

Model: AWS4524ZXG

Product Description

Compressor Type: Reciprocating

Application: MBP/HBP - Medium/High Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 380-420V 3~ 50Hz / 460V 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: 27 KG
- Displacement (cc): 43.1
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 1140

Electrical

- Locked Rotor Amps (LRA): 26
- Rated Load Amps (RLA 60Hz): 3.9
- Voltage Range (50Hz): 342-462
- Voltage Range (60Hz): 396-506
- Rated Load Amps (RLA 50Hz): 3.8
- Max. Continuous Current (MCC in Amps): 6.6
- Motor Resistance (Ohm) - Main: 7.05
- Motor Type: 3PH

Agency Approval

- CE_LISTED, ISI_LISTED

Performance

[See all performance data](#)

ARI

Test Voltage	380V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	19446
(R) Refrigeration Capacity (Kcal/h)	4901
(R) Refrigeration Capacity (W)	5699
Input Power (W)W	2178
(E) Efficiency (BTU/Wh)	8.93
(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)

ARI

Test Voltage	460V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	23740
(R) Refrigeration Capacity (Kcal/h)	5983
(R) Refrigeration Capacity (W)	6958
Input Power (W)W	2646
(E) Efficiency (BTU/Wh)	8.97
(E) Efficiency (Kcal/Wh)	2.26
(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	18.3°C (65°F)
LIQUID TEMP	46°C (115°F)

EN12900

Test Voltage	380V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	17493
(R) Refrigeration Capacity (Kcal/h)	4409
(R) Refrigeration Capacity (W)	5127
Input Power (W)W	2037
(E) Efficiency (BTU/Wh)	8.59
(E) Efficiency (Kcal/Wh)	2.16
(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

Test Voltage	460V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	21320
(R) Refrigeration Capacity (Kcal/h)	5373
(R) Refrigeration Capacity (W)	6249
Input Power (W)W	2480
(E) Efficiency (BTU/Wh)	8.6
(E) Efficiency (Kcal/Wh)	2.17
(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)

ASHRAE

Test Voltage	380V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	21000
(R) Refrigeration Capacity (Kcal/h)	5292
(R) Refrigeration Capacity (W)	6155
Input Power (W)W	2200
(E) Efficiency (BTU/Wh)	9.55
(E) Efficiency (Kcal/Wh)	2.41

ASHRAE

Test Voltage	460V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	26000
(R) Refrigeration Capacity (Kcal/h)	6552
(R) Refrigeration Capacity (W)	7620
Input Power (W)W	2700
(E) Efficiency (BTU/Wh)	9.63
(E) Efficiency (Kcal/Wh)	2.43

ASHRAE

(E) Efficiency (W/W) 2.8

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

(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)

Item

- AW277TH-196-A4
- AW277TH-419-A4
- AW277TH-420-A4
- AW277TH-420-A4B
- AW277TH-484-A2
- AW277TH-484-A2S
- AW277TH-484-A4S
- AW277TH-485-A2S
- AW277TH-485-A4S
- AW277TH-412-A4 (Inactive)
- AW277TH-484-A4 (Inactive)
- AW277TH-485-A2 (Inactive)
- AW277TH-485-A4 (Inactive)
- AW277TH-485-A4B (Inactive)