

Model: AE2425Z-AA3C

(AE2425Z-AA)

Product Description

Compressor Type: Reciprocating

Application: LBP - Low Back Pressure

Refrigerant: R-404A/R-407A/R-448A/R-449A/R-452A

Voltage/Frequency: 115V ~ 60Hz

Version: AE Series

Specifications

General

Evaporating Temp. Range : -40°C to -10°C (-40°F to 14°F)

Motor Torque: High Start Torque (HST)

Compressor Cooling: Fan

Mechanical

Weight: 11 KG

Displacement (cc): 12.01

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 39

Rated Load Amps (RLA 60Hz): 5.87

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 10.09

Motor Resistance (Ohm) - Main: 0.94

Motor Resistance (Ohm) - Start: 3.89

Motor Type: CSR

Agency Approval

CE_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-407A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1983
(R) Refrigeration Capacity (Kcal/h)	500
(R) Refrigeration Capacity (W)	581
Input Power (W)W	472
(E) Efficiency (BTU/Wh)	4.2
(E) Efficiency (Kcal/Wh)	1.06
(E) Efficiency (W/W)	1.23
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-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2386
(R) Refrigeration Capacity (Kcal/h)	602
(R) Refrigeration Capacity (W)	699
Input Power (W)W	501
(E) Efficiency (BTU/Wh)	4.77
(E) Efficiency (Kcal/Wh)	1.2
(E) Efficiency (W/W)	1.4
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-448A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2386
(R) Refrigeration Capacity (Kcal/h)	602
(R) Refrigeration Capacity (W)	699
Input Power (W)W	501
(E) Efficiency (BTU/Wh)	4.77
(E) Efficiency (Kcal/Wh)	1.2
(E) Efficiency (W/W)	1.4
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-452A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2434
(R) Refrigeration Capacity (Kcal/h)	614
(R) Refrigeration Capacity (W)	713
Input Power (W)W	532
(E) Efficiency (BTU/Wh)	4.58
(E) Efficiency (Kcal/Wh)	1.15
(E) Efficiency (W/W)	1.34
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-404A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2650
(R) Refrigeration Capacity (Kcal/h)	668
(R) Refrigeration Capacity (W)	777
Input Power (W)W	588
(E) Efficiency (BTU/Wh)	4.51
(E) Efficiency (Kcal/Wh)	1.14

ASHRAE (R-404A)

(E) Efficiency (W/W) 1.32

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

AE1049BR

AE-1049-E

AE1179BR

AE1182E-208-A6

AE1182E-208-J7

AE-1216-BF

AE-1216-BF-M

AE1335BR

AE-1338-E

AE1478BR

AE-1481-E

AE1999BR

AE-2005-E

AE-1068-FR (Discontinued)

AE1182E-208-A4 (Discontinued)

AE-1540-E (Discontinued)

BAE-1068-FR (Discontinued)

AE-1068-FR-M (Inactive)

AE1349BR (Inactive)

AE-1352-E (Inactive)

AE1395BR (Inactive)

AE-1398-E (Inactive)

AE1478BRD (Inactive)

AE1512BR (Inactive)

AE-1515-E (Inactive)

AE1537BR (Inactive)

AE1554BR (Inactive)

AE-1557-E (Inactive)