

R290 · 115–127V | 60 Hz

A NEW PREMIUM PROPANE SOLUTION FOR GREEN AND EFFICIENT CABINETS

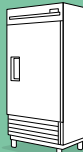
SECCP



KL-Series



Commercial
Applications



New Hermetic
Terminal Plug



Broad Application
Range (LBP & MBP)



Optimal Energy
Consumption



Reduced Noise
and Vibration



R290
Green Refrigerant

→ Premium Robustness

The KL-Series features the tried and trusted 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 **KL-Series** is based on the very successful K-Series, Secop's core product for residential applications, with more than 50 million units installed.

The KL-Series was 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.

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.

The KL-Series offers a reliable and robust design for commercial applications, specifically designed for R290 hydrocarbon refrigerant. This is the latest improvement on Secop's products for flammable refrigerants and will set a benchmark in the entire industry.

General	KLF4.0CNH	KLF4.8CNH	KLF5.6CNH	KLF6.6CNH	KLF7.7CNH	KLF8.6CNH
Compressor	106H3401	106H3500	106H3601	106H3700	106H3802	on request
Compressor with pre-assembled start equipment	106H3411	106H3510	106H3611	106H3710	106H3812	106H3910
Approvals	UL, CCC	UL, CCC	UL, CCC	UL, CCC	UL	UL

Application	R290					
Application	LBP/MBP	LBP/MBP	LBP/MBP	LBP/MBP	LBP/MBP	LBP/MBP
Evaporating temperature °F	-40 to 45	-40 to 45	-40 to 45	-40 to 45	-40 to 45	-40 to 45
Voltage range / frequency V/Hz	95-140/60	95-140/60	95-140/60	95-140/60	95-140/60	103-135/60

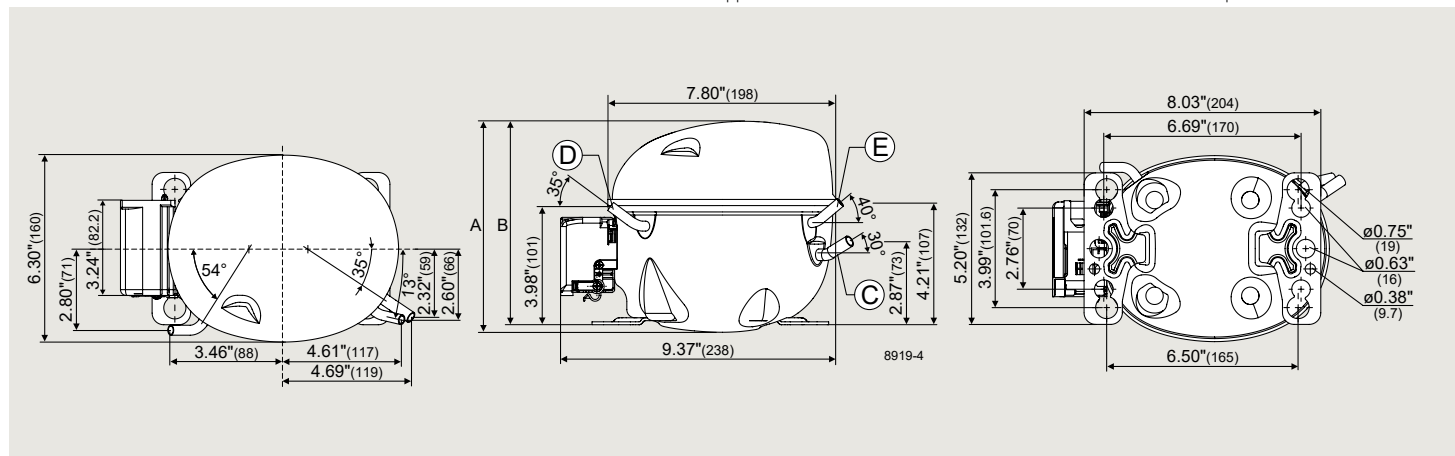
Performance Data ASHRAE LBP (115 V, 60 Hz • fan cooling)						
Evaporating temperature °F	-10	-10	-10	-10	-10	-10
Cooling capacity BTU/h	779	950	1157	1355	1622	1927
Power consumption W	153	179	211	246	294	346
EER BTU/Wh	5.08	5.31	5.49	5.51	5.53	5.57
Test conditions	Condensing temperature: 130 °F Suction gas temperature: 90 °F Ambient temperature: 90 °F Liquid temperature: 90 °F					

Performance Data ASHRAE MBP (115 V, 60 Hz • fan cooling)						
Evaporating temperature °F	20	20	20	20	20	20
Cooling capacity BTU/h	1429	1735	2080	2451	2876	3333
Power consumption W	200	245	289	346	410	479
EER BTU/Wh	7.14	7.07	7.20	7.09	7.02	6.96
Test conditions	Condensing temperature: 130 °F Suction gas temperature: 95 °F Ambient temperature: 90 °F Liquid temperature: 115 °F					

Performance Data ARI 540 MBP (115 V, 60 Hz • fan cooling)						
Evaporating temperature °F	20	20	20	20	20	20
Cooling capacity BTU/h	1278	1547	1843	2185	2565	3322
Power consumption W	189	236	274	333	389	478
EER BTU/Wh	6.76	6.57	6.73	6.56	6.59	6.95
Test conditions	Condensing temperature: 120 °F Suction gas temperature: 40 °F Ambient temperature: 95 °F Liquid temperature: 120 °F					

Dimensions						
Height	mm	A	7.17 6.85*			
		B	6.89 6.57*			
Suction connector	location/I.D. inch angle material seal	C	0.32-0.33 30° Copper Rubber plug			
Process connector	location/I.D. inch angle material seal	D	0.25-0.26 35° Copper Rubber plug			
Discharge connector	location/I.D. inch angle material seal	E	0.25-0.26 40° Copper Rubber plug			

*Applicable for the variant KLF4.0CNH (106H3408) with lower top cover



Secop GmbH · Lise-Meitner-Str. 29 · 24941 Flensburg, Germany · Tel: +49 461 4941 0 · www.secop.com

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