

Model: AE4440Z-FZ1A

(AE4440Z-FZ)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 220-240V ~ 50Hz

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): 16

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 2.74

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 6.79

Motor Resistance (Ohm) - Start: 18

Motor Type: CSIR

Agency Approval

VDE_LISTED, CE_LISTED, CCC_LISTED, GOST_LISTED, GOST_UKR_LISTED, TIS_LISTED

Performance

[See all performance data](#)

ASHRAE (R-449A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3477
(R) Refrigeration Capacity (Kcal/h)	877
(R) Refrigeration Capacity (W)	1019
Input Power (W)W	425
(E) Efficiency (BTU/Wh)	8.19
(E) Efficiency (Kcal/Wh)	2.06
(E) Efficiency (W/W)	2.4
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 ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3403
(R) Refrigeration Capacity (Kcal/h)	858
(R) Refrigeration Capacity (W)	997
Input Power (W)W	442
(E) Efficiency (BTU/Wh)	7.69
(E) Efficiency (Kcal/Wh)	1.94
(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)

ASHRAE (R-448A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3477
(R) Refrigeration Capacity (Kcal/h)	877
(R) Refrigeration Capacity (W)	1019
Input Power (W)W	425
(E) Efficiency (BTU/Wh)	8.19
(E) Efficiency (Kcal/Wh)	2.06
(E) Efficiency (W/W)	2.4
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 ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3377
(R) Refrigeration Capacity (Kcal/h)	852
(R) Refrigeration Capacity (W)	990
Input Power (W)W	426
(E) Efficiency (BTU/Wh)	7.93
(E) Efficiency (Kcal/Wh)	2
(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)

ASHRAE (R-404A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3600
(R) Refrigeration Capacity (Kcal/h)	907
(R) Refrigeration Capacity (W)	1055
Input Power (W)W	462
(E) Efficiency (BTU/Wh)	7.79
(E) Efficiency (Kcal/Wh)	1.96

ASHRAE (R-404A)

(E) Efficiency (W/W) 2.28

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-1137-BF

AE-1137-BF-M

AE-1138-BF

AE-1138-BF-M

AE1176BR

AE-1179-E

AE1210BR

AE-1213-E

AE1258BR

AE1261E-209-A4

AE1275BR

AE-1278-E

AE1547BR

AE-1550-E

AE1761BR

AE-1765-E

AE1967BR

AE1967BRD

AE-1973-E

AE1044BR (Discontinued)

AE-1044-E (Discontinued)

AE1089BR (Discontinued)

AE-1089-E (Discontinued)

AE1439BR (Discontinued)

AE-1442-E (Discontinued)

AE1566BR (Discontinued)

AE-1569-E (Discontinued)

AE1630BR (Discontinued)

AE-1633-E (Discontinued)

AE1880BR (Discontinued)

AE-1884-E (Discontinued)

AE-1003-FR (Inactive)

AE-1003-FR-M (Inactive)

AE-1004-FR (Inactive)

AE-1004-FR-M (Inactive)

AE-1028-BF (Inactive)

AE-1029-BF (Inactive)

AE-1074-BF (Inactive)

AE-1074-BF-M (Inactive)

AE-1086-BF (Inactive)