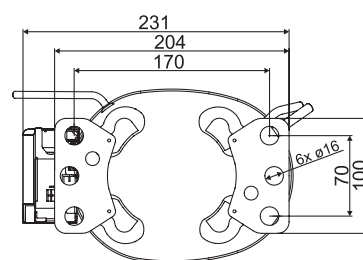
Displacement	cm ³	11.1
Oil quantity (type)	cm ³	140 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1620
Weight without electrical equipment	kg	9.6

Dimensions

Height	mm	A	170
		B	176.5
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

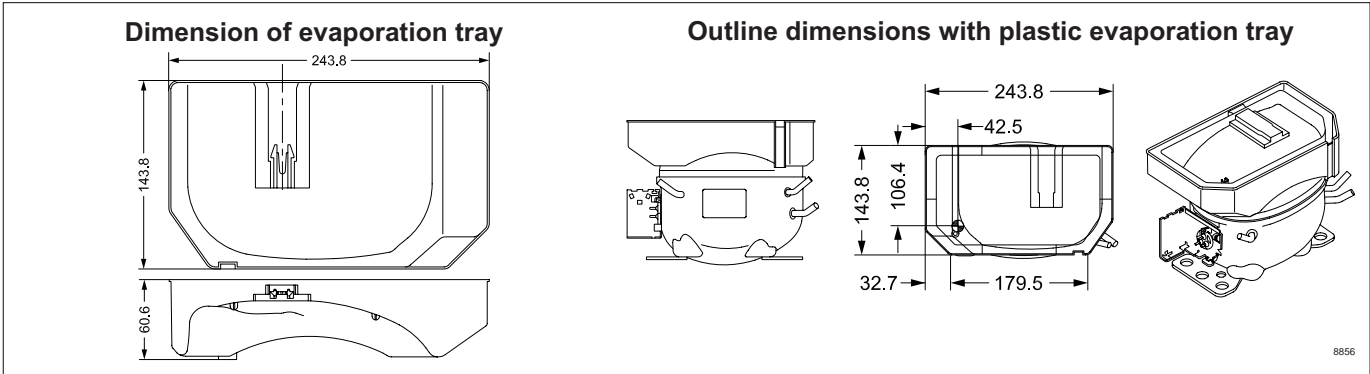
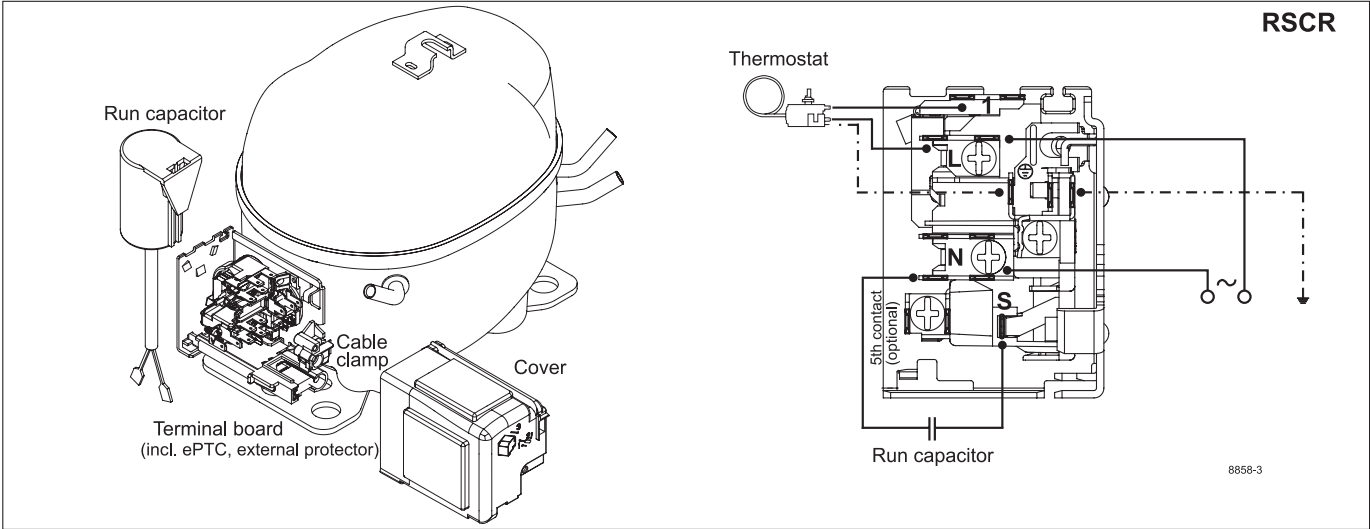
220V, 50Hz, RC 4µF, ePTC consumption incl., static cooling

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			83.6	114	151	164	193	240	293	331	352						
Power cons. in W			68.9	82.9	96.7	101	110	124	138	147	151						
Current cons. in A				0.37		0.45			0.60								
COP in W/W			1.21	1.38	1.56	1.62	1.75	1.94	2.13	2.26	2.33						

ASHRAE LBP

220V, 50Hz, RC 4µF, ePTC 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			102	139	184	200	235	293	358	405	430						
Power cons. in W			68.8	82.7	96.3	101	110	123	137	146	151						
Current cons. in A				0.37		0.45			0.60								
COP in W/W			1.48	1.69	1.91	1.98	2.14	2.37	2.61	2.77	2.85						



Accessories for	HZK12AA	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	ZX FP	Ambient temperature	32°C	32.2°C
(incl. ePTC and external protector)			Suction gas temperature	32°C	32.2°C
Motor Protector	AE72 FU x	FP	Liquid temperature	no subcooling	32.2°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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