

Huayi HYB60MGU Compressor 1/7 HP R600a LBP

Category: Refrigeration

written by www.mbsm.pro | 18 January 2026



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The Huayi HYB60MGU is a high-efficiency hermetic reciprocating compressor specifically engineered for Low Back Pressure (LBP) applications. Operating on the eco-friendly R600a refrigerant, this 1/7 HP unit is a primary component in modern household refrigerators. This guide provides an in-depth technical analysis, electrical wiring configurations, and reliable replacement alternatives for field engineers.

GMCC PE75H1C Compressor 1/4 HP R134a LBP

Category: Refrigeration

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The GMCC PE75H1C is a robust hermetic reciprocating compressor engineered for low back pressure applications using R134a refrigerant. Operating at 220-240V 50Hz, this 1/4 HP motor provides a cooling capacity of approximately 185W. This article provides technical datasheets, electrical wiring schemas, and professional cross-reference guides for global refrigeration maintenance and engineering.

TEE NTU 170 MT Compressor 1/4 HP R600a

Category: Refrigeration

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The TEE NTU 170 MT is a high-efficiency hermetic reciprocating compressor designed for low back pressure applications using R600a refrigerant. Known for its reliability in household refrigeration, this unit operates at 220-240V 50Hz. This article explores its technical specs, cooling capacity, and suitable replacements for HVAC technicians and engineers worldwide.

STC-9200 Temperature Controller

Category: Refrigeration

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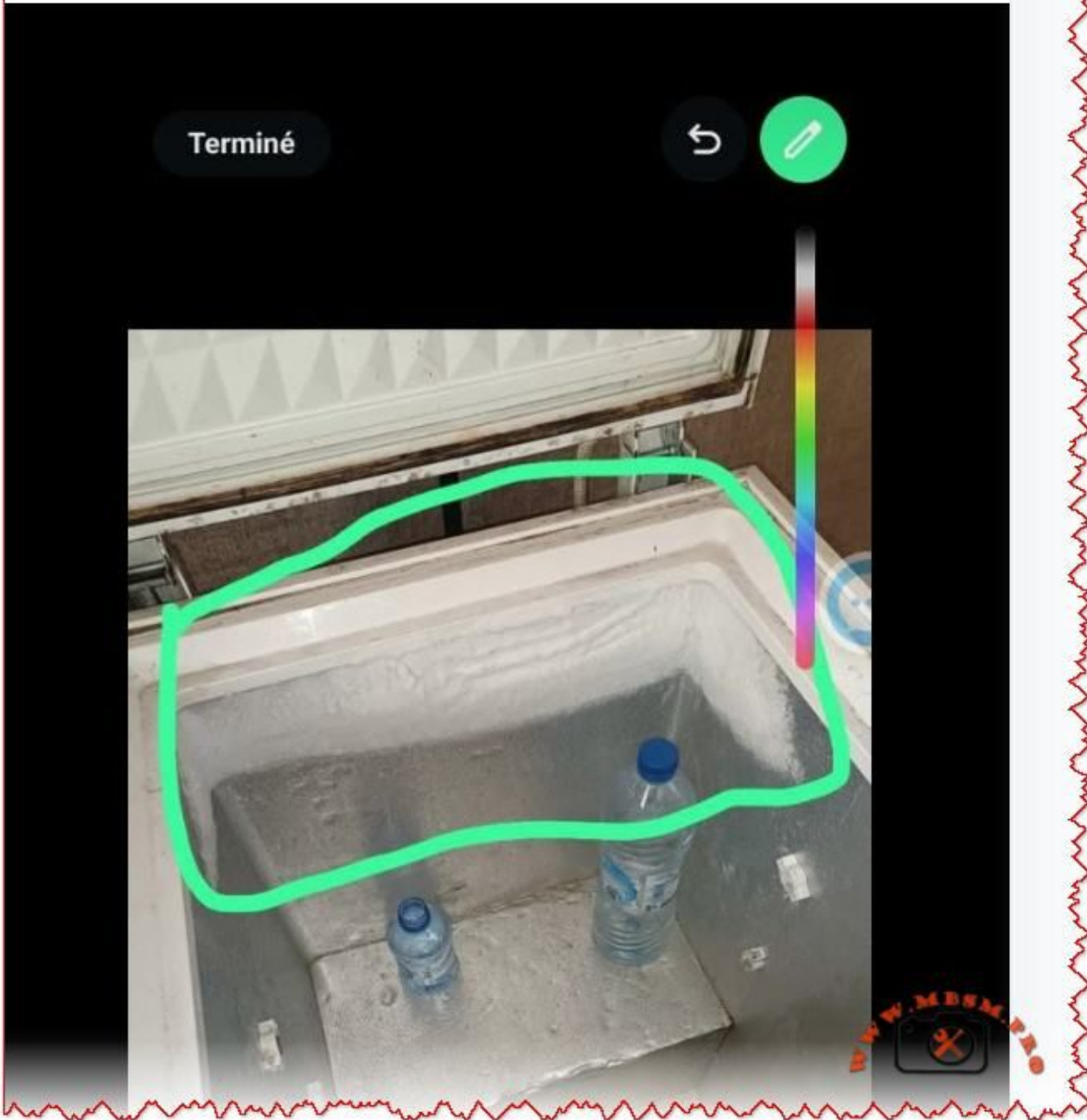
"The STC-9200 digital temperature controller is a professional-grade thermostat designed for industrial refrigeration and freezing applications. This advanced multi-stage controller features precise temperature regulation from -50°C to +50°C, integrated defrost management, and robust relay capacity for compressor control, making it ideal for commercial cooling systems and display cases."

