

Model: ALX430U-FZ1A

Product Description

Compressor Type: Reciprocating

Application: MBP/LBP - Medium/Low Back Pressure

Refrigerant: R-290

Voltage/Frequency: 220-240V ~ 50Hz

Version: AL Series

Specifications

General

Evaporating Temp. Range :-35°C to +5°C (-31°F to +41°F)

Motor Torque: High Start Torque (HST)

Compressor Cooling: Fan

Mechanical

Weight: 13 KG

Displacement (cc): 15.1

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 326

Electrical

Locked Rotor Amps (LRA): 20.5

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 3.65

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 2.82

Motor Resistance (Ohm) - Start: 7.31

Motor Type: CSIR

Agency Approval

VDE_LISTED, CE_LISTED, GOST_LISTED

Performance

[See all performance data](#)

ASHRAE

| | |
|-------------------------------------|---------------|
| Test Voltage | 220V ~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 2300 |
| (R) Refrigeration Capacity (Kcal/h) | 580 |
| (R) Refrigeration Capacity (W) | 674 |
| Input Power (W)W | 449 |
| (E) Efficiency (BTU/Wh) | 5.12 |
| (E) Efficiency (Kcal/Wh) | 1.29 |
| (E) Efficiency (W/W) | 1.5 |
| EVAP TEMP | -23°C (-10°F) |
| COND TEMP | 54°C (130°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 32°C (90°F) |
| LIQUID TEMP | 32°C (90°F) |

ASHRAE (R-290)

| | |
|-------------------------------------|---------------|
| Test Voltage | 220V ~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 4650 |
| (R) Refrigeration Capacity (Kcal/h) | 1172 |
| (R) Refrigeration Capacity (W) | 1363 |
| Input Power (W)W | 615 |
| (E) Efficiency (BTU/Wh) | 7.56 |
| (E) Efficiency (Kcal/Wh) | 1.91 |
| (E) Efficiency (W/W) | 2.22 |
| EVAP TEMP | -6.7°C (20°F) |
| COND TEMP | 54°C (130°F) |
| AMBIENT TEMP | 35°C (95°F) |
| RETURN GAS | 35°C (95°F) |
| LIQUID TEMP | 46°C (115°F) |

EN12900

| | |
|-------------------------------------|---------------|
| Test Voltage | 220V ~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 1290 |
| (R) Refrigeration Capacity (Kcal/h) | 325 |
| (R) Refrigeration Capacity (W) | 378 |
| Input Power (W)W | 326 |
| (E) Efficiency (BTU/Wh) | 3.96 |
| (E) Efficiency (Kcal/Wh) | 1 |
| (E) Efficiency (W/W) | 1.16 |
| EVAP TEMP | -35°C (-31°F) |
| COND TEMP | 40°C (104°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 40°C (104°F) |

EN12900 (R-290)

| | |
|-------------------------------------|--------------|
| Test Voltage | 220V ~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 3730 |
| (R) Refrigeration Capacity (Kcal/h) | 940 |
| (R) Refrigeration Capacity (W) | 1093 |
| Input Power (W)W | 542 |
| (E) Efficiency (BTU/Wh) | 6.88 |
| (E) Efficiency (Kcal/Wh) | 1.73 |
| (E) Efficiency (W/W) | 2.02 |
| EVAP TEMP | -10°C (14°F) |
| COND TEMP | 45°C (113°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 45°C (113°F) |

Item

AL1004BR

AL-1004-E

AL1005BR

AL-1005-E

AL1028BR

AL-1028-E