

Excellent GS66AZ Compressor Technical Specifications, BIG 1/6 HP, 6.6 cm³

Category: Refrigeration

written by www.mbsmpro.com | January 19, 2026



The GS66AZ compressor from Excellent is a workhorse in the domestic and light commercial refrigeration sector, engineered for reliable performance in low-temperature applications such as standard freezers and smaller display units. This hermetic reciprocating unit operates using the widely available R134a refrigerant, making it a highly serviceable component globally.

LG MA62LCEG compressor specifications R134a 1/5 hp LBP

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The LG MA62LCEG is a reliable hermetic reciprocating compressor designed for low back pressure (LBP) applications using R134a refrigerant. Rated at approximately 1/5 HP, it delivers 174W (596 BTU/h) cooling capacity with 127W input power and a solid COP of 1.38.

SECOP SC21G COMPRESSOR

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written by www.mbsmpro.com | January 19, 2026



Secop SC21G is a high-performance hermetic reciprocating compressor designed for commercial refrigeration and freezing applications using R134a refrigerant. This guide covers detailed specifications, technical parameters, and installation requirements for 220-240V/50Hz systems at up to 1.3 amperes.

Danfoss hermetic compressors capillary sizing chart

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DANFOSS COMPRESSOR				
Capillary Length	Capillary No.	Oil Charge (ml)	Refrigerant	Compressor No.
4 Feet	0.26	150 ml	1/12	TL2A
4 Feet	0.26	150 ml	1/12	TL2.5A
4 Feet	0.26	150 ml	1/12	TL2.5B
4 Feet	0.26	150 ml	1/12	PW20B
6 Feet	0.26	175 ml	1/10	PW20B7
6 Feet	0.26	175 ml	1/10	TL2B
7.5 Feet	0.26	200 ml	1/8	TL2A
7.5 Feet	0.26	200 ml	1/8	PW20B9
7.5 Feet	0.26	200 ml	1/8	PW20B10
7.5 Feet	0.26	200 ml	1/8	PW20B11
7.5 Feet	0.26	200 ml	1/8	TR2A2
8 Feet	0.31	200 ml	1/8	TL2A
8 Feet	0.31	200 ml	1/8	PW20B11
8 Feet	0.31	200 ml	1/8	PW20B12
8 Feet	0.31	200 ml	1/8	TR2A2
10 Feet	0.31	275 ml	1/6	F1000
10 Feet	0.31	275 ml	1/6	F1015A
10 Feet	0.31	300 ml	1/5	F1015B
10 Feet	0.31	300 ml	1/5	F1020

Technicians match Danfoss compressors to systems using precise capillary tube lengths from 4 to 10 feet, paired with specific oil charges like 150 ml for 1/12 HP models. Capillary numbers 0.26 to 0.31 ensure optimal refrigerant flow in LBP setups.

Embraco EGAS70HLC Compressor

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The Embraco EGAS70HLC stands out as a reliable hermetic piston compressor designed for low back pressure (LBP) applications using R134a refrigerant. Rated at 220-240V 50Hz single phase, it delivers around 61W cooling capacity with 1.5A LRA and RSIR starting. Built in Brazil by J.G Therm, model C 796173 ensures durable performance in freezing units from -30°C to -10°C.

Gas Charging or Vacuuming

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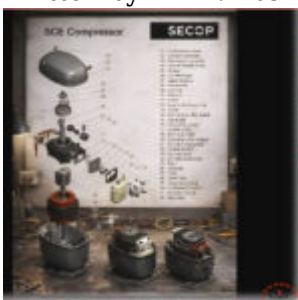


The copper tube assembly shown is a service charging valve on the liquid line of a small hermetic refrigeration unit. This single access point can be used for deep vacuum and for refrigerant charging, depending on the connected equipment. Understanding when the technician is vacuuming and when charging is critical for reliability.

SCE SCOOP

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written by www.mbsmpro.com | January 19, 2026



Understanding the inner workings of a Secop SCE hermetic compressor is essential for any refrigeration technician or engineer. This comprehensive guide breaks down the complex internal components—from the crankshaft to the valve plate—providing a detailed exploded view. Whether you are troubleshooting or studying mechanical design, our professional analysis offers the clarity needed for modern cooling systems.