

Model: AE2415Z-AA1A

(AE2415Z-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: 10 KG

Displacement (cc): 7.33

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 264.55

Electrical

Locked Rotor Amps (LRA): 32

Rated Load Amps (RLA 60Hz): 4.45

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 7.78

Motor Resistance (Ohm) - Main: 1.66

Motor Resistance (Ohm) - Start: 4.14

Motor Type: CSIR

Agency Approval

CE_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1425
(R) Refrigeration Capacity (Kcal/h)	359
(R) Refrigeration Capacity (W)	418
Input Power (W)W	324
(E) Efficiency (BTU/Wh)	4.4
(E) Efficiency (Kcal/Wh)	1.11
(E) Efficiency (W/W)	1.29
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)	1405
(R) Refrigeration Capacity (Kcal/h)	354
(R) Refrigeration Capacity (W)	412
Input Power (W)W	332
(E) Efficiency (BTU/Wh)	4.23
(E) Efficiency (Kcal/Wh)	1.07
(E) Efficiency (W/W)	1.24
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)	1425
(R) Refrigeration Capacity (Kcal/h)	359
(R) Refrigeration Capacity (W)	418
Input Power (W)W	324
(E) Efficiency (BTU/Wh)	4.4
(E) Efficiency (Kcal/Wh)	1.11
(E) Efficiency (W/W)	1.29
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-407A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1139
(R) Refrigeration Capacity (Kcal/h)	287
(R) Refrigeration Capacity (W)	334
Input Power (W)W	306
(E) Efficiency (BTU/Wh)	3.73
(E) Efficiency (Kcal/Wh)	.94
(E) Efficiency (W/W)	1.09
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)	1600
(R) Refrigeration Capacity (Kcal/h)	403
(R) Refrigeration Capacity (W)	469
Input Power (W)W	366
(E) Efficiency (BTU/Wh)	4.37
(E) Efficiency (Kcal/Wh)	1.1

ASHRAE (R-404A)

(E) Efficiency (W/W) 1.28

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

AE-1106-BF

AE-1106-BF-M

AE-1107-BF

AE-1107-BF-M

AE1154BR

AE1157E-679-A4

AE1157E-679-B4

AE1157E-679-J7

AE1534BR

AE-1537-E

AE1986BR

AE-1992-E

AE1147BR (Discontinued)

AE-1150-E (Discontinued)

AE1157E-679-K7 (Discontinued)

BAE-1106-FR (Discontinued)

BAE-1107-FR (Discontinued)

AE1070BR (Inactive)

AE-1070-E (Inactive)

AE-1106-FR (Inactive)

AE-1106-FR-M (Inactive)

AE-1107-FR (Inactive)

AE-1107-FR-M (Inactive)

AE1477BR (Inactive)

AE1477BRD (Inactive)

AE-1480-E (Inactive)