

Model: AEX419U-DS1B

Product Description

Compressor Type: Reciprocating

Application: MBP/LBP - Medium/Low Back Pressure

Refrigerant: R-290

Voltage/Frequency: 115-127V ~ 60Hz

Version: AE Series

Specifications

General

- Evaporating Temp. Range : -35°C to -5°C (-31°F to 23°F)
- Motor Torque: High Start Torque (HST)
- Compressor Cooling: Fan

Mechanical

- Weight: 11 KG
- Displacement (cc): 9.35
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 366.3

Electrical

- Locked Rotor Amps (LRA): 33
- Rated Load Amps (RLA 60Hz): 4.37
- Voltage Range (60Hz): 100-140
- Rated Load Amps (RLA 50Hz): 0
- Max. Continuous Current (MCC in Amps): 6.8
- Motor Resistance (Ohm) - Main: 1.06
- Motor Resistance (Ohm) - Start: 9.97
- Motor Type: CSIR

Agency Approval

- cURus_RECOGNIZED

Performance

[See all performance data](#)

ARI

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2873
(R) Refrigeration Capacity (Kcal/h)	724
(R) Refrigeration Capacity (W)	842
Input Power (W)W	477
(E) Efficiency (BTU/Wh)	6.02
(E) Efficiency (Kcal/Wh)	1.52
(E) Efficiency (W/W)	1.77
EVAP TEMP	-6.7°C (20°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

ASHRAE

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3530
(R) Refrigeration Capacity (Kcal/h)	890
(R) Refrigeration Capacity (W)	1035
Input Power (W)W	486
(E) Efficiency (BTU/Wh)	7.26
(E) Efficiency (Kcal/Wh)	1.83
(E) Efficiency (W/W)	2.13
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)

ARI (R-290)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1476
(R) Refrigeration Capacity (Kcal/h)	372
(R) Refrigeration Capacity (W)	433
Input Power (W)W	357
(E) Efficiency (BTU/Wh)	4.13
(E) Efficiency (Kcal/Wh)	1.04
(E) Efficiency (W/W)	1.21
EVAP TEMP	-23°C (-10°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

ASHRAE (R-290)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1770
(R) Refrigeration Capacity (Kcal/h)	446
(R) Refrigeration Capacity (W)	519
Input Power (W)W	365
(E) Efficiency (BTU/Wh)	4.85
(E) Efficiency (Kcal/Wh)	1.22
(E) Efficiency (W/W)	1.42
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)

Item

- AE1525BR
- AE1528E-679-A4
- AE1528E-679-J7
- AE1888BR
- AE-1892-E
- AE1962BR
- AE-1968-E