The 5 Pillars of Refrigeration Diagnosis: Professional HVAC

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Where is the problem?



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Professional HVAC technicians rely on five critical diagnostic pillars: suction pressure, discharge pressure, superheat, subcooling, and saturation temperature relationships. Mastering these five measurements eliminates guesswork, accurately identifies refrigeration problems, and ensures proper system troubleshooting without expensive callbacks or equipment damage.

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.

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

Category: Global Electric

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1 HP	746 WATT
1 AMPS	240 WATT, {V=240}
1 HW	1000 WATT
1 KW	0.746 KW
1 KVA	1.74 AMPS, {P.F=0.8}
1 AMPS	0.8 KW
1 KW	0.24 KW, [V=240]
1 KW	1.25 KVA
1 UNITS	1.341 HP
1 UNITS	0.7188 KVA [V=415]
1 GΩ	1 KWH
1 kΩ	1000 WATTS
1 KW	1000 WH
1 WATT	0.001 KVA
1 kΩ	1000 Ω
1 kΩ	1000 kΩ
1 M	100,000 Ω
1 Ω	1.001 KW
1 KVA	1.391 AMPS
1 TON	3.517 KW
1 KVA	1000 VA
1 M	1.74 AMPS
1 kΩ	1000 Ω
1 kΩ	1000 kΩ
1 Ω	0.000001 MΩ
1 KVA	1.391 AMPS
1 TON	3.517 KW
1 KVA	1000 VA



