

Model: AE4440Y-AA1A

(AE4440Y-AA)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: R-134a/R-513A

Voltage/Frequency: 115V ~ 60Hz

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): 10.33

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 264.55

Electrical

Locked Rotor Amps (LRA): 32

Rated Load Amps (RLA 60Hz): 5.82

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 8.81

Motor Resistance (Ohm) - Main: 1.65

Motor Resistance (Ohm) - Start: 3.44

Motor Type: CSIR

Agency Approval

CE_LISTED, SASO_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-134a)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4350
(R) Refrigeration Capacity (Kcal/h)	1096
(R) Refrigeration Capacity (W)	1275
Input Power (W)W	550
(E) Efficiency (BTU/Wh)	7.91
(E) Efficiency (Kcal/Wh)	1.99
(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-513A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4528
(R) Refrigeration Capacity (Kcal/h)	1141
(R) Refrigeration Capacity (W)	1327
Input Power (W)W	611
(E) Efficiency (BTU/Wh)	7.4
(E) Efficiency (Kcal/Wh)	1.87
(E) Efficiency (W/W)	2.17
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)

ARI (R-513A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4213
(R) Refrigeration Capacity (Kcal/h)	1062
(R) Refrigeration Capacity (W)	1234
Input Power (W)W	610
(E) Efficiency (BTU/Wh)	6.91
(E) Efficiency (Kcal/Wh)	1.74
(E) Efficiency (W/W)	2.02
EVAP TEMP	7.2°C (45°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	18.3°C (65°F)
LIQUID TEMP	46°C (115°F)

Item

AE1019BR

AE-1019-E

AE1022BR

AE1022E-212-A4

AE1022E-212-B4

AE1022E-212-J7

AE1022E-212-J9

AE1039BR

AE-1039-E

AE-1157-BF

AE-1157-BF-M

AE-1158-BF

AE-1158-BF-M

AE-1159-BF

AE-1159-BF-M

AE1197BR

AE1200E-215-J7

AE1223BR

AE-1226-E

AE1380BR

AE-1383-E

AE1593BR

AE-1596-E

AE1002BR (Discontinued)

AE-1002-E (Discontinued)

AE1020BR (Discontinued)

AE-1020-E (Discontinued)

AE1025BR (Discontinued)

AE-1025-E (Discontinued)

AE-1050-FR (Discontinued)

AE1084BR (Discontinued)

AE-1084-E (Discontinued)

AE1312BR (Discontinued)

AE-1315-E (Discontinued)

AE1422E-206-J7 (Discontinued)

AE1514BR (Discontinued)

AE-1517-E (Discontinued)

AE-1692-E (Discontinued)

BAE-1050-FR (Discontinued)

AE1022E-212-A6 (Inactive)

AE1022E-212-J7IE (Inactive)

AE1022E-212-K7 (Inactive)

AE1022T-212-A4 (Inactive)

AE1022T-212-J7 (Inactive)

AE1022T-212-J9 (Inactive)

AE1038BR (Inactive)

AE-1038-E (Inactive)

AE-1050-FR-M (Inactive)

AE-1051-FR (Inactive)

AE-1051-FR-M (Inactive)

AE-1094-FR (Inactive)

AE-1094-FR-M (Inactive)

AE-1108-E (Inactive)

AE-1109-E (Inactive)

AE1200E-215-J9 (Inactive)

AE1223BRD (Inactive)

AE1348BR (Inactive)

AE-1351-E (Inactive)

AE1419BR (Inactive)

AE-1422-E (Inactive)

AE1521BR (Inactive)

AE-1524-E (Inactive)

AE1689BR (Inactive)

AE1689BRD (Inactive)

AE1918BR (Inactive)

AE-1922-E (Inactive)