Secop TLES6FT.3 R134a 1/5 HP LBP Compressor Specifications and Replacement Guide

Category: Refrigeration
written by www.mbsm.pro | 1 February 2026



The Secop TLES6FT.3 is a cornerstone of modern domestic refrigeration. This 1/5 HP, R134a compressor is engineered in Slovakia for Low Back Pressure applications, offering a cooling capacity of 149W. Known for its quiet operation and energy efficiency, it is the ideal choice for medium-sized refrigerators and deep freezers looking for long-term reliability.

Samsung RT47CB663222 Compressor Specifications R600a 1/5 HP Cooling Capacity Inverter Refrigerator Spare Parts

Category: Refrigeration
written by www.mbsm.pro | 1 February 2026



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This technical guide explores the Samsung RT47CB663222 refrigerator, a high-efficiency 460-liter unit utilizing R-600a refrigerant. Operating on a 220-240V 50Hz supply, this inverter-driven system is designed for Low Back Pressure applications. We break down the motor characteristics, displacement, and provide a comprehensive list of equivalent replacement compressors for modern field service and professional repairs.

Comptek QD65H Compressor 1/6 HP R134a L/MBP Technical Specifications and Replacement Guide

Category: Refrigeration
written by www.mbsm.pro | 1 February 2026



The Comptek QD65H is a high-performance 1/6 HP reciprocating compressor designed for R134a systems. Ideal for refrigerators between 180 and 250 liters, it offers a cooling capacity of 160W at -23.3°C. This professional guide covers its electrical characteristics, COP efficiency metrics, and provides a comprehensive list of equivalent models for seamless field replacement.

LG MA57LBJG Compressor 1/6 HP R134a LBP Technical Specifications and Replacements

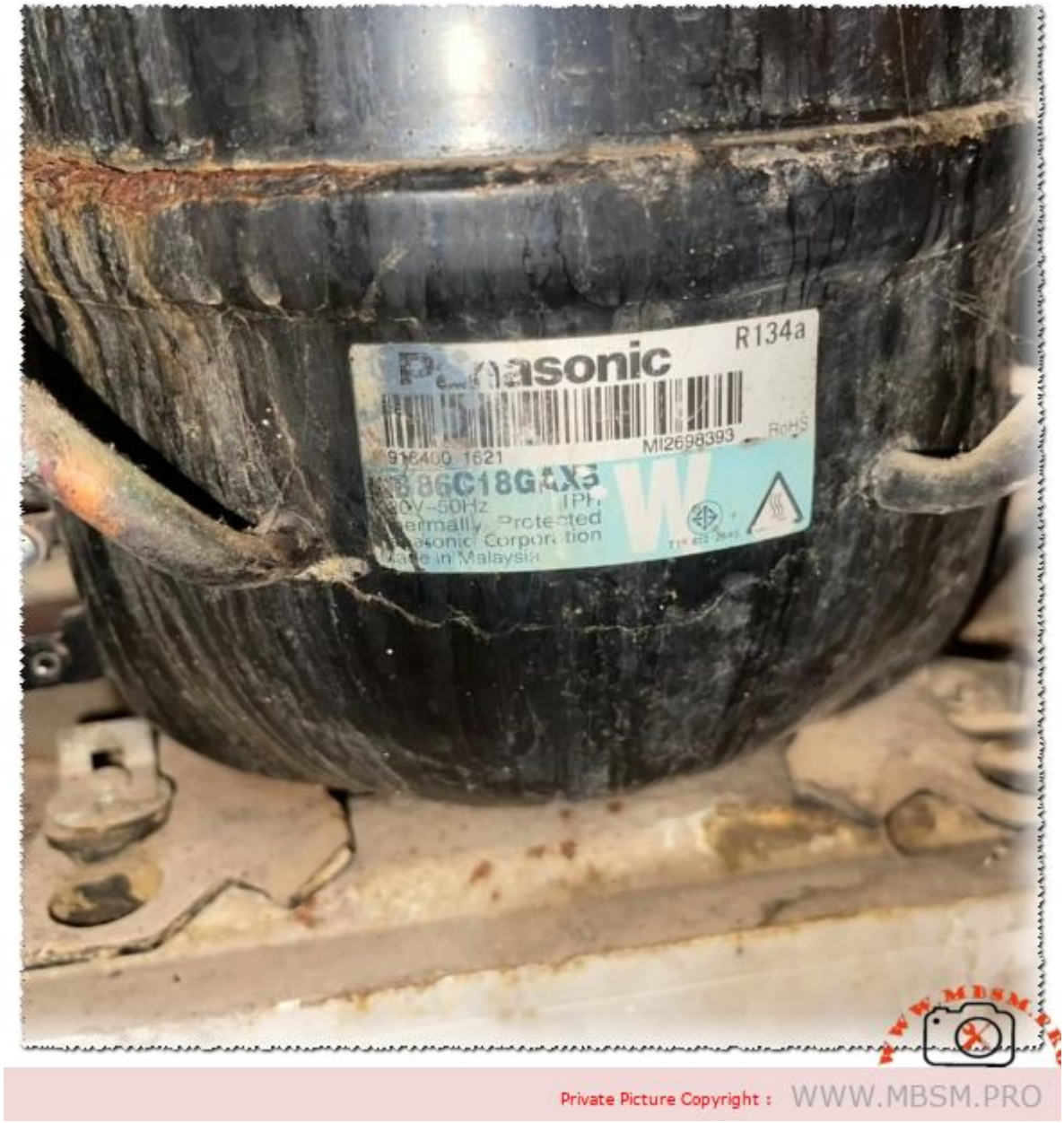
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The LG MA57LBJG is a high-performance 1/6 HP compressor designed for R134a refrigerant in Low Back Pressure (LBP) applications. Ideal for domestic freezers, it delivers 160W of cooling capacity at -23.3°C. This guide provides comprehensive technical data, winding details, and a full cross-reference list for professional refrigeration technicians and engineers.

