

PREMIUM ROBUSTNESS SOLUTION FOR HIGH EFFICIENT CABINETS

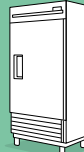
SECCP



KLE-GFMX/GFHX/CFHX



Commercial
Applications



Hot Gas
Defrost



Broad Application
Range (LBP/MBP)



High Overload
Robustness



Reduced Noise
and Vibration



Excellent
Efficiency

→ **Premium Robustness**

KLE compressors feature the tried and trusted quality of our K-Series compressors optimized for light commercial applications

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

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

→ **Excellent Efficiency**

High COP and top efficiency for light commercial applications

→ **Optimized Refrigerant Intake**

The new muffler feature minimizes the risk of compressor or system damage due to extreme liquid return conditions

→ **Easier Application Assembly**

New terminal board design for additional interconnections

→ **Reduced Noise Level**

Improved noise and reduced vibration

Secop's new **KLE-GFMX/GFHX/CFHX** compressors are 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 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.

KLE-GFMX/GFHX/CFHX compressors have an optimized muffler system specially developed for applications with rapid load changes and extreme liquid return conditions. It increases the robustness and reliability of the cooling system against this type of overload.

These compressors are designed to operate also with hot gas defrosting.

General	KLE4.0GFMX	KLE4.8GFHX	KLE5.6GFHX	KLE6.6GFHX	KLE7.7CFHX	KLE8.6GFHX
Compressor	106G6403	106G6503	106G6603	106G6703	106G6803	106G6903
Compressor with pre-assembled start equipment	106G6413	106G6513	106G6613	106G6713	06G6813	106G6913
Approvals	UL, CB, CCC	UL	UL	UL	UL	UL

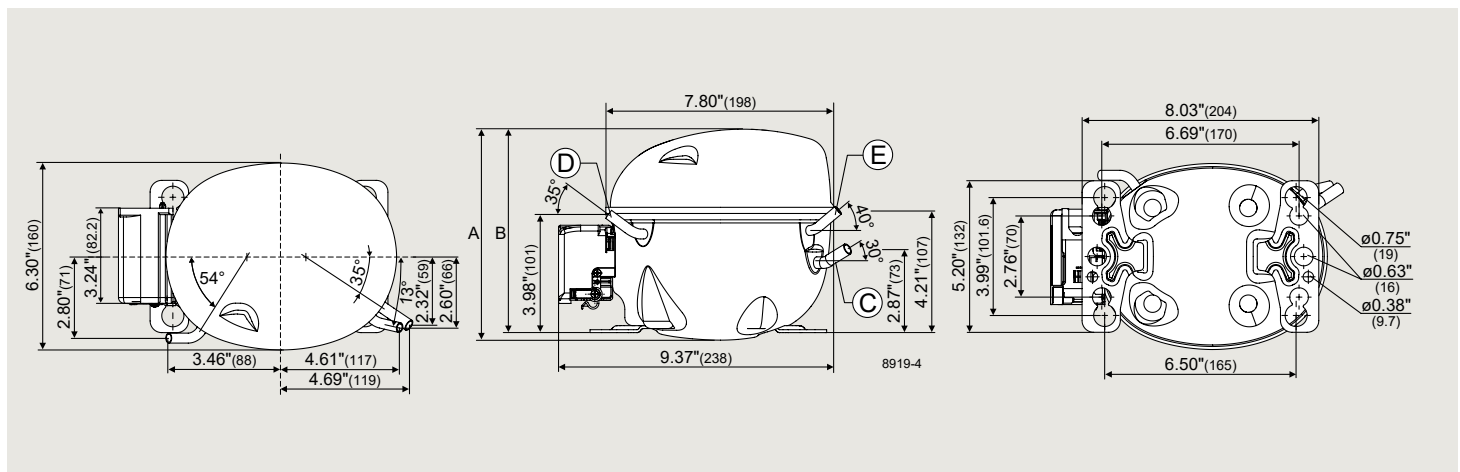
Application	R134a					
Application	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP	LBP/MBP/HBP
Evaporating temperature °F	-25 to 59	-25 to 59	-25 to 59	-25 to 59	-25 to 50	-25 to 59
Voltage range / frequency V/Hz	90-140/50, 60	95-140/60	95-140/60	95-140/60	95-140/60	95-140/60

Performance Data ASHRAE LBP (115 V, 60 Hz • fan cooling)						
Evaporating temperature °F	-10	-10	-10	-10	-10	-10
Cooling capacity BTU/h	400	553	662	801	909	1046
Power consumption W	100	125	149	175	200	226
EER BTU/Wh	4.01	4.43	4.43	4.57	4.55	4.63
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	883	1162	1370	1648	1855	2099
Power consumption W	143	182	216	258	300	346
EER BTU/Wh	6.16	6.41	6.34	6.38	6.20	6.06
Test conditions	Condensing temperature: 130 °F Suction gas temperature: 95 °F Ambient temperature: 90 °F Liquid temperature: 115 °F					

Performance Data ASHRAE HBP (115 V, 60 Hz • fan cooling)						
Evaporating temperature °F	45	45	45	45	45	45
Cooling capacity BTU/h	1644	2113	2438	2916	–	3621
Power consumption W	184	229	274	332	–	443
EER BTU/Wh	8.94	9.25	8.91	8.79	–	8.18
Test conditions	Condensing temperature: 130 °F Suction gas temperature: 95 °F Ambient temperature: 90 °F Liquid temperature: 115 °F					

Dimensions						
Height	inch	A	7.17			
		B	6.89			
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			



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