

Model: AE4440Z-AA1A

(AE4440Z-AA)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial 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 :-15°C to 15°C (5°F to 59°F)

Motor Torque: High Start Torque (HST)

Compressor Cooling: Fan

Mechanical

Weight: 10 KG

Displacement (cc): 6.69

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 264.55

Electrical

Locked Rotor Amps (LRA): 36

Rated Load Amps (RLA 60Hz): 6.3

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 7.78

Motor Resistance (Ohm) - Main: 1.37

Motor Resistance (Ohm) - Start: 3.85

Motor Type: CSIR

Agency Approval

CE_LISTED, CCC_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-404A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4350
(R) Refrigeration Capacity (Kcal/h)	1096
(R) Refrigeration Capacity (W)	1275
Input Power (W)W	563
(E) Efficiency (BTU/Wh)	7.73
(E) Efficiency (Kcal/Wh)	1.95
(E) Efficiency (W/W)	2.26
EVAP TEMP	7.2°C (45°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)

ASHRAE (R-449A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4270
(R) Refrigeration Capacity (Kcal/h)	1077
(R) Refrigeration Capacity (W)	1251
Input Power (W)W	515
(E) Efficiency (BTU/Wh)	8.29
(E) Efficiency (Kcal/Wh)	2.09
(E) Efficiency (W/W)	2.43
EVAP TEMP	7.2°C (45°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)

ASHRAE (R-452A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4112
(R) Refrigeration Capacity (Kcal/h)	1037
(R) Refrigeration Capacity (W)	1205
Input Power (W)W	539
(E) Efficiency (BTU/Wh)	7.63
(E) Efficiency (Kcal/Wh)	1.92
(E) Efficiency (W/W)	2.24
EVAP TEMP	7.2°C (45°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)

ASHRAE (R-448A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4270
(R) Refrigeration Capacity (Kcal/h)	1077
(R) Refrigeration Capacity (W)	1251
Input Power (W)W	515
(E) Efficiency (BTU/Wh)	8.29
(E) Efficiency (Kcal/Wh)	2.09
(E) Efficiency (W/W)	2.43
EVAP TEMP	7.2°C (45°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)

ASHRAE (R-407A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4046
(R) Refrigeration Capacity (Kcal/h)	1020
(R) Refrigeration Capacity (W)	1186
Input Power (W)W	512
(E) Efficiency (BTU/Wh)	7.9
(E) Efficiency (Kcal/Wh)	1.99

ASHRAE (R-407A)

(E) Efficiency (W/W) 2.32

EVAP TEMP 7.2°C (45°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)

Item

AE-1135-BF

AE-1135-BF-M

AE-1136-BF

AE-1136-BF-M

AE1165BR

AE1168E-209-A4

AE1168E-209-A4-80

AE1168E-209-B4

AE1168E-209-J7

AE1471BR

AE-1474-E

AE1546BR

AE-1549-E

AE1979BR

AE-1985-E

AE1168E-209-K7 (Discontinued)

AE1069BR (Inactive)

AE-1069-E (Inactive)

AE1168T-209-A4 (Inactive)

AE1168T-209-J7 (Inactive)

AE1471BRD (Inactive)