

SUPERIOR PERFORMANCE UNDER ALL CONDITIONS

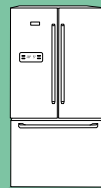
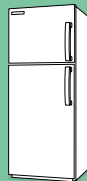
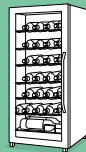
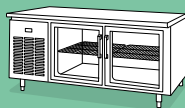
SECCP



K-Series



Residential
Applications



K-AT Types Master
Voltage Fluctuations



Competitive
Cost Structure



High
Efficiency



Reduced Noise
and Vibration



R600a
Green Refrigerant

- **Superior Efficiency (COP up to 1.99 (ASHRAE))**
The K-Series supports the upgrade of the appliance energy class
- **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 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	HXK70AA	HXK80AA	HXK87AA	HXK95AA	HXK12AA	HZK80AA	HZK95AA	HZK12AA
Application		LBP							
Evaporating temperature	°C	-35 to -5							
Voltage range / frequency	V/Hz	187-264/50							
Approvals		EN 60335-2-34 with Annex AA							

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
Cooling capacity	W	118	140	154	171	200	140	171	200
Power consumption	W	63.4	73.9	81.0	89.6	106.3	71.0	85.9	101
COP	W/W	1.86	1.90	1.90	1.91	1.90	1.97	1.99	1.98

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

Dimensions										
Height	mm	A	167	167	167	167	167	167	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							

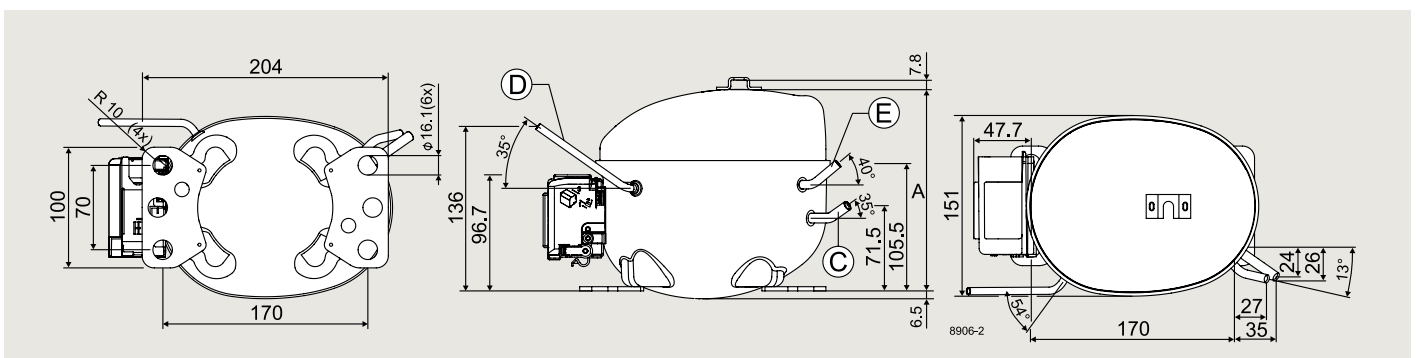
General	R600a	HXK70AT	HXK80AT	HXK87AT	HXK95AT	HXK12AT	HXK13AT	
Application		LBP						
Evaporating temperature	°C	-35 to -10						
Voltage range / frequency	V/Hz	170-264/50	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50 198-253/60	170-264/50	
Approvals		EN 60335-2-34 with Annex AA						

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
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
Cooling capacity	W	119 -	140 168	154 184	174 201	200 236	226 -
Power consumption	W	68.9 -	79.9 94.8	88.0 104	99.2 113	116 135	137 -
COP	W/W	1.72 -	1.75 1.77	1.75 1.77	1.75 1.77	1.73 1.75	1.65 -

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 small baseplates available on request, please contact Secop for further information.



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