



Model: AWS4524ZXN

Product Description

Compressor Type: Reciprocating

Application: MBP/HBP - Medium/High Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 200-220V ~ 50Hz / 208-230V ~ 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: 28 KG
- Displacement (cc): 43.3
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 1140

Electrical

- Locked Rotor Amps (LRA): 72
- Rated Load Amps (RLA 60Hz): 11.9
- Voltage Range (50Hz): 180-242
- Voltage Range (60Hz): 187-254
- Rated Load Amps (RLA 50Hz): 12.3
- Max. Continuous Current (MCC in Amps): 20.7
- Motor Resistance (Ohm) - Main: 0.81
- Motor Resistance (Ohm) - Start: 2.51
- Motor Type: CSR

Agency Approval

- UL_RECOGNIZED, ISI_LISTED

Performance

[See all performance data](#)

ASHRAE

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	26500
(R) Refrigeration Capacity (Kcal/h)	6678
(R) Refrigeration Capacity (W)	7767
Input Power (W)W	2750
(E) Efficiency (BTU/Wh)	9.64
(E) Efficiency (Kcal/Wh)	2.43
(E) Efficiency (W/W)	2.82
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)	22300
(R) Refrigeration Capacity (Kcal/h)	5620
(R) Refrigeration Capacity (W)	6536
Input Power (W)W	2330
(E) Efficiency (BTU/Wh)	9.57
(E) Efficiency (Kcal/Wh)	2.41
(E) Efficiency (W/W)	2.81
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	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	24170
(R) Refrigeration Capacity (Kcal/h)	6091
(R) Refrigeration Capacity (W)	7084
Input Power (W)W	2700
(E) Efficiency (BTU/Wh)	8.95
(E) Efficiency (Kcal/Wh)	2.26
(E) Efficiency (W/W)	2.62
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 ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	20740
(R) Refrigeration Capacity (Kcal/h)	5227
(R) Refrigeration Capacity (W)	6079
Input Power (W)W	2320
(E) Efficiency (BTU/Wh)	8.94
(E) Efficiency (Kcal/Wh)	2.25
(E) Efficiency (W/W)	2.62
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	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	21730
(R) Refrigeration Capacity (Kcal/h)	5476
(R) Refrigeration Capacity (W)	6369
Input Power (W)W	2527
(E) Efficiency (BTU/Wh)	8.6
(E) Efficiency (Kcal/Wh)	2.17

EN12900

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	19560
(R) Refrigeration Capacity (Kcal/h)	4929
(R) Refrigeration Capacity (W)	5733
Input Power (W)W	2180
(E) Efficiency (BTU/Wh)	8.97
(E) Efficiency (Kcal/Wh)	2.26

EN12900

(E) Efficiency (W/W) 2.52

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) 2.63

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

AW277EH-196-A2

AW277EH-421-A2

AW277EH-421-A4

AW277EH-413-A4 (Inactive)

AW277EH-414-A4 (Inactive)

AW277EH-487-A2S (Inactive)