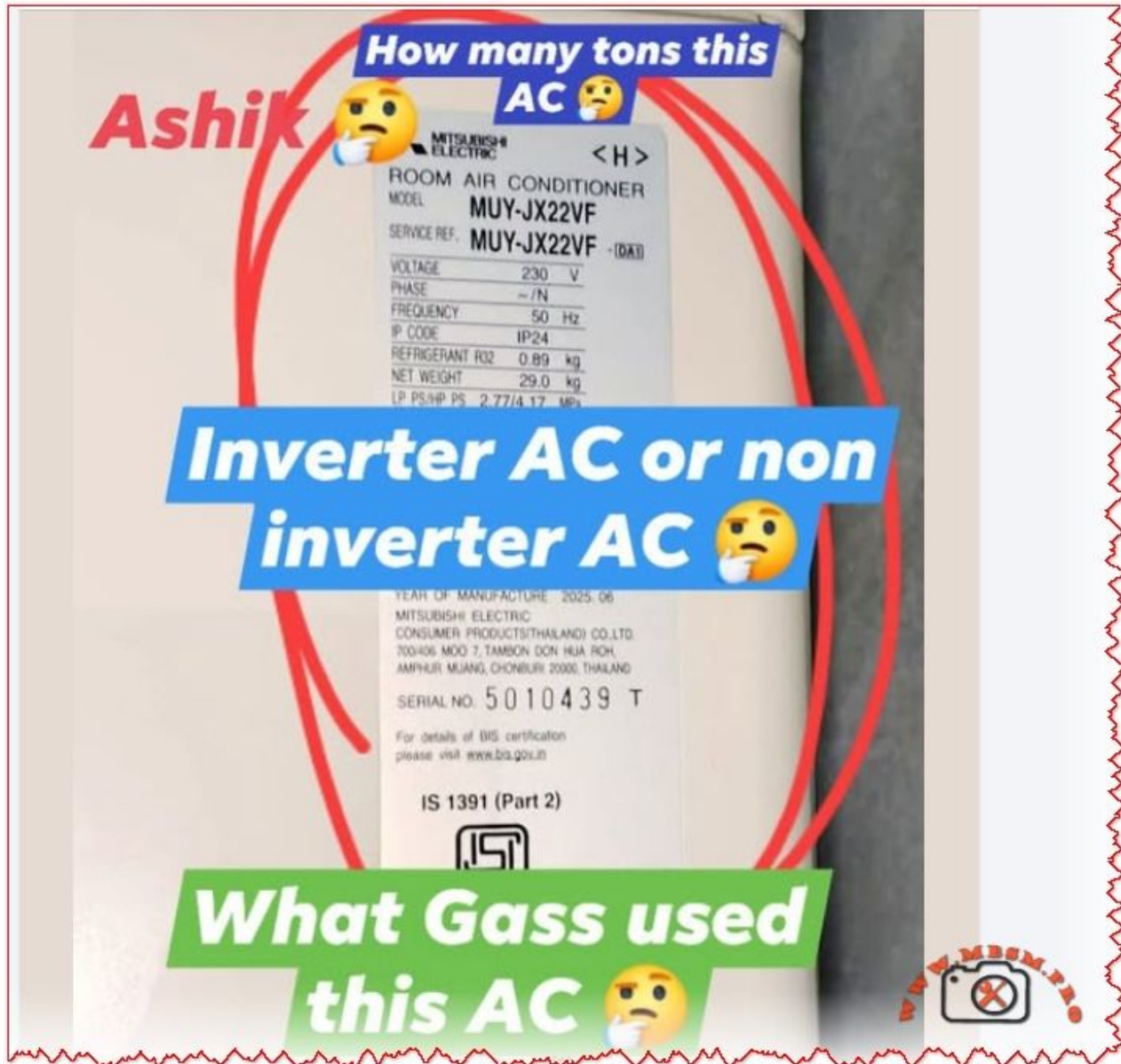
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Electrical unit conversions are essential knowledge for HVAC technicians and refrigeration engineers. This comprehensive reference guide provides quick access to conversion formulas, technical specifications, and practical examples for comparing power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

Mitsubishi Ashiki MUY-JX22VF electrical technical data interpretation

Category: air conditioner

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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

