

TOP PERFORMANCE UNDER TOUGH CONDITIONS

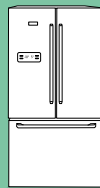
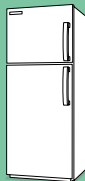
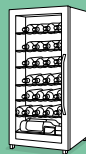
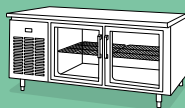
SECCP



K-Series Tropical



Residential
Applications



Masters Voltage
Fluctuations



Competitive
Cost Structure



Top
Efficiency



Reduced Noise
and Vibration



Wide Operating
Voltage Range

- Masters voltage fluctuations
- Wide operating voltage range: 170-264 V
- Starts under low voltage conditions without reverse rotation and without stalling
- Highly efficient cabinets possible
- Less noise, less vibrations and high reliability
- Assembly on the production lines in far less time with easily accessible start equipment
- Worldwide approved by large OEMs because of competitive cost structure
- Interim solution to R600a refrigerant – simple later application update with K-Series R600a compressors

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	GTK55AT	GTK70AT	GTK80AT
Compressor	CD000153	CD000154	CD000155
Approvals	EN 60335-2-34 with Annex AA		

Application	R134a		
Application	LBP	LBP	LBP
Evaporating temperature °C	-35 to -10	-35 to -10	-35 to -10
Voltage range / frequency V/Hz	170-264/50	170-264/50	170-264/50

Performance Data ASHRAE LBP [200 V, 50 Hz • PTC • static cooling]				
Evaporating temperature	°C	-23.3	-23.3	-23.3
Cooling capacity	W	170	205	231
Power consumption	W	115	135	153
COP	W/W	1.48	1.52	1.52
Test conditions	Condensing temperature: 54.4 °C Suction gas temperature: 32.2 °C Ambient temperature: 32.2 °C Liquid temperature: 32.2 °C			

Performance Data ASHRAE LBP [200 V, 50 Hz • run capacitor • PTC • static cooling]				
Evaporating temperature	°C	-23.3	-23.3	-23.3
Cooling capacity	W	170	205	232
Power consumption	W	110	128	145
COP	W/W	1.55	1.60	1.60
Test conditions	Condensing temperature: 54.4 °C Suction gas temperature: 32.2 °C Ambient temperature: 32.2 °C Liquid temperature: 32.2 °C			

Performance Data EN12900 Household [200 V, 50 Hz • run capacitor • PTC • static cooling]				
Evaporating temperature	°C	-25	-25	-25
Cooling capacity	W	128	154	175
Power consumption	W	106	123	140
COP	W/W	1.21	1.25	1.25
Test conditions	Condensing temperature: 55 °C Suction gas temperature: 32 °C Ambient temperature: 32 °C Liquid temperature: 55 °C			

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

