

Model: AE4456N-FZ1C

Product Description

Compressor Type: Reciprocating

Application: HBP - High Back Pressure

Refrigerant: R-1234yf/R-134a

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): 14.51

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 17.5

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 3.66

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 4.09

Motor Resistance (Ohm) - Start: 22.86

Motor Type: CSIR

Agency Approval

VDE_LISTED, CE_LISTED

Performance

[See all performance data](#)

ASHRAE (R-1234yf)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	4900
(R) Refrigeration Capacity (Kcal/h)	1235
(R) Refrigeration Capacity (W)	1436
Input Power (W)W	631
(E) Efficiency (BTU/Wh)	7.77
(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-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	4900
(R) Refrigeration Capacity (Kcal/h)	1235
(R) Refrigeration Capacity (W)	1436
Input Power (W)W	625
(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)

Item

AE-1229-BF

AE-1229-BF-M

AE-1230-BF

AE-1230-BF-M

AE1830BR

AE-1834-E

AE-1812-E (Discontinued)

AE1784BR (Inactive)

AE-1788-E (Inactive)

AE1808BR (Inactive)