

Model: AE4430Y-AA1A

(AE4430Y-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): 8.02

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 264.55

Electrical

Locked Rotor Amps (LRA): 27.5

Rated Load Amps (RLA 60Hz): 4.91

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 6.8

Motor Resistance (Ohm) - Main: 1.91

Motor Resistance (Ohm) - Start: 5.41

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)	3465
(R) Refrigeration Capacity (Kcal/h)	873
(R) Refrigeration Capacity (W)	1015
Input Power (W)W	450
(E) Efficiency (BTU/Wh)	7.71
(E) Efficiency (Kcal/Wh)	1.94
(E) Efficiency (W/W)	2.26
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-134a)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3257
(R) Refrigeration Capacity (Kcal/h)	821
(R) Refrigeration Capacity (W)	954
Input Power (W)W	448
(E) Efficiency (BTU/Wh)	7.27
(E) Efficiency (Kcal/Wh)	1.83
(E) Efficiency (W/W)	2.13
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)

ASHRAE (R-513A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3465
(R) Refrigeration Capacity (Kcal/h)	873
(R) Refrigeration Capacity (W)	1015
Input Power (W)W	450
(E) Efficiency (BTU/Wh)	7.71
(E) Efficiency (Kcal/Wh)	1.94
(E) Efficiency (W/W)	2.26
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

AE1003BR

AE-1003-E

AE1023BR

AE1023E-212-A4

AE1023E-212-B4

AE1023E-212-J7

AE1023E-212-J9

AE1036BR

AE-1036-E

AE-1155-BF

AE-1155-BF-M

AE-1156-BF

AE-1156-BF-M

AE1196BR

AE1199E-215-J7

AE1592BR

AE-1595-E

AE1613BR

AE-1616-E

AE1976BR

AE-1982-E

AE2037BR

AE-2037-E

AE1021BR (Discontinued)

AE-1021-E (Discontinued)

AE-1036-FR (Discontinued)

AE1037BR (Discontinued)

AE-1037-E (Discontinued)

AE1110BR (Discontinued)

AE-1110-E (Discontinued)

AE1220BR (Discontinued)

AE-1223-E (Discontinued)

AE1313BR (Discontinued)

AE-1316-E (Discontinued)

AE1324BR (Discontinued)

AE-1327-E (Discontinued)

AE1496BR (Discontinued)

AE-1499-E (Discontinued)

AE-1691-E (Discontinued)

AE1023E-212-K7 (Inactive)

AE1023T-212-A4 (Inactive)

AE1023T-212-J7 (Inactive)

AE1023T-212-J9 (Inactive)

AE1024BR (Inactive)

AE-1024-E (Inactive)

AE-1035-FR (Inactive)

AE-1035-FR-M (Inactive)

AE-1036-FR-M (Inactive)

AE1082BR (Inactive)

AE-1082-E (Inactive)

AE-1106-E (Inactive)

AE-1107-E (Inactive)

AE-1113-E (Inactive)

AE1199E-215-J9 (Inactive)

AE1199T-215-J7 (Inactive)

AE1199T-215-J9 (Inactive)

AE1220BRD (Inactive)

AE1688BR (Inactive)