

SECOP SC21G COMPRESSOR

Category: Refrigeration

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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.

Samsung MSE4A1Q-L1G AK1, hermetic reciprocating refrigerator compressor

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The Samsung MSE4A1Q-L1G AK1 is a hermetic reciprocating refrigerator compressor designed for domestic LBP applications with R600a refrigerant and a nominal cooling capacity around 175-180 W at ASHRAE conditions, equivalent to roughly 1/4 hp. Engineers value this model for its efficient RSCR motor and robust design.

Carrier Inverter AC Error Codes, Indoor and

Outdoor Protection

Category: Air Conditioner

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Code	Description
E0	Indoor unit communication error
F1	0-11 Times: Overcurrent protection, overheat, or short circuit protection, sensor 1
F2	0-10 Times: Overcurrent protection, overheat, or short circuit protection, sensor 2
F3	0-8 Times: Overcurrent protection, overheat, or short circuit protection, sensor 3
F4	0-7 Times: Overcurrent protection, overheat, or short circuit protection, sensor 4
F5	0-6 Times: Overcurrent protection, overheat, or short circuit protection, sensor 5
F6	0-5 Times: Overcurrent protection, overheat, or short circuit protection, sensor 6
F7	0-4 Times: Overcurrent protection, overheat, or short circuit protection, sensor 7
F8	0-3 Times: Overcurrent protection, overheat, or short circuit protection, sensor 8
F9	0-2 Times: Overcurrent protection, overheat, or short circuit protection, sensor 9
F10	0-1 Times: Overcurrent protection, overheat, or short circuit protection, sensor 10
P0	0-12 Times: Compressor current protection
P1	0-10 Times: Compressor starting abnormal
P2	0-8 Times: Compressor current abnormal
P3	0-7 Times: Compressor current abnormal
P4	0-6 Times: Compressor current abnormal
P5	0-5 Times: Compressor current abnormal
P6	0-4 Times: Compressor current abnormal
P7	0-3 Times: Compressor current abnormal
P8	0-2 Times: Compressor current abnormal
P9	0-1 Times: Compressor current abnormal
L1	0-11 Times: Drive low voltage protection
L2	0-12 Times: Drive low voltage over line protection
F11	0-10 Times: Drive high/line low AC voltage protection
P12	0-14 Times: Compressor phase current protection
P13	0-10 Times: Voltage Over/High/Line low DC voltage protection
P14	0-17 Times: P/M temperature over heat protection
P15	0-18 Times: Compressor discharge temperature protection

Carrier inverter air conditioners use detailed error codes to protect the compressor, sensors, and inverter electronics. Codes such as E0, F0, P0, and P6 reveal EEPROM faults, outdoor AC current problems, IPM module errors, and DC bus voltage issues, giving HVAC technicians a clear roadmap for safe, accurate troubleshooting and long-term system reliability.

Coil Rewinding, Universal Motor, 550 W

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Coil rewinding for a 550-watt universal mixer-grinder motor with a 48 mm core is more than just replacing burnt copper. The technician must reproduce the original 210+80 turn field coils with SWG 25 wire, respect the high-medium-low speed connections, and follow best rewinding practices to keep torque, speed, and temperature under control.

LG Inverter AC Error Codes: Indoor and Outdoor Unit Professional Guide

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Indicator	Description
Indicator of alarm temperature between wheel	Indicator of alarm temperature between wheel
Indicator of alarm temperature front wheel	Indicator of alarm temperature front wheel
Wheel sensors control error	Wheel sensors control error
Front sensor error	Front sensor error
Capacitive sensor, rear, between wheel and surface sensor	Capacitive sensor, rear, between wheel and surface sensor
Capacitive sensor, right, between wheel and surface sensor	Capacitive sensor, right, between wheel and surface sensor
Indicator of ECU/ECU error	Indicator of ECU/ECU error
Indicator of ECU/ECU low power mode	Indicator of ECU/ECU low power mode
Indication Unit	
Warning codes	
DC Power off/DC fault	DC Power off/DC fault
C2 (idle C1)	C2 (idle C1)
DC in low power mode	DC in low power mode
PSC Motor fault	PSC Motor fault
Excessive temperature 10 page count	Excessive temperature 10 page count
High pressure sensor high	High pressure sensor high
High pressure sensor low	High pressure sensor low
Refrigerant leak detection	Refrigerant leak detection
Exceed the compression ratio limit	Exceed the compression ratio limit
Excessive pressure	Excessive pressure
Discharge pipe too narrow	Discharge pipe too narrow
Low pressure sensor error	Low pressure sensor error
High pressure sensor error	High pressure sensor error
Defrost pipe type error	Defrost pipe type error
Carry mode type error	Carry mode type error
Excessive pressure	Excessive pressure
Excess pressure - Maximum between Gc and side unit	Excess pressure - Maximum between Gc and side unit

LG inverter air conditioner error codes give technicians a precise window into what is happening inside both indoor and outdoor units. From simple room temperature sensor faults to complex IPM and DC peak alarms, decoding these numbers correctly is critical for fast, safe, and accurate HVAC troubleshooting on modern LG split systems.

HVAC Basics: Compressors, Ducts, Filters, and Real-World Applications

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HVAC basics start with understanding how compressors, ducts, and filters work together to move heat and clean air in any building. From reciprocating and scroll compressors to rectangular and circular ducts, each choice affects comfort, energy efficiency, and reliability in residential, commercial, industrial, and data center applications.

Brass Male Flare Union Fittings for Refrigeration and HVAC Systems

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Brass male flare union fittings are essential components in refrigeration and HVAC systems, providing reliable mechanical connections between flared copper tubes without the need for brazing. These brass flare unions support a wide operating temperature range and are widely used for service connections, line extensions, and removable joints in air-conditioning and refrigeration installations.

Electrical unit conversion reference table: HP to watts, KVA to amps, tons refrigeration to kW

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Electrical unit conversions are essential knowledge for HVAC technicians and refrigeration engineers. This comprehensive reference guide provides quick access to conversion formulas, technical specifications, and practical examples for comparing power ratings, calculating system requirements, and optimizing equipment selection across different measurement standards.

Mitsubishi Ashiki MUY-JX22VF electrical technical data interpretation

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Master the skill of reading AC nameplate specifications with this comprehensive technical guide. Learn to decode model numbers, interpret voltage and amperage ratings, identify refrigerant types, calculate cooling capacity, determine tonnage, and understand all electrical information displayed on your air conditioning unit nameplate.

ORIENT Inverter AC Error Codes

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Discover comprehensive troubleshooting for ORIENT inverter AC systems. This complete error code guide covers E-series, F-series, P-series, and L-series fault codes with detailed solutions for sensor issues, communication failures, compressor problems, and electrical protection systems affecting your cooling performance.