

Model: AE4450Y-FZ1C

(AE4450Y-FZ)

Product Description

Compressor Type: Reciprocating

Application: HBP - High 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: 11 KG

Displacement (cc): 13.24

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 17

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 3.23

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 4.75

Motor Resistance (Ohm) - Start: 18.24

Motor Type: CSIR

Agency Approval

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

Performance

[See all performance data](#)

ASHRAE (R-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	4650
(R) Refrigeration Capacity (Kcal/h)	1172
(R) Refrigeration Capacity (W)	1363
Input Power (W)W	565
(E) Efficiency (BTU/Wh)	8.23
(E) Efficiency (Kcal/Wh)	2.07
(E) Efficiency (W/W)	2.41
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-513A)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	4763
(R) Refrigeration Capacity (Kcal/h)	1200
(R) Refrigeration Capacity (W)	1396
Input Power (W)W	582
(E) Efficiency (BTU/Wh)	8.18
(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)

Item

AE-1020-BF

AE-1020-BF-M

AE-1021-BF

AE-1021-BF-M

AE1066BR

AE-1066-E

AE1132BR

AE-1135-E

AE1145BR

AE-1148-E

AE1155BR

AE1158E-209-A4

AE1159BR

AE-1162-E

AE-1233-BF-M

AE1280BR

AE1280BRD

AE-1283-E

AE1300BR

AE1300BRD

AE-1303-E

AE1338BR

AE1338BRD

AE-1341-E

AE1364BR

AE1491BR

AE1491BRD

AE-1494-E

AE1670BR

AE-1673-E

AE1762BR

AE1762BRD

AE-1766-E

AE1053BR (Discontinued)

AE-1053-E (Discontinued)

AE1087BR (Discontinued)

AE-1087-E (Discontinued)

AE1121BR (Discontinued)

AE-1124-E (Discontinued)

AE1479BR (Discontinued)

AE-1482-E (Discontinued)
AE1485BR (Discontinued)
AE-1488-E (Discontinued)
AE1624BR (Discontinued)
AE-1627-E (Discontinued)
AE1776BR (Discontinued)
AE-1780-E (Discontinued)
AE1087BRD (Inactive)
AE-1089-BF (Inactive)
AE1121BRD (Inactive)
AE1132BRD (Inactive)
AE1158E-209-J7 (Inactive)
AE1158E-209-K7 (Inactive)
AE1168BR (Inactive)
AE1168BRD (Inactive)
AE-1171-E (Inactive)
AE1332BR (Inactive)
AE-1335-E (Inactive)
AE1367E-214-S7 (Inactive)
AE1401BR (Inactive)
AE-1404-E (Inactive)
AE1624BRD (Inactive)
AE1776BRD (Inactive)
AE1879BR (Inactive)
AE-1883-E (Inactive)