

Model: AE2420Z-DS1B

Product Description

Compressor Type: Reciprocating

Application: LBP - Low Back Pressure

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

Voltage/Frequency: 115-127V ~ 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): 9.33

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 45

Rated Load Amps (RLA 60Hz): 6.25

Voltage Range (60Hz): 100-140

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 9.28

Motor Resistance (Ohm) - Main: 0.884

Motor Resistance (Ohm) - Start: 4.052

Motor Type: CSIR

Agency Approval

CE_LISTED, ISI_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1872
(R) Refrigeration Capacity (Kcal/h)	472
(R) Refrigeration Capacity (W)	549
Input Power (W)W	417
(E) Efficiency (BTU/Wh)	4.49
(E) Efficiency (Kcal/Wh)	1.13
(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)

ASHRAE (R-452A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1902
(R) Refrigeration Capacity (Kcal/h)	480
(R) Refrigeration Capacity (W)	557
Input Power (W)W	438
(E) Efficiency (BTU/Wh)	4.34
(E) Efficiency (Kcal/Wh)	1.09
(E) Efficiency (W/W)	1.27
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)	1872
(R) Refrigeration Capacity (Kcal/h)	472
(R) Refrigeration Capacity (W)	549
Input Power (W)W	417
(E) Efficiency (BTU/Wh)	4.49
(E) Efficiency (Kcal/Wh)	1.13
(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)

ASHRAE (R-407A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1496
(R) Refrigeration Capacity (Kcal/h)	377
(R) Refrigeration Capacity (W)	439
Input Power (W)W	387
(E) Efficiency (BTU/Wh)	3.86
(E) Efficiency (Kcal/Wh)	.97
(E) Efficiency (W/W)	1.13
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)

ASHRAE (R-404A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2050
(R) Refrigeration Capacity (Kcal/h)	517
(R) Refrigeration Capacity (W)	601
Input Power (W)W	473
(E) Efficiency (BTU/Wh)	4.33
(E) Efficiency (Kcal/Wh)	1.09

ASHRAE (R-404A)

Test Voltage	127V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2050
(R) Refrigeration Capacity (Kcal/h)	517
(R) Refrigeration Capacity (W)	601
Input Power (W)W	491
(E) Efficiency (BTU/Wh)	4.18
(E) Efficiency (Kcal/Wh)	1.05

ASHRAE (R-404A)

(E) Efficiency (W/W) 1.27
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)

(E) Efficiency (W/W) 1.22
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

AE1309BR

AE-1312-E

AE1319BR

AE1322E-679-A4

AE1322E-679-J7

AE1469BR

AE-1472-E

AE1490BR

AE-1493-E

AE1948BR

AE-1953-E

AE2097BR

AE-2097-E

AE1488BR (Discontinued)

AE-1491-E (Discontinued)

AE1469BRD (Inactive)