

# PREMIUM ROBUSTNESS SOLUTION FOR HIGH EFFICIENT CABINETS

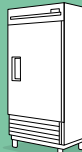
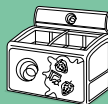
SECCP



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
Compressor	106G6403	106G6503	106G6603	106G6703	106G6803
Approvals (pending)	UL 60335-2-34, CCC, UL 60079-1, UL 60079-15				

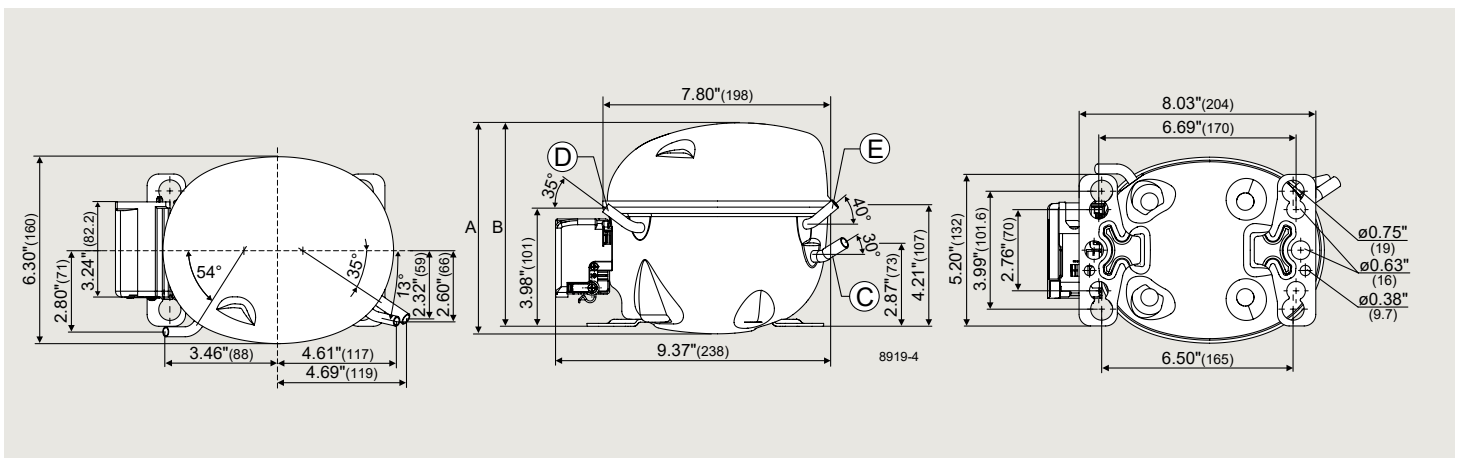
Application	R134a				
Application	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP/HBP	LBP/MBP
Evaporating temperature	°F	-25 to 59	-25 to 59	-25 to 59	-25 to 59
Voltage range / frequency	V/Hz	90-140/50, 60	95-140/60	95-140/60	95-140/60

Performance Data ASHRAE LBP (115 V, 60 Hz • fan cooling)					
Evaporating temperature	°F	-10	-10	-10	-10
Cooling capacity	BTU/h	401	554	663	802
Power consumption	W	100	125	149	175
EER	BTU/Wh	4.01	4.43	4.45	4.58
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
Cooling capacity	BTU/h	882	1160	1368	1646
Power consumption	W	143	181	215	258
EER	BTU/Wh	6.17	6.41	6.36	6.38
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
Cooling capacity	BTU/h	811	1048	1231	1475
Power consumption	W	138	172	208	248
EER	BTU/Wh	5.88	6.09	5.92	5.95
Test conditions	Condensing temperature: 120°F   Suction gas temperature: 40°F   Ambient temperature: 95°F   Liquid temperature: 120°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
		D	0.25-0.26   35° Copper   Rubber plug
Process connector	location/I.D. inch   angle material   seal	D	0.25-0.26   35° Copper   Rubber plug
		E	0.25-0.26   40° 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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