

Model: AE3430Y-AA1A

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: Low Start Torque (LST)

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): 39

Rated Load Amps (RLA 60Hz): 4.86

Voltage Range (60Hz): 103-127

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 7.76

Motor Resistance (Ohm) - Main: 1.86

Motor Resistance (Ohm) - Start: 5.01

Motor Type: RSIR

Agency Approval

CE_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-513A)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3419
(R) Refrigeration Capacity (Kcal/h)	862
(R) Refrigeration Capacity (W)	1002
Input Power (W)W	465
(E) Efficiency (BTU/Wh)	7.35
(E) Efficiency (Kcal/Wh)	1.85
(E) Efficiency (W/W)	2.15
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	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3400
(R) Refrigeration Capacity (Kcal/h)	857
(R) Refrigeration Capacity (W)	997
Input Power (W)W	418
(E) Efficiency (BTU/Wh)	8.13
(E) Efficiency (Kcal/Wh)	2.05
(E) Efficiency (W/W)	2.38
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)	3213
(R) Refrigeration Capacity (Kcal/h)	810
(R) Refrigeration Capacity (W)	941
Input Power (W)W	468
(E) Efficiency (BTU/Wh)	6.87
(E) Efficiency (Kcal/Wh)	1.73
(E) Efficiency (W/W)	2.01
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

AE1150BR

AE1153E-212-A4

AE1153E-212-B4

AE1153E-212-J7

AE1040BR (Inactive)

AE-1040-E (Inactive)

AE1080BR (Inactive)

AE-1080-E (Inactive)

AE1153E-212-J9 (Inactive)