

HXK95AT KAPPA Tropical Compressor Superior Efficiency R600a 200-240V 50Hz, 208-230V 60Hz

General

Code number	CDO00137
Approvals	EN 60335-2-34 w. Annex AA
Compressors on pallet	100

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-30 to -5	-35 to -10
Voltage range	V	170 to 264	198 to 253
Max. condensing temperature continuous (short)	°C	65 (70)	65 (70)
Max. winding temperature continuous (short)	°C	120 (130)	120 (130)

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	S	–	–
38°C		S	–	–	S	–	–
43°C		S	–	–	S	–	–
Remarks on application:							

Motor

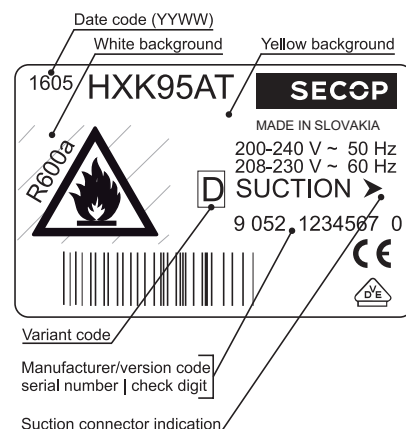
Motor type	RSCR/RSIR		
LRA (rated after 4 sec. UL984), HST LST	A	–	6.0
Cut in Current, HST LST	A	–	17.2
Resistance, main start winding (25°C)	Ω	15.8	10.1

Design

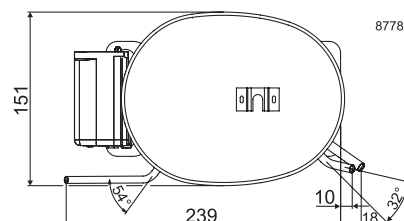
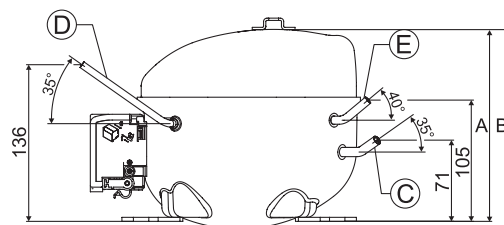
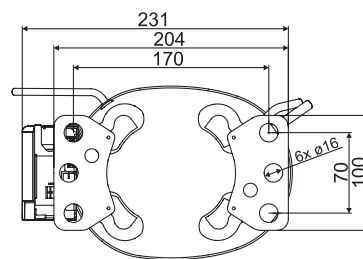
Displacement	cm ³	9.60
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1560
Weight without electrical equipment	kg	8.60

Dimensions

Height	mm	A	167.0
		B	173.5
Suction connector	location/I.D. mm angle	C	6.15 35°
	material comment	Cu-plated steel 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	Cu-plated steel 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