Category: air conditioner

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Model : Inverter AC

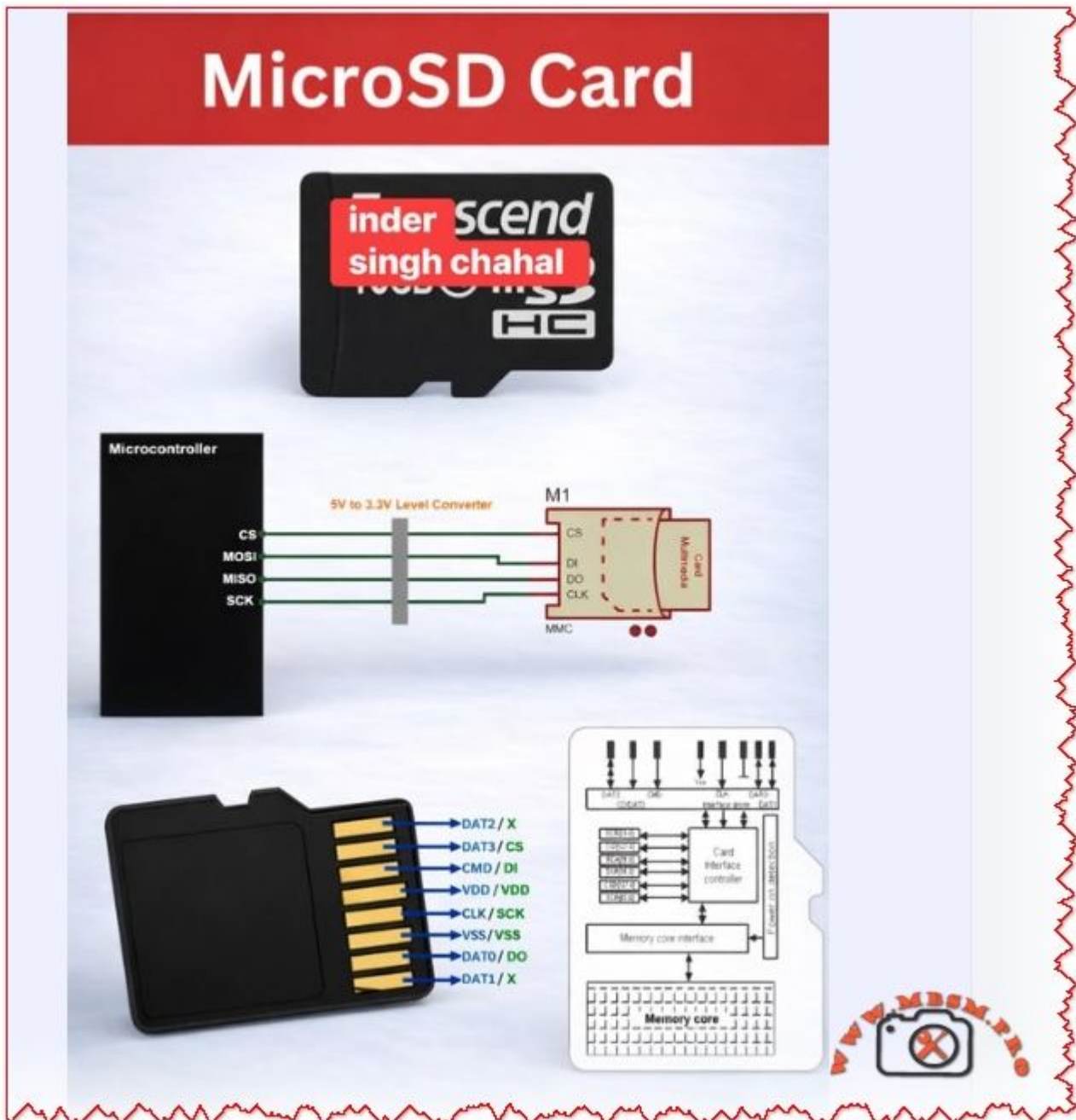
Error Code	Faults
E1	Room Temperature sensor faulty
E2	Outdoor coil temperature sensor fault
E3	Indoor coil temperature sensor fault
E4	Indoor fan motor or DC Motor feedback fault
E5	Indoor & Outdoor communication error
E6	Sliding door fault
E8	Display board and main control board communication error
E9	Humidity sensor failure
EA	Indoor fan zero crossing detection fault
Eb	Indoor EEPROM fault
F0	Outdoor DC Fan motor fault
F1	IPM modular fault
F2	PFC modular fault
F3	Compressor operation fault
F4	Exhaust temperature sensor fault
F5	Compressor top cover protection
F6	Outdoor ambient temperature sensor fault
F7	Over / under voltage protection
F8	Outdoor modular communication fault
F9	Outdoor EEPROM fault
FA	Suction temperature sensor fault
Fb	Indoor DC motor fault (Floor standing)
FC	Four way valve switching fault
Fd	Outdoor fan zero crossing detection fault
P2	High voltage protection
P3	Lack of fluid protection
P4	Outdoor coil prevent overload protection
P5	Exhaust protection
P6	Protection from high temperature
P7	Anti freezing protection

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.

MicroSD cards connect to microcontrollers over SPI or SDIO

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Mbsmpro.com, MicroSD Interface, SPI Wiring, CS MOSI MISO SCK, 3.3V Level

Shifter, Pinout, Data Logging