

Model: AE4440P-FZ1A

(AE4440P,AE4440P-FZ)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: R-404A/R-448A/R-449A/R-452A/R-454C/R-455A

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: 11 KG
- Displacement (cc): 6.69
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 366.3

Electrical

- Locked Rotor Amps (LRA): 14.5
- Rated Load Amps (RLA 60Hz): 0
- Voltage Range (50Hz): 198-253
- Rated Load Amps (RLA 50Hz): 2.53
- Max. Continuous Current (MCC in Amps): 0
- Motor Resistance (Ohm) - Main: 6.7
- Motor Resistance (Ohm) - Start: 19.31
- Motor Type: CSIR

Agency Approval

- VDE_LISTED, CE_LISTED

Performance

[See all performance data](#)

ASHRAE (R-452A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3500
(R) Refrigeration Capacity (Kcal/h)	882
(R) Refrigeration Capacity (W)	1026
Input Power (W)W	438
(E) Efficiency (BTU/Wh)	7.99
(E) Efficiency (Kcal/Wh)	2.01
(E) Efficiency (W/W)	2.34
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
(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)

ASHRAE (R-454C)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2910
(R) Refrigeration Capacity (Kcal/h)	733
(R) Refrigeration Capacity (W)	853
Input Power (W)W	371
(E) Efficiency (BTU/Wh)	7.84
(E) Efficiency (Kcal/Wh)	1.98
(E) Efficiency (W/W)	2.3
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-455A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3170
(R) Refrigeration Capacity (Kcal/h)	799
(R) Refrigeration Capacity (W)	929
Input Power (W)W	392
(E) Efficiency (BTU/Wh)	8.09
(E) Efficiency (Kcal/Wh)	2.04
(E) Efficiency (W/W)	2.37
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-1237-BF
- AE-1237-BF-M
- AE-1238-BF
- AE-1238-BF-M
- AE1931BR
- AE-1935-E
- AE2053BR
- AE2053BRD
- AE-2053-E