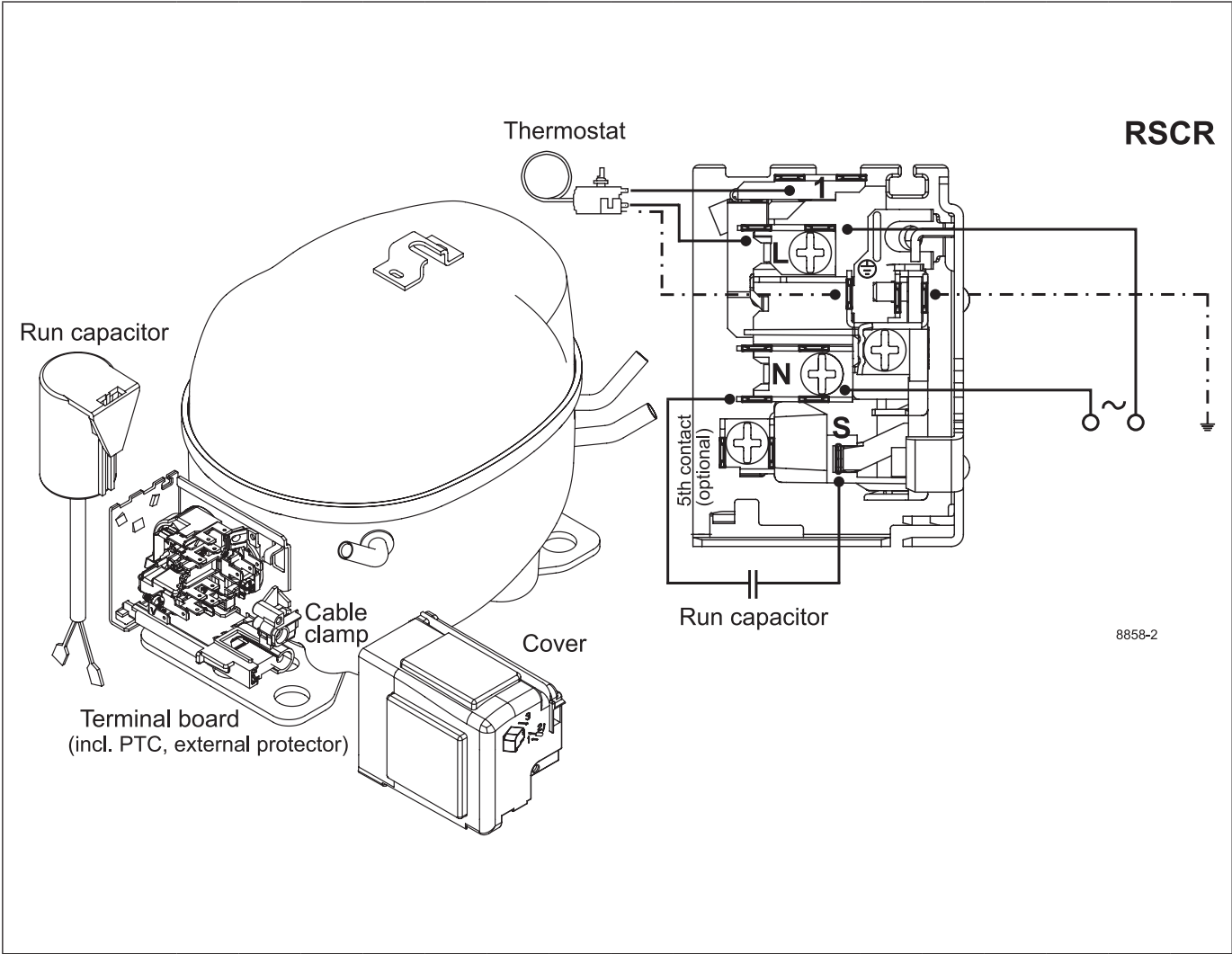


EN 12900 Household			200V, 50Hz, PTC consumption incl., static cooling														
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			60.4	95.2	130	142	167	209	256								
Power cons. in W			57.7	81.3	99.2	104	113	125	137								
Current cons. in A			0.41	0.50	0.57	0.59	0.62	0.67	0.72								
COP in W/W			1.05	1.17	1.31	1.37	1.48	1.66	1.86								

EN 12900 Household			200V, 50Hz, RC 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			60.4	95.2	130	142	167	209	256								
Power cons. in W			55.1	77.6	94.6	99.5	108	120	131								
Current cons. in A			0.39	0.47	0.54	0.56	0.59	0.64	0.69								
COP in W/W			1.10	1.23	1.38	1.43	1.55	1.74	1.95								

