



# 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					
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	_	_	_	-	_
38°C		S	_	_	_	-	_
43°C		S	_	_	_	-	_

Remarks on application:

Date code (YYWW)  White background	Yellow background
1605/HZK12AA	SECOP
<b>B</b>	MADE IN AUSTRIA 220-240 V ~ 50 Hz SUCTION >, 0 052, 1234567 0
Variant code /	
Manufacturer/version code serial number   check digit	
Suction connector indication	

S = Static cooling normally sufficient

O = Oil cooling

F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)

F<sub>2</sub> = Fan cooling 3.0 m/s necessary

SG = Suction gas cooling normally sufficent

= not applicable in this area

#### Motor

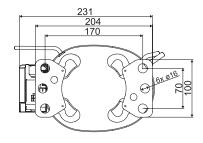
Motor type	RSCR				
LRA (rated after 4 sec. UL984), HST   LST	Α	_	4.2		
Cut in Current, HST   LST	А	_	10.8		
Resistance, main   start winding (25°C)	Ω	15.50	12.5		

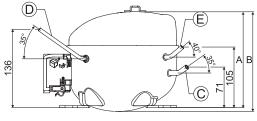
## Design

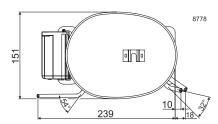
Displacement	cm <sup>3</sup>	11.1
Oil quantity (type)	cm <sup>3</sup>	140 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1620
Weight without electrical equipment	kg	9.6

### Dimensions

Dimensions			
Height	mm	Α	170
		В	176.5
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:			

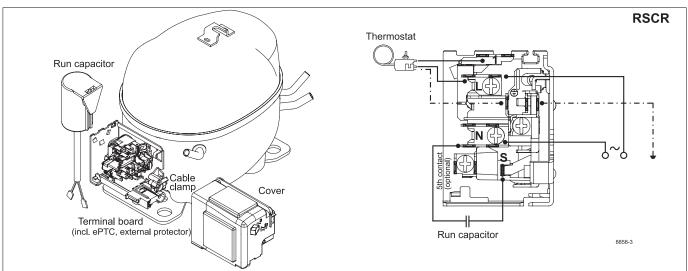


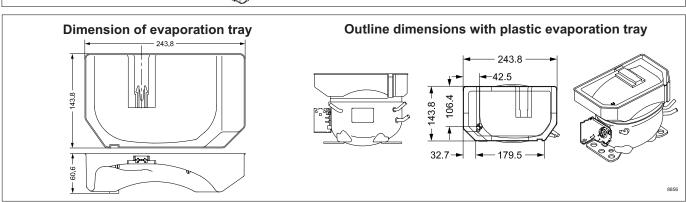




EN 12900 Househo	ld			220V, 50Hz, RC 4μF, ePTC consumption incl., static cooling													
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			83.6	114	151	164	193	240	293	331	352						
Power cons. in W			68.9	82.9	96.7	101	110	124	138	147	151						
Current 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, F	RC 4µF,	ePTC	consum	ption in	ıcl., stat	ic cooli	ng					
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				
Run capacitor (compulsor	ry) 4.8 mm or 6.3 mm spade connectors	4 μF				
Terminal board	ZX FP					
(incl. ePTC and external p	(incl. ePTC and external protector)					
Motor Protector	AE72 FU x	FP				
Cable clamp (screws not	included)	113410_				
Cover		157595_				
Evaporation tray (optional	)	113188_				
All-in-one equipment, e.	Code number					
Cover / cable clamp + scr	ews / earthing screw	16168000				

Test conditions	EN 12900 Household	ASHRAE LBP
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32.2°C
Suction gas temperature	32°C	32.2°C
Liquid temperature	no subcooling	32.2°C

Mounting accessories	Code number
on request, various options ava	ilable

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