

# SUPERIOR PERFORMANCE UNDER ALL CONDITIONS

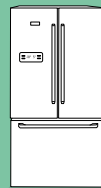
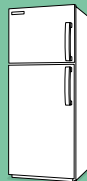
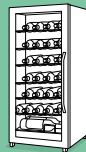
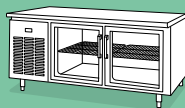
**SECCP**



**K-Series**



Residential  
Applications



K-AT / NG Types Master  
Voltage Fluctuations



Competitive  
Cost Structure



High  
Efficiency



Reduced Noise  
and Vibration



R600a  
Green Refrigerant

- **Superior Efficiency**  
The K-Series supports the upgrade of the appliance energy class (COP up to 1.99 ASHRAE)
- **Less Noise and less Vibrations**  
High reliability
- **Easily Accessible Start Equipment**  
Assembly on the production lines in far less time
- **Competitive Cost Structure**  
Worldwide approved by large OEMs
- **K-AT/NG Types for Tropical Conditions**  
Start under low voltage conditions without reverse rotation and without stalling and master voltage fluctuations

The **K-Series** (formerly KAPPA) is one of Secop's core product families in the residential market, with more than 50 million units produced.

Recognized for outstanding energy efficiency levels, low noise, strong reliability and a competitive cost structure, the K-Series ensures a unique combination of short-term savings, fast-moving production and long term sustainability.

The K-Series for tropical conditions is designed to support regions which experience harsh and challenging environments and where voltage fluctuations as well as high ambient temperatures need to be taken into account. The ability to start under low voltage conditions without reverse rotation and without stalling presents an outstanding solution for those harsh environments.

General	R600a	HXK55AA	HXK70AA	HXK80AA	HXK87AA	HXK95AA	HXK12AA	HZK80AA	HZK95AA	HZK12AA	HZK13AA
Application		LBP	LBP	LBP	LBP	LBP	LBP	LBP	LBP	LBP	LBP
Evaporating temperature	°C	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-35 to -5	-40 to -10
Voltage range / frequency	V/Hz	187-264/50									
Approvals		VDE									

Performance Data ASHRAE LBP (220 V/50 Hz • run capacitor • ePTC • static cooling)											
Evaporating temp.	°C	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3
Cooling capacity	W	97	118	140	154	171	200	140	171	200	235
Power consumption	W	53.0	63.4	73.9	81.0	89.6	106.3	71.0	85.9	101	126
COP	W/W	1.83	1.86	1.90	1.90	1.91	1.90	1.97	1.99	1.98	1.86

Performance data EN12900 Household/CECOMAF LBP (220 V/50 Hz • run capacitor • ePTC • static cooling)											
Evaporating temp.	°C	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Cooling capacity	W	72.0	88.0	105	115	129	150	105	128	151	177
Power consumption	W	50.3	60.3	70.5	77.6	86.0	100.7	67.8	82.1	96.7	121
COP	W/W	1.43	1.46	1.49	1.48	1.50	1.49	1.55	1.57	1.56	1.46

Dimensions												
Height	mm	A	159	167	167	167	167	167	167	170	170	170
Suction connector location	I.D. mm   angle material   seal	C							6.15   35°	Copper   Rubber plug		
Process connector location	O.D. mm   angle material   seal	D							6.00   35°	Copper   Rubber plug		
Discharge connector location	I.D. mm   angle material   seal	E							5.15   40°	Copper   Rubber plug		

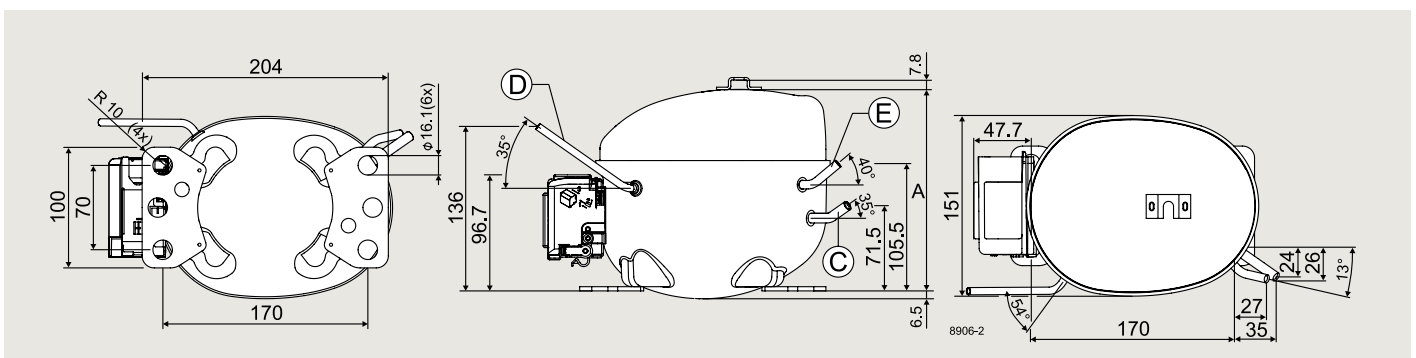
General	R600a	HXK70AT	HXK80AT	HXK87AT	HXK95AT	HXK12AT	HXK13AT	HXK70NG
Application		LBP	LBP	LBP	LBP	LBP	LBP	LBP/MBP
Evaporating temperature	°C	-35 to -10	-35 to -10	-35 to -10	-35 to -10	-35 to -10	-35 to -10	-35 to 0
Voltage range / frequency	V/Hz	170-264/50	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50	170-264/50 195-253/60
Approvals		VDE						

Performance Data ASHRAE LBP (200 V, 50 Hz • PTC • static cooling)								
Evaporating temp.	°C	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3
Cooling capacity	W	119	140	154	174	198	-	-
Power consumption	W	72.3	83.8	92.2	104	119	-	-
COP	W/W	1.64	1.67	1.67	1.67	1.67	-	-

Performance Data ASHRAE LBP (200 V, 50 Hz   220 V, 60 Hz • run capacitor • PTC • static cooling)								
Evaporating temp.	°C	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3
Cooling capacity	W	119   -	140   168	154   184	174   201	200   236	226   -	118   139
Power consumption	W	68.9   -	79.9   94.8	88.0   104	99.2   113	116   135	137   -	71.2   83.3
COP	W/W	1.72   -	1.75   1.77	1.75   1.77	1.75   1.77	1.73   1.75	1.65   -	1.65   1.67

Dimensions												
Height	mm	A							167			
Suction connector location	I.D. mm   angle material   seal	C							6.15   35°	Copper plated steel   Rubber plug		
Process connector location	O.D. mm   angle material   seal	D							6.00   35°	Copper   Rubber plug		
Discharge connector location	I.D. mm   angle material   seal	E							5.15   40°	Copper plated steel   Rubber plug		

Variants with other connectors are available on request, please contact Secop for further information.



Secop GmbH · Lise-Meitner-Str. 29 · 24941 Flensburg, Germany · Tel: +49 461 4941 0 · [www.secop.com](http://www.secop.com)

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved.