

SUPERIOR PERFORMANCE UNDER TOUGH WORKING CONDITIONS

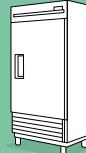
SECOP



KL-Series Tropical



Commercial Applications



Masters Voltage Fluctuations



Broad Application Range (LBP & MBP)



New Hermetic Terminal Plug



Optimal Energy Consumption



R290 Green Refrigerant

→ **Premium Robustness for Tropical Conditions**

The KL-CNT/CNQX types start reliably under low-voltage conditions without reverse rotation or stalling. They handle voltage fluctuations with ease and feature the proven quality of our K-Series, optimized for light commercial applications.

→ **Robust Solution for Food Retail and Food Service Applications**

Dedicated reliable design for bottle coolers, glass door merchandisers, and ice cream freezers (LBP and MBP applications) and suitable for food service applications

→ **Superior Efficiency**

High COP and top efficiency for light commercial applications with low GWP refrigerant propane (R290)

→ **Innovative Solution for Flammable Refrigerants**

Including a patented solution to increase robustness using propane that has been subject to extensive testing at Secop

→ **Easier Application Assembly**

New terminal board design for additional interconnections

→ **Reduced Noise Level**

Improved noise and reduced vibration, a new benchmark level for hydrocarbon refrigerants

Secop's new tropical **KL-CNT/CNQX** compressors were developed to offer a reliable, top performing, and cost-effective solution for the next generation of light commercial cabinets using environmentally friendly refrigerant propane and offering high energy efficiency.

The dual-frequency CNT (50/60 Hz) types and single-frequency CNQX (50 Hz) types are designed for regions with harsh, demanding environments, where voltage fluctuations and high ambient temperatures must be considered.

Secop has developed a robust series for commercial refrigeration, which integrates various technical innovations, such as a noise-reducing shell, robust suspension, a robust internal discharge tube, improved valves, optimized motors, and a new muffler for lower noise levels when using propane. The KL-Series comes with a patented hermetic terminal plug designed to increase robustness for usage with flammable refrigerants.

Tropical KL-Series compressors feature a reliable and robust design tailored for commercial applications.

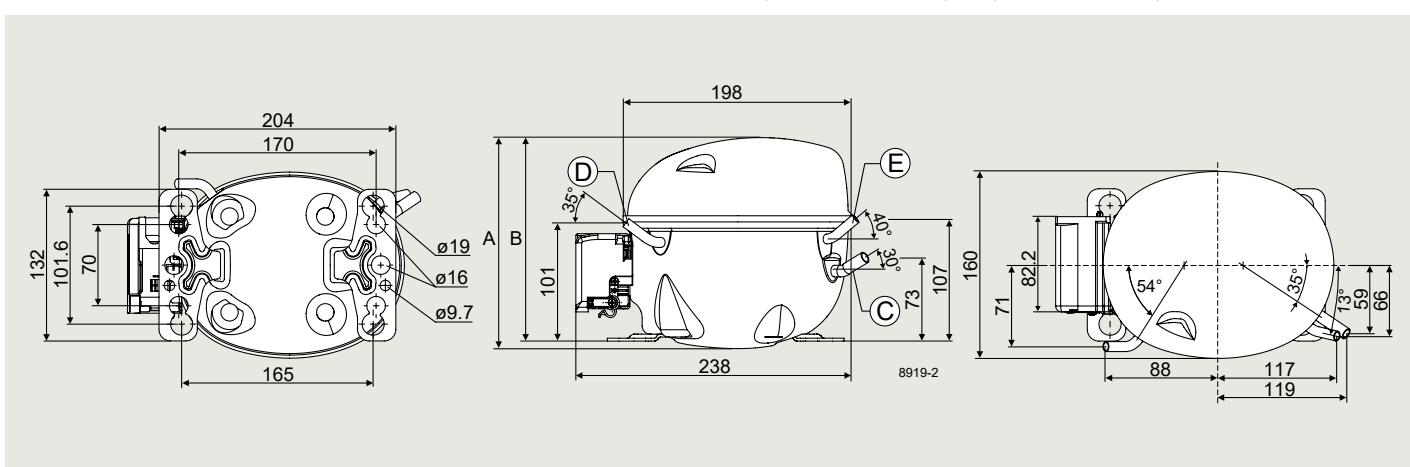
With their wide operating voltage range and capability to start under low-voltage conditions – without reverse rotation or stalling – they provide an exceptional solution for demanding environments.

General	KLF4.0CNT	KLF4.8CNT	KLF5.6CNT	KLF6.6CNT	KLF7.7CNT	KLF7.7CNQX
Compressor	106H2402	106H2502	106H2602	106H2702	106H2808	106H2809
Compressor with pre-assembled start equipment	106H2412	106H2512	106H2612	106H2712	106H2818	-
Approvals	UL, VDE	UL, KC, CCC, CB	UL, KC, CCC, CB	UL, KC, CCC, CB	UL, KC, CCC, CB	VDE
Application		R290				
Application		LBP/MBP	LBP/MBP	LBP/MBP	LBP/MBP	LBP/MBP
Evaporating temperature	°C	-40 to 7.2	-35 to 7.2	-35 to 7.2	-35 to 7.2	-40 to 10
Voltage range / frequency	V/Hz	187-254/50 195-253 / 60	187-254/50 198-253/60	187-254/50 198-253/60	187-254/50 198-253/60	187-254/50
Performance Data ASHRAE LBP (fan cooling)		50 60 Hz				50 Hz
Evaporating temperature	°C	-23.3	-23.3	-23.3	-23.3	-23.3
Cooling capacity	W	189 236	229 285	271 332	334 408	395 484
Power consumption	W	123 145	155 181	176 210	227 262	255 298
COP	W/W	1.54 1.63	1.48 1.57	1.54 1.58	1.47 1.56	1.55 1.62
Test conditions		Condensing temperature: 54.4 °C Suction gas temperature: 32.2 °C CNT: 230 V, 50/60 Hz, CNQX: 220 V, 50 Hz				
Performance Data ASHRAE MBP (fan cooling)		50 60 Hz				50 Hz
Evaporating temperature	°C	-6.7	-6.7	-6.7	-6.7	-6.7
Cooling capacity	W	357 425	420 520	490 604	585 702	705 835
Power consumption	W	168 196	203 249	238 292	303 353	350 404
COP	W/W	2.12 2.18	2.07 2.09	2.06 2.07	1.93 1.99	2.02 2.07
Test conditions		Condensing temperature: 54.4 °C Suction gas temperature: 35 °C CNT: 230 V, 50/60 Hz, CNQX: 220 V, 50 Hz				
Performance Data ASHRAE MBP (fan cooling)		50 60 Hz • run capacitor				50 Hz
Evaporating temperature	°C	-6.7	-6.7	-6.7	-6.7	-6.7
Cooling capacity	W	358 427	421 511	500 616	591 709	708 845
Power consumption	W	161 187	194 231	232 281	294 339	331 384
COP	W/W	2.23 2.28	2.17 2.21	2.16 2.20	2.01 2.09	2.14 2.20
Test conditions (with run capacitor)		Condensing temperature: 54.4 °C Suction gas temperature: 35 °C CNT: 230 V, 50/60 Hz				

Dimensions						
Height	mm	A	182 174*			
		B	175 164*			
Suction connector	I.D. mm angle material seal	C	8.2 30° Copper Rubber plug			
Process connector	I.D. mm angle material seal	D	6.2 35° Copper Rubber plug			
Discharge connector	I.D. mm angle material seal	E	6.2 40° Copper Rubber plug			
Connector tolerance	I.D. mm		±0.09			

*Applicable for the variant KLF4.0CNT (106H2409) with lower top cover

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



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