



Model: AWS4544ZKZ

Product Description

Compressor Type: Reciprocating

Application: MBP/HBP - Medium/High Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 220V 3~ 50Hz / 220V 3~ 60Hz

Version: AW 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: 30 KG

Displacement (cc): 68

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 1140

Electrical

Locked Rotor Amps (LRA): 82

Rated Load Amps (RLA 60Hz): 13.9

Voltage Range (50Hz): 180-253

Voltage Range (60Hz): 187-264

Rated Load Amps (RLA 50Hz): 12.1

Max. Continuous Current (MCC in Amps): 22.1

Motor Resistance (Ohm) - Main: 1.101

Motor Type: 3PH

Agency Approval

UL_RECOGNIZED, ISI_LISTED

Performance

[See all performance data](#)

ASHRAE

Test Voltage	220V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	43600
(R) Refrigeration Capacity (Kcal/h)	10988
(R) Refrigeration Capacity (W)	12778
Input Power (W)W	4850
(E) Efficiency (BTU/Wh)	8.99
(E) Efficiency (Kcal/Wh)	2.27
(E) Efficiency (W/W)	2.63
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 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	38000
(R) Refrigeration Capacity (Kcal/h)	9577
(R) Refrigeration Capacity (W)	11137
Input Power (W)W	4000
(E) Efficiency (BTU/Wh)	9.5
(E) Efficiency (Kcal/Wh)	2.39
(E) Efficiency (W/W)	2.78
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

Test Voltage	220V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	35188
(R) Refrigeration Capacity (Kcal/h)	8868
(R) Refrigeration Capacity (W)	10313
Input Power (W)W	3960
(E) Efficiency (BTU/Wh)	8.89
(E) Efficiency (Kcal/Wh)	2.24
(E) Efficiency (W/W)	2.6
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)

ARI

Test Voltage	220V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	39807
(R) Refrigeration Capacity (Kcal/h)	10032
(R) Refrigeration Capacity (W)	11667
Input Power (W)W	4753
(E) Efficiency (BTU/Wh)	8.38
(E) Efficiency (Kcal/Wh)	2.11
(E) Efficiency (W/W)	2.45
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)

EN12900

Test Voltage	220V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	31654
(R) Refrigeration Capacity (Kcal/h)	7977
(R) Refrigeration Capacity (W)	9277
Input Power (W)W	3705
(E) Efficiency (BTU/Wh)	8.54
(E) Efficiency (Kcal/Wh)	2.15

EN12900

Test Voltage	220V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	35750
(R) Refrigeration Capacity (Kcal/h)	9010
(R) Refrigeration Capacity (W)	10478
Input Power (W)W	4457
(E) Efficiency (BTU/Wh)	8.02
(E) Efficiency (Kcal/Wh)	2.02

EN12900

(E) Efficiency (W/W) 2.5

EVAP TEMP 5°C (41°F)

COND TEMP 50°C (122°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 20°C (68°F)

LIQUID TEMP 50°C (122°F)

EN12900

(E) Efficiency (W/W) 2.35

EVAP TEMP 5°C (41°F)

COND TEMP 50°C (122°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 20°C (68°F)

LIQUID TEMP 50°C (122°F)

Item

AW281SH-408-A4

AW281SH-410-A4B

AW281SH-480-A2S

AW281SH-480-A4S

AW281SH-481-A2S

AW281SH-481-A4S

AW281SH-410-A4 (Inactive)

AW281SH-412-A4 (Inactive)

AW281SH-480-A2 (Inactive)

AW281SH-480-A4 (Inactive)

AW281SH-481-A2 (Inactive)

AW281SH-481-A4 (Inactive)