

# HXK95AA KAPPA LBP Compressor Superior Efficiency R600a 220-240V 50Hz

#### General

Code number	CDO00085
Approvals	EN 60335-2-34 w. Annex AA
Compressors on pallet	100

### Application

Application		LI	3P
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

cooling requirements								. C
Frequency H	Ηz		50			60		F
Application		LBP	MBP	HBP	LBP	MBP	HBP	
32°C		S	-	-	-	-	-	F
38°C		S	-	-	-	-	-	S
43°C		S	-	-	-	-	-	-
Remarks on application:								



- = Static cooling normally sufficient
- O = Oil cooling

S

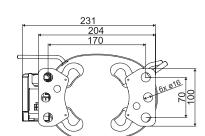
- $F_1 = Fan \text{ cooling } 1.5 \text{ m/s}$ 
  - (compressor compartment temperature equal to ambient temperature)
- $F_2$  = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
- = not applicable in this area

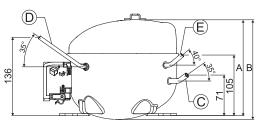
#### Motor

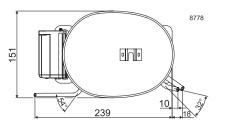
Motor type		RS	CR
LRA (rated after 4 sec. UL984), HST   LST	А	-	3.8
Cut in Current, HST   LST	А	-	11.6
Resistance, main   start winding (25°C)	Ω	22,4	15,3

## Design

Displacement	cm <sup>3</sup>	9.6
Oil quantity (type)	cm <sup>3</sup>	165 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1560
Weight without electrical equipment	kg	8.60





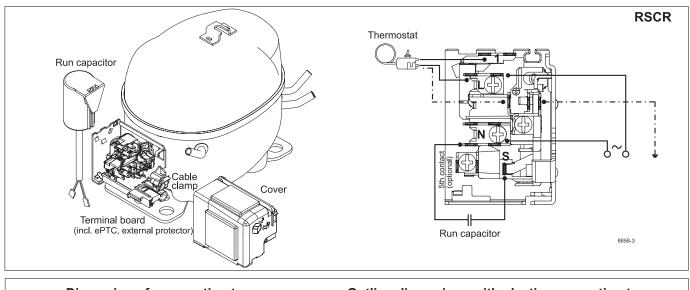


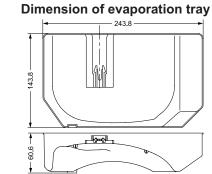
## Dimensions

Dimensions			
Height	mm	А	167.0
		В	173.5
Suction connector	location/I.D. mm   angle	С	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	Е	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:			

EN 12900 Househo	ld			220V,	50Hz, F	RC 4µF,	ePTC	consum	ption ir	icl., stat	ic cooli	ng (alte	rnative	use of	PTC +2	W)	
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			72.9	97.7	129	140	166	208	257	292	312						
Power cons. in W			64.0	74.1	85.6	89.8	98.3	112	126	135	140						
Current cons. in A			0.32	0.35	0.39	0.40	0.43	0.47	0.52	0.57	0.59						
COP in W/W			1.14	1.32	1.50	1.56	1.68	1.87	2.04	2.16	2.22						

ASHRAE LBP 220V, 50Hz, RC 4µF, ePTC consumption incl., static cooling (alternative use of PTC +2)										W)							
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			88.8	119	157	171	202	254	313	356	380						
Power cons. in W			63.9	73.9	85.4	89.5	97.9	111	125	134	139						
Current cons. in A			0.32	0.35	0.39	0.40	0.43	0.47	0.52	0.56	0.59						
COP in W/W			1.39	1.61	1.84	1.91	2.06	2.28	2.50	2.65	2.72						

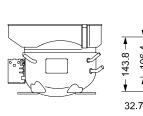


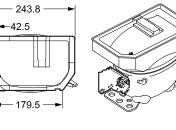


Outline dimensions with plastic evaporation tray

106.4

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8856

Accessories for HXK95	AA	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 spade connectors		Ambient temperature	32°C	32.2°C		
(incl. ePTC and external protector)		ZX F5	Suction gas temperature	32°C	32.2°C		
Terminal board	6.3 mm spade connectors	DA F5	Liquid temperature	no subcooling	32.2°C		
(incl. PTC and external protector)	4.8 mm spade connectors	ZA F5					
Motor Protector	AE18 FU x	F5					
Evaporation tray (optional)		16299100					
All-in-one equipment, e.g. 4ZN	Code number	Mounting accessories		Code number			
Cover / cable clamp + screws / earth	ing screw	16168000	on request, various options available				

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