Panasonic QB86C18GAX5: The Reliable Powerhouse of Tropical Refrigeration

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written by www.mbsm.pro | 1 February 2026



The Panasonic QB86C18GAX5 is a 1/4 HP reciprocating compressor engineered for high-efficiency Low Back Pressure (LBP) applications. Using R134a refrigerant and a displacement of 8.6cc, it delivers a cooling capacity of 201W. This guide provides technicians with essential technical data, including amperage, displacement, and a comprehensive cross-reference list for modern repairs.

Role of Current Relays in Compressor

Ignition

Category: Refrigeration
written by www.mbsm.pro | 1 February 2026

CHARACTERISTIC TABLES OF VARIOUS START AND PROTECTION STEMS

CURRENT RELAYS



Model	Compressor horse (HP)	Terminal	Apply current()	Applied current (A)
117U 2010	1/3	5	4.5	4.5
117U 2100	1/4	6	3	3.6
117U 2104	1/5	4	6.6	6.5
117U 2050	1/2	1	14	1.4

THERMAL OVERLOAD PROTECTORS



Compressor power (HP)	1/2	1/3	1/4	1/5	1/6	1/2
Max Connect current (A)	12.5	9	9.8	7.5	7	5
Max Connect current (A)	19	16	14	3.5	3.5	3.5
Max release (A)	5	4.75	4	3.5	3	3.3



Compressor power (HP)	Compressor power (HP)	Max connect current (A)	Minimum delease
	8583	6.83	1.93
1/2	BEA15	2.8	2.8
1/3	BEA10	3.8	3.6
1/4	BGA11	1.25	3.25
1/5	BGA11	1.75	3.55

THERMAL OVERLOAD PROTECTORS

Compressor power (HP)	1/2	1/3	1/4	1/5	1/6	1/2
Power Model 151	12.5	9	8	7.5	7.5	7
Max connect current (A)	6	4.05	3.65	4	3.5	3.5
Release current (A)	5	4.75	4	3.5	3	3





THERMAL OVERLOAD PROTECTOR CAPS

Compressor power (HP)	Overload current (A)	Movement temperature	Applied currentt 1133+10.%)	Reply return nurment temperatures
5	35	125±10℃	JET+TEW	60±10℃
1/2	30		JET+TEW	
1/4	25		JET+TEW	

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Selecting the right electrical components is the heartbeat of refrigeration maintenance. When a compressor fails to start or constantly trips, the culprit is often a mismatched Current Relay or a fatigued Thermal Overload Protector. Ensuring these parts align perfectly with the compressor's horsepower (HP) and amperage rating is vital for long-term system reliability.

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Embraco NEU2178GK, compressor

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The Embraco NEU2178GK is the definitive choice for 1 HP commercial freezing applications. Featuring a robust CSR motor and 16.8cc displacement, this R404A compressor delivers high starting torque for demanding environments. This guide details the electrical requirements, installation tips, and how it compares to Secop and Tecumseh alternatives.

The ECQ VP115 Vacuum Pump

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written by www.mbsm.pro | 1 February 2026



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The ECQ Vacuum Pump VP115 is the ideal tool for the artisan bricoleur. With 2 CFM displacement and a durable 1/4 HP motor, it perfectly balances portability and power for residential AC and fridge repairs. This guide covers specifications, maintenance, and why 100% copper winding matters for your daily work.

SCE SCOOP

Category: Refrigeration
written by www.mbsm.pro | 1 February 2026



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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.