

Kulthorn, Kirby, Compressor,  
AE2425ZK, ae 2425zk-sr, R404, 1/2HP,  
Hermetic piston compressor, AE2425ZK-  
SR, Application: low temperature,  
Displacement: 14.14 cm<sup>3</sup>, Cooling  
capacity: 613 W, 220 V / 50 Hz / 1  
phase.

Category: compressor

written by Lilianne | 22 April 2021

16L3



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## Kulthorn Kirby Compressor

Kulthorn Kirby was the first hermetic compressor manufacturer in Thailand, established with Thailand Board of Investment promotion in 1980. The company was officially opened on January 13, 1982, with the initial production output of

over 100,000 compressors in the first year of operation. Later, the production capacity was expanded to 5000,000 units/year, of which more than 70% are exported worldwide. In 1991, the company was listed in the Stock Exchange of Thailand with 500 millions Baht registered capital and in 2010, registered capital was increased to 850 millions.

Kulthorn Kirby specializes in the manufacture of hermetic reciprocating compressors for domestic refrigerators, commercial refrigeration systems and air conditioners. Their vision is to be the producer of best quality, world standard products that best meet customers' needs. With concern for the environment and for meeting relevant safety standards, Kulthorn Kirby compressors are approved to many international performance and safety standards such as CE, UL, TUV, CCC, SASO and TISI.

#### **Kulthorn Kirby Specification**

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#### **Kulthorn Kirby Specification**

##### **ITEM**

##### **HIGH BACK PRESSURE**

AE4430Y R134A

AE4440Y R134A 1/3HP

AE4448Y R134A 1/2HP

AE4459Y R134A 3/4HP

AE4474EK R22 5/8HP

AE7440EK R22 1/2HP

AE7426Y R134A 3/8HP

AE2415AK R12 1/2HP

AE2415Y R134 1/2HP

##### **LOW BACK PRESSURE**

AE2425ZK R404 1/2HP

AE2416ZK R404 1/2HP

AE2428ZK R404 5/8HP

AE2432ZK R404 5/8HP

AE2420ZK R404 1/2HP

#### LOW BACK PRESSURE

WJ2435ZK R404 3/4HP  
WJ2440ZK R404 3/4HP  
WJ2450ZK R404 1HP  
AW2464ZK R404 1.5HP  
AW2495ZK R404 2HP  
AW2510ZK R404 2 1/4HP 3HP

#### COMMERCIAL BACK

WJ9470EK R22 3/4HP  
WJ9485EK R22 1HP  
WJ9510EK R22 1 1/4HP  
WJ9460YK R134 3/4HP

#### MEDIUM BACK

AW4524GK R22/R407 2HP  
AW4528GK R22/R407 2.5HP  
AW4532GK R22/R407 2 3/4HP

#### HIGH BACK PRESSURE

AW5522EK R22  
AW5530 R22  
WJ5510EK R22  
WJ5515EK R22

#### LOW BACK PRESSURE

AZA1335YK R134 1/10HP  
AZA1345YK R134 1/8HP  
AZA1350YK R134 1/6HP  
AZA1360YK R134 1/5HP  
AZA1370YK R134 1/4HP  
AE1390YK R134 1/3HP  
AE1411YK R134 1/2HP

Hermetic piston compressor AE2425ZK-SR. Application: low temperature. Freon: R404a. Displacement: 14.14 cm<sup>3</sup>. Cooling capacity: 613 W. Power supply: 220 V / 50 Hz / 1 phase.

## Specifications

Brand name	Kulthorn
The lineup	AE
Compressor type	piston
Temperature regime	low temperature
Freon	R404a
Supply voltage	220-240V / 50Hz / 1 ~
Cylinder volume	14.14 cm <sup>3</sup>
Power	5/8 HP
Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -35 ° C	335 watts
Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -30 ° C	435 watts
Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -25 ° C	562 Wt
Cooling capacity at t ° cond. + 54.4 ° C; boiling point -23.3 ° C (EN12900-LBP)	613 Wt
Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -20 ° C	725 Wt

Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -15 ° C	930 Wt
Cooling capacity at t ° cond. + 54.5 ° C; t ° boiling point -10 ° C	1180 Wt
Power consumption	488 Wt
engine's type	CSR
Dimensions (edit)	216 mm (height)
Guarantee	12 months
Producing country	Thailand

## Description Refrigeration compressor Kulthorn AE 2425ZK-SR

Kulthorn hermetic reciprocating compressors are characterized by high performance levels and energy efficiency. They have a low level of vibration and noise, a long operating period. Compressors are manufactured under license from Tecumseh USA – the world leader in the design and manufacture of compressors. The AE series is designed for commercial refrigeration furniture, chest freezers, medium and low temperature chambers, vending machines, household refrigerators, freezers and coolers.

[Mbsm\\_dot\\_pro\\_private\\_PDF\\_AE-2420ZK-SR-17B-A0-1Télécharger](#)

[Mbsm\\_dot\\_pro\\_private\\_PDF\\_AE-SeriesTélécharger](#)



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**KULTHORN**

**AE 2425ZK-SR**

**03D**

220 - 240 V ~ 50Hz R404A/R507

RLA 2.71

LRA 16.3

CE



KULTHORN KIRBY  
MADE IN THAILAND



03D17L13023143



RoHS TIS.812-2548