

HTK80AA KAPPA LBP Compressor Top Efficiency R600a 220-240V 50Hz

General

Code number	CDO00036
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

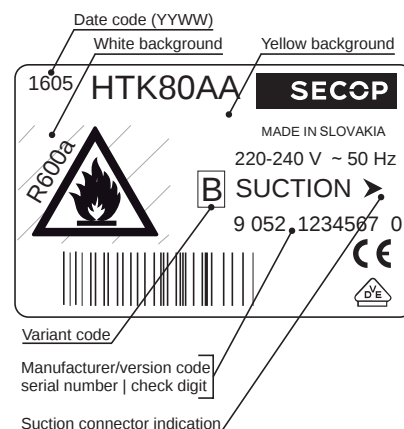
Motor type	RSCR/RSIR		
LRA (rated after 4 sec. UL984), HST LST	A	—	3.4
Cut in Current, HST LST	A	—	12.3
Resistance, main start winding (25°C)	Ω	26.4	16.7

Design

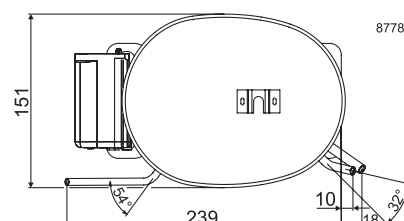
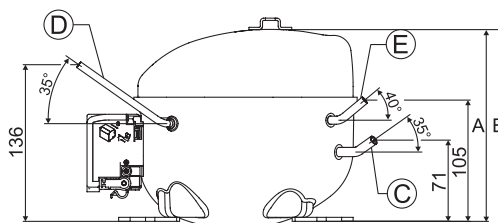
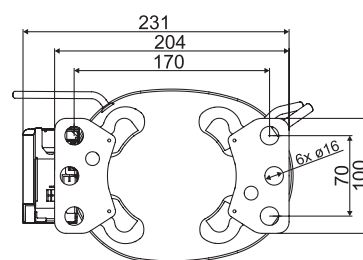
Displacement	cm ³	8.10
Oil quantity (type)	cm ³	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1500
Weight without electrical equipment	kg	7.90

Dimensions

Height	mm	A	159.0
		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 Household

220V, 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			54.9	75.7	102	112	133	170	212	243	259						
Power cons. in W			61.1	70.8	81.2	84.9	92.2	104	115	123	127						
Current cons. in A			0.39	0.46	0.51	0.53	0.56	0.61	0.65	0.68	0.70						
COP in W/W			0.90	1.07	1.25	1.32	1.44	1.64	1.84	1.98	2.05						

