

# Mbsm.pro, compressors, QD43H, QV30H, QD52H, QD65H, QD75H, WV43YB, QD91YB

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 11 December 2025



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High-Efficiency AFT Refrigerator Compressors for Modern Cooling Needs

## Introduction

Compact hermetic compressors remain the hidden workhorses of domestic and light-commercial refrigeration, and the new AFT range shown here illustrates how far this technology has evolved in terms of efficiency, reliability and refrigerant flexibility. Designed for 220–240 V, 50/60 Hz operation, these units target fridge, freezer and beverage cooler manufacturers seeking cost-effective performance in small capacities.

# Product overview

The images present several AFT hermetic refrigerator compressors, including R134a models QD43H, QV30H, QD52H, QD65H and QD75H, alongside R600a models WV43YB and QD91YB, each supplied with starting components and packed in branded cartons for retail or OEM use. The power range spans from approximately 1/10 HP up to 1/4–1/5 HP, matching the typical requirements of single-door refrigerators, small freezers and display cases in homes, shops and horeca applications.

## Technical characteristics

All units are hermetically sealed, reducing leakage risk and simplifying installation while improving noise control thanks to the steel shell and vibration-damped mounting feet. Nameplate markings highlight CE conformity and compatibility with either R134a or R600a refrigerants, allowing system designers to align with current environmental regulations and low-GWP requirements.

## Main models and specifications

Model	Refrigerant	Nominal power (HP)	Typical application scope	Supply	Notes
QV30H	R134a	1/10 HP	Small single-door fridge, beverage cooler	220–240 V, 50/60 Hz	Compact footprint suitable for tight cabinets
WV43YB	R600a	1/10 HP	Energy-efficient domestic fridge with isobutane charge	220–240 V, 50/60 Hz	Emphasis on low noise and environmental protection on carton
QD43H	R134a	1/8 HP	Undercounter refrigerators, mini freezers	220–240 V, 50/60 Hz	Supplied with external starting relay pack
QD52H	R134a	1/6 HP	Upright refrigerator or small chest freezer	220–240 V, 50/60 Hz	Higher displacement for faster pull-down
QD65H	R134a	1/5 HP	Medium-size fridge-freezer combinations	220–240 V, 50/60 Hz	Marketed as “High Quality” on packaging
QD75H	R134a	1/4 HP	Larger domestic fridge-freezers, light commercial coolers	220–240 V, 50/60 Hz	Highest capacity R134a unit in the group
QD91YB	R600a	1/5 HP	High-efficiency freezers or display cabinets using R600a	220–240 V, 50/60 Hz	Carton stresses low noise and energy efficiency

## Market positioning and uses

Branding on the cartons identifies AFT as targeting refrigerator manufacturers, service centres and spare-parts retailers that require a broad selection of capacities in consistent packaging for easy stocking. The combination of R134a and R600a models allows technicians to replace ageing compressors in legacy appliances or design new equipment that meets current efficiency and

environmental expectations without changing voltage or frequency.□

## Summary of the topic

This AFT compressor range offers compact hermetic units from 1/10 to around 1/4–1/5 horsepower, engineered for 220–240 V, 50/60 Hz refrigerators and freezers in domestic and light-commercial settings. With options for both R134a and environmentally friendlier R600a, the series gives appliance manufacturers and service professionals a flexible, low-noise, energy-conscious solution for modern cooling systems.□

Model list with basic type

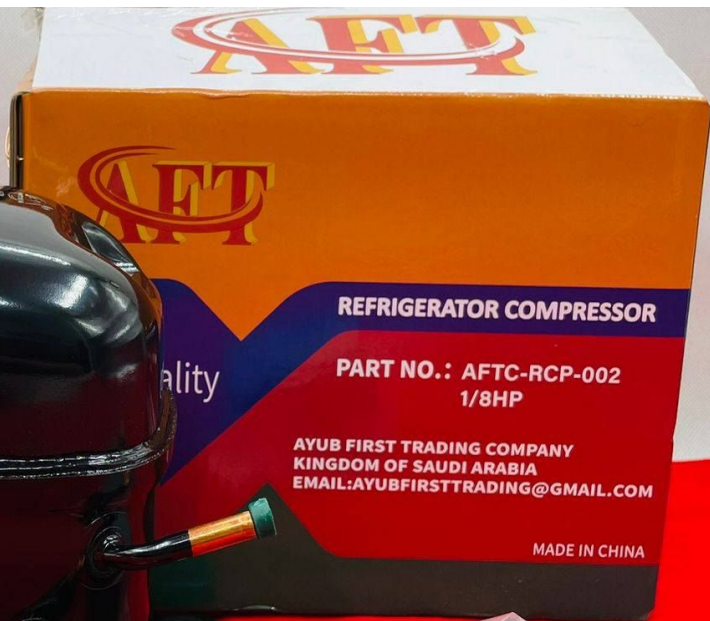
- QD43H – hermetic refrigerator compressor, typically R134a, 220–240 V, used in small fridges and freezers.□
- QV30H – hermetic refrigerator compressor, R134a, about 1/10 HP for mini refrigerators and coolers.□
- QD52H – R134a hermetic compressor around 1/6 HP, LBP, 428 W at MBP conditions in mbsm.pro data.□
- QD65H – R134a hermetic compressor around 1/5 HP, LBP, 467 W at MBP conditions in mbsm.pro data.□
- QD75H – R134a hermetic compressor usually marketed as 1/5 HP for commercial or domestic refrigeration.□
- WV43YB – universal R600a hermetic compressor around 1/10 HP for domestic refrigerators and coolers.□
- QD91YB – R600a hermetic compressor about 1/5 HP for higher-capacity fridges and freezers.□







**QD43H** RoHS  
**R134a**  
220-240V ~50/60Hz  
AFTC-RCP-002 Made in China



**REFRIGERATOR COMPRESSOR**

**PART NO.: AFTC-RCP-002**  
**1/8HP**

**AYUB FIRST TRADING COMPANY**  
**KINGDOM OF SAUDI ARABIA**  
**EMAIL:AYUBFIRSTTRADING@GMAIL.COM**

**MADE IN CHINA**





# REFRIGERATOR COMPRESSOR

AFTC-RCP-011

1/10 HP

WV43YB

R600A

**R600A  
HERMETIC REFRIGERATION COMPRESSOR**

**220V, 50/60HZ**

**LOW NOISE**

**ENERGY EFFICIENT**

**ENVIRONMENTAL PROTECTION**

**AYUB FIRST TRADING COMPANY**

شركة ايوب الاولى التجارية

**MADE IN CHINA**







# REFRIGERATOR COMPRESSOR

AFTC-RCP-014

1/5 HP

QD91YB

R600A

R600A  
HERMETIC REFRIGERATION COMPRESSOR

220V, 50/60HZ

LOW NOISE  
ENERGY EFFICIENT  
ENVIRONMENTAL PROTECTION

AYUB FIRST TRADING COMPANY

شركة ايوب الاولى التجارية

MADE IN CHINA





**QD52H** RoHS  
R134a  
220-240V ~50/60Hz  
AFTC-RCP-003 Made in China

**REFRIGERATOR COMPRESSOR**

**PART NO.: AFTC-RCP-003**  
**1/6HP**

**AYUB FIRST TRADING COMPANY**  
**KINGDOM OF SAUDI ARABIA**  
**EMAIL: AYUBFIRSTTRADING@GMAIL.COM**

MADE IN CHINA



# QD 65H 1/5 HP



## AFTC-RCP-004

