

Model: AE4430Y-FZ1A

(AE4430Y)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: 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: 10 KG

Displacement (cc): 8.02

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 264.55

Electrical

Locked Rotor Amps (LRA): 11.5

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 2.13

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 8.58

Motor Resistance (Ohm) - Start: 53.44

Motor Type: CSIR

Agency Approval

VDE_LISTED, CE_LISTED, ISI_LISTED, CCC_LISTED, IRAM_LISTED, GOST_LISTED, GOST_UKR_LISTED,
TIS_LISTED

Performance

[See all performance data](#)

ASHRAE (R-513A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2854
(R) Refrigeration Capacity (Kcal/h)	719
(R) Refrigeration Capacity (W)	836
Input Power (W)W	366
(E) Efficiency (BTU/Wh)	7.8
(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)	2800
(R) Refrigeration Capacity (Kcal/h)	706
(R) Refrigeration Capacity (W)	821
Input Power (W)W	337
(E) Efficiency (BTU/Wh)	8.31
(E) Efficiency (Kcal/Wh)	2.09
(E) Efficiency (W/W)	2.44
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-1036-BF

AE-1036-BF-M

AE-1037-BF

AE-1037-BF-M

AE1076BR

AE-1076-E

AE1083BR

AE-1083-E

AE1102BR

AE-1102-E

AE1115BR

AE-1118-E

AE1229BR

AE1302BR

AE-1305-E

AE1365BR

AE1497BR

AE-1500-E

AE1758BR

AE-1762-E

AE1899BR

AE-1903-E

AE2107BR

AE-2107-E

AE1001BR (Discontinued)

AE-1001-E (Discontinued)

AE1015BR (Discontinued)

AE-1015-E (Discontinued)

AE1017BR (Discontinued)

AE-1017-E (Discontinued)

AE1027BR (Discontinued)

AE-1027-E (Discontinued)

AE1029BR (Discontinued)

AE-1029-E (Discontinued)

AE1050BR (Discontinued)

AE-1050-E (Discontinued)

AE-1056-E (Discontinued)

AE1483BR (Discontinued)

AE-1486-E (Discontinued)

AE1529BR (Discontinued)

AE-1532-E (Discontinued)
AE1627BR (Discontinued)
AE-1630-E (Discontinued)
AE1640BR (Discontinued)
AE-1643-E (Discontinued)
AE-1000-BF (Inactive)
AE-1001-BF (Inactive)
AE-1019-BR (Inactive)
AE-1020-BR (Inactive)
AE1056BR (Inactive)
AE1056BRD (Inactive)
AE1083BRD (Inactive)
AE-1091-BF (Inactive)
AE1119BR (Inactive)
AE1119BRD (Inactive)
AE-1122-E (Inactive)
AE1232E-212-A4 (Inactive)
AE1368E-206-S7 (Inactive)
AE1445BR (Inactive)
AE-1448-E (Inactive)
AE1627BRD (Inactive)
AE1640BRD (Inactive)
AE1883BR (Inactive)
AE-1887-E (Inactive)
AE1943BR (Inactive)
AE-1948-E (Inactive)