ASHRAE LBP

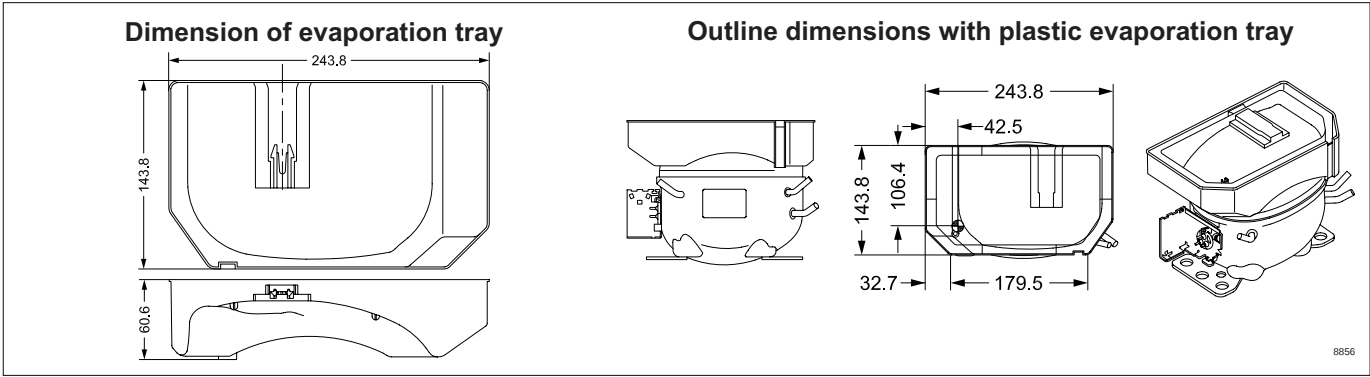
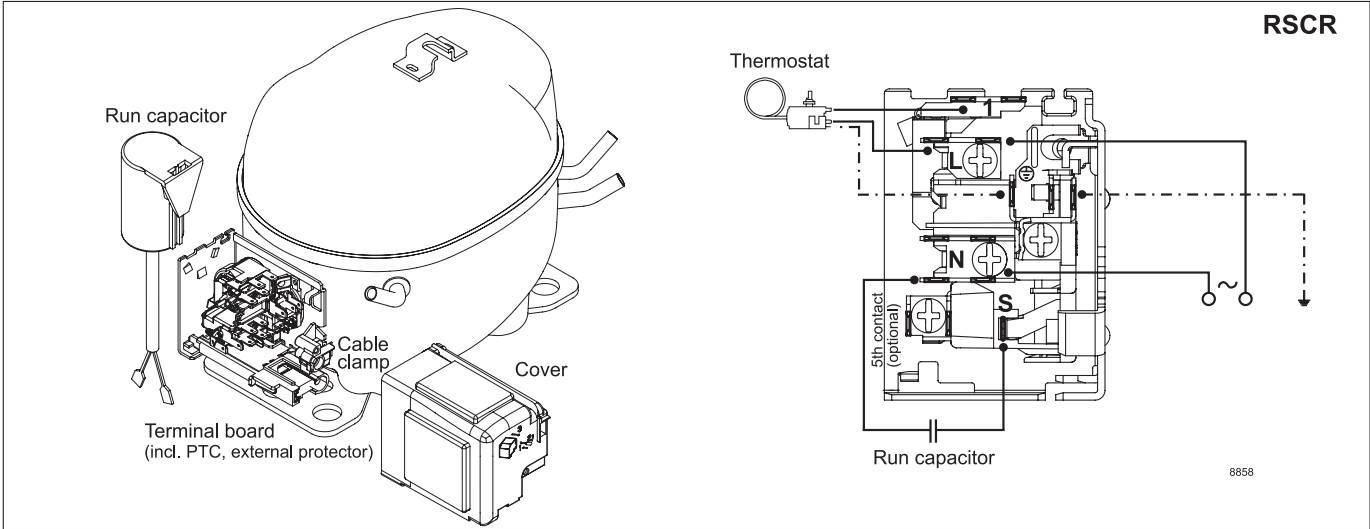
220V, 50Hz, PTC consumption incl., static cooling

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			66.9	92.2	124	136	162	207	258	296	316						
Power cons. in W			61.1	70.6	80.9	84.5	91.7	103	114	122	125						
Current cons. in A			0.40	0.46	0.51	0.53	0.56	0.61	0.65	0.68	0.69						
COP in W/W			1.09	1.31	1.53	1.61	1.77	2.01	2.26	2.43	2.52						

ASHRAE LBP

220V, 50Hz, RC 3µF, 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			66.9	92.2	124	136	162	207	258	296	316						
Power cons. in W			59.1	68.5	78.5	82.1	89.1	100	111	119	123						
Current cons. in A			0.31	0.34	0.38	0.39	0.41	0.45	0.49	0.52	0.53						
COP in W/W			1.13	1.35	1.58	1.66	1.82	2.07	2.32	2.49	2.58						



Accessories for HTK80AA		Code number	Test conditions	EN 12900 Household	ASHRAE LBP
Run capacitor (optional)	4.8 mm or 6.3 mm spade connectors	3 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	32.2°C
(incl. PTC and external protector)			Suction gas temperature	32°C	32.2°C
Motor Protector	AE 15 BU x	FC	Liquid temperature	no subcooling	32.2°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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