

Model: AE4440Z-GS1C

(AE4440Z-GS)

Product Description

Compressor Type: Reciprocating

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 220V ~ 50Hz / 220V ~ 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: 11 KG

Displacement (cc): 6.69

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 366.3

Electrical

Locked Rotor Amps (LRA): 23.5

Rated Load Amps (RLA 60Hz): 3.29

Voltage Range (50Hz): 180-242

Voltage Range (60Hz): 187-242

Rated Load Amps (RLA 50Hz): 3.89

Max. Continuous Current (MCC in Amps): 5.25

Motor Resistance (Ohm) - Main: 3.22

Motor Resistance (Ohm) - Start: 8.64

Motor Type: CSIR

Agency Approval

CE_LISTED, ISI_LISTED, CCC_LISTED, SASO_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	4350
(R) Refrigeration Capacity (Kcal/h)	1096
(R) Refrigeration Capacity (W)	1275
Input Power (W)W	546
(E) Efficiency (BTU/Wh)	7.97
(E) Efficiency (Kcal/Wh)	2.01
(E) Efficiency (W/W)	2.34
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

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3650
(R) Refrigeration Capacity (Kcal/h)	920
(R) Refrigeration Capacity (W)	1070
Input Power (W)W	493
(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)

Item

AE-1162-BF

AE-1162-BF-M

AE-1163-BF

AE-1163-BF-M

AE1596BR

AE-1599-E

AE1606BR

AE-1609-E

AE1735BR

AE-1738-E

AE1789BR

AE-1793-E

AE2104BR

AE-2104-E

AE1749BR (Discontinued)

AE-1753-E (Discontinued)

AE-1058-FR (Inactive)

AE-1058-FR-M (Inactive)

AE-1059-FR (Inactive)

AE-1059-FR-M (Inactive)

AE1862BR (Inactive)

AE-1866-E (Inactive)

AE4ZA1FH-207-A (Inactive)