



Model: AWS2512ZXN

Product Description

Compressor Type: Reciprocating

Application: LBP - Low Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 200-220V ~ 50Hz / 208-230V ~ 60Hz

Version: AW Series

Specifications

General

- Evaporating Temp. Range : -40°C to -12.2°C (-40°F to 10°F)
- Motor Torque: High Start Torque (HST)
- Compressor Cooling: Fan

Mechanical

- Weight: 30 KG
- Displacement (cc): 68.03
- Oil Type: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 1140

Electrical

- Locked Rotor Amps (LRA): 91
- Rated Load Amps (RLA 60Hz): 11.7
- Voltage Range (50Hz): 180-242
- Voltage Range (60Hz): 187-254
- Rated Load Amps (RLA 50Hz): 11.3
- Max. Continuous Current (MCC in Amps): 20
- Motor Resistance (Ohm) - Main: 0.68
- Motor Resistance (Ohm) - Start: 1.72
- Motor Type: CSR

Agency Approval

- UL_RECOGNIZED, ISI_LISTED

Performance

[See all performance data](#)

ARI

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	8510
(R) Refrigeration Capacity (Kcal/h)	2145
(R) Refrigeration Capacity (W)	2494
Input Power (W)W	2254
(E) Efficiency (BTU/Wh)	3.78
(E) Efficiency (Kcal/Wh)	.95
(E) Efficiency (W/W)	1.11
EVAP TEMP	-23°C (-10°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

ARI

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	10268
(R) Refrigeration Capacity (Kcal/h)	2588
(R) Refrigeration Capacity (W)	3009
Input Power (W)W	2700
(E) Efficiency (BTU/Wh)	3.8
(E) Efficiency (Kcal/Wh)	.96
(E) Efficiency (W/W)	1.11
EVAP TEMP	-23°C (-10°F)
COND TEMP	49°C (120°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	4.4°C (40°F)
LIQUID TEMP	49°C (120°F)

EN12900

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	5808
(R) Refrigeration Capacity (Kcal/h)	1464
(R) Refrigeration Capacity (W)	1702
Input Power (W)W	1580
(E) Efficiency (BTU/Wh)	3.68
(E) Efficiency (Kcal/Wh)	.93
(E) Efficiency (W/W)	1.08
EVAP TEMP	-35°C (-31°F)
COND TEMP	40°C (104°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	20°C (68°F)
LIQUID TEMP	40°C (104°F)

EN12900

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	6392
(R) Refrigeration Capacity (Kcal/h)	1611
(R) Refrigeration Capacity (W)	1873
Input Power (W)W	1809
(E) Efficiency (BTU/Wh)	3.53
(E) Efficiency (Kcal/Wh)	.89
(E) Efficiency (W/W)	1.04
EVAP TEMP	-35°C (-31°F)
COND TEMP	40°C (104°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	20°C (68°F)
LIQUID TEMP	40°C (104°F)

ASHRAE

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	11500
(R) Refrigeration Capacity (Kcal/h)	2898
(R) Refrigeration Capacity (W)	3370
Input Power (W)W	2300
(E) Efficiency (BTU/Wh)	5
(E) Efficiency (Kcal/Wh)	1.26

ASHRAE

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	13600
(R) Refrigeration Capacity (Kcal/h)	3427
(R) Refrigeration Capacity (W)	3986
Input Power (W)W	2700
(E) Efficiency (BTU/Wh)	5.04
(E) Efficiency (Kcal/Wh)	1.27

ASHRAE

(E) Efficiency (W/W) 1.47

EVAP TEMP -23°C (-10°F)

COND TEMP 54°C (130°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 32°C (90°F)

LIQUID TEMP 32°C (90°F)

ASHRAE

(E) Efficiency (W/W) 1.48

EVAP TEMP -23°C (-10°F)

COND TEMP 54°C (130°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 32°C (90°F)

LIQUID TEMP 32°C (90°F)

Item

- AW459EH-196-A2
- AW459EH-409-A4
- AW459EH-410-A4B
- AW459EH-411-A2
- AW459EH-411-A4
- AW459EH-411-A41
- AW459EH-411-B4
- AW459EH-411-J7
- AW459EH-093-A4 (Inactive)
- AW459EH-409-A2 (Inactive)
- AW459EH-410-A4 (Inactive)
- AW459EH-483-A2S (Inactive)