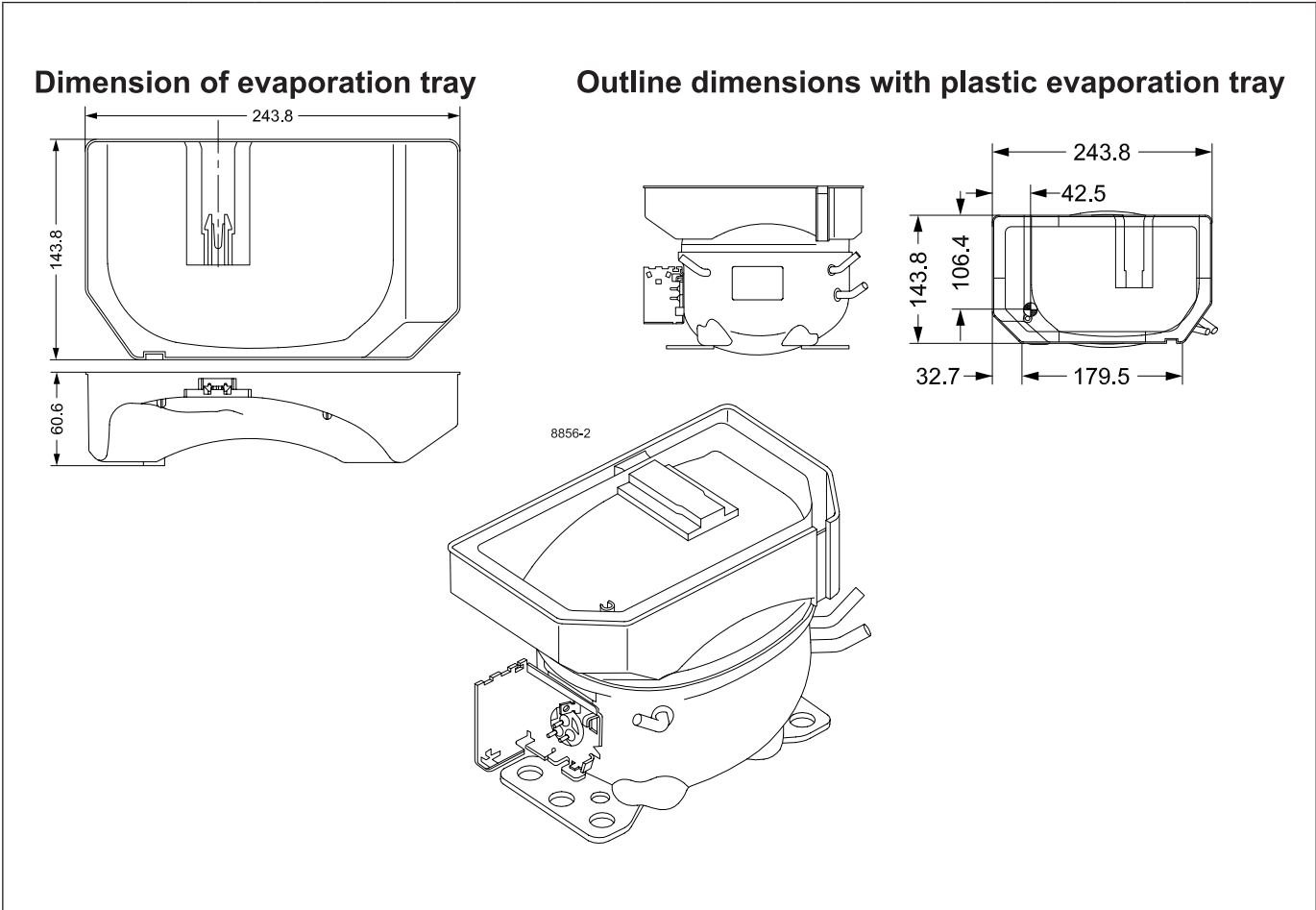
ASHRAE LBP		200V, 50Hz, PTC consumption incl., static cooling																
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20	
Capacity in W			75.8	117	159	174	204	254	312									
Power cons. in W			58.4	81.5	99	104	113	125	136									
Current cons. in A			0.41	0.50	0.56	0.58	0.62	0.67	0.72									
COP in W/W			1.30	1.44	1.61	1.67	1.81	2.04	2.28									

ASHRAE LBP			200V, 50Hz, RC 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			75.8	117	159	174	204	254	312								
Power cons. in W			55.7	77.8	94.5	99.2	108	119	130								
Current cons. in A			0.39	0.47	0.54	0.56	0.59	0.64	0.69								
COP in W/W			1.36	1.51	1.68	1.75	1.89	2.13	2.39								



EN 12900 Household		220V, 60Hz, RC 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			95.3	118	151	165	194	245	304								
Power cons. in W			86.6	96.8	109	114	123	138	153								
Current cons. in A			0.32	0.46	0.56	0.59	0.64	0.70	0.77								
COP in W/W			1.10	1.22	1.39	1.45	1.57	1.77	1.98								

ASHRAE LBP		220V, 60Hz, RC 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			117	144	185	201	236	299	370								
Power cons. in W			86.7	96.7	109	113	123	137	153								
Current cons. in A			0.33	0.46	0.56	0.59	0.64	0.70	0.76								
COP in W/W			1.35	1.49	1.69	1.77	1.93	2.17	2.43								



Accessories for HXK95AT			Code number	Test conditions	EN 12900 Household	ASHRAE LBP
50 Hz: run capacitor (optional)	6.3 mm spade connectors		4 µF	Condensing temperature	55°C	54.4°C
60 Hz: run capacitor (compulsory)	6.3 mm spade connectors		4 µF	Ambient temperature	32°C	32°C
Terminal board	6.3 mm spade connectors		DCFP	Suction gas temperature	32°C	32°C
(incl. PTC and external protector)				Liquid temperature	no subcooling	32°C
Motor protector	AE 72 FU x		FP			
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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