

Model: AE4470Z-ES3C

(AE4470Z-ES)

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: 220V ~ 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: 11 KG

Displacement (cc): 12.01

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 29

Rated Load Amps (RLA 60Hz): 5.05

Voltage Range (60Hz): 187-242

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 6.91

Motor Resistance (Ohm) - Main: 2.36

Motor Resistance (Ohm) - Start: 7.37

Motor Type: CSR

Agency Approval

CE_LISTED, SASO_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-449A)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	7630
(R) Refrigeration Capacity (Kcal/h)	1924
(R) Refrigeration Capacity (W)	2236
Input Power (W)W	946
(E) Efficiency (BTU/Wh)	8.07
(E) Efficiency (Kcal/Wh)	2.03
(E) Efficiency (W/W)	2.36
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	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	7468
(R) Refrigeration Capacity (Kcal/h)	1883
(R) Refrigeration Capacity (W)	2189
Input Power (W)W	985
(E) Efficiency (BTU/Wh)	7.58
(E) Efficiency (Kcal/Wh)	1.91
(E) Efficiency (W/W)	2.22
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	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	7630
(R) Refrigeration Capacity (Kcal/h)	1924
(R) Refrigeration Capacity (W)	2236
Input Power (W)W	946
(E) Efficiency (BTU/Wh)	8.07
(E) Efficiency (Kcal/Wh)	2.03
(E) Efficiency (W/W)	2.36
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	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	7411
(R) Refrigeration Capacity (Kcal/h)	1869
(R) Refrigeration Capacity (W)	2172
Input Power (W)W	949
(E) Efficiency (BTU/Wh)	7.81
(E) Efficiency (Kcal/Wh)	1.97
(E) Efficiency (W/W)	2.29
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-404A)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	7900
(R) Refrigeration Capacity (Kcal/h)	1991
(R) Refrigeration Capacity (W)	2315
Input Power (W)W	1029
(E) Efficiency (BTU/Wh)	7.68
(E) Efficiency (Kcal/Wh)	1.93

ASHRAE (R-404A)

(E) Efficiency (W/W) 2.25

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-1196-BF

AE-1196-BF-M

AE1683BR

AE-1686-E

AE1752BR

AE-1756-E

AE1945BR

AE-1950-E

AE1982BR

AE-1988-E

AE-1069-FR (Discontinued)

AE-1125-FR-M (Discontinued)

AE-1197-BF-M (Discontinued)

AE1702BR (Discontinued)

AE-1705-E (Discontinued)

AE1774BR (Discontinued)

AE-1778-E (Discontinued)

AE1788BR (Discontinued)

AE-1792-E (Discontinued)

AE1887BR (Discontinued)

AE-1891-E (Discontinued)

BAE-1069-FR (Discontinued)

AE-1069-FR-M (Inactive)