



**Model: AWS2510ZXN**

### **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):** 63

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 1140

## Electrical

**Locked Rotor Amps (LRA):** 92

**Rated Load Amps (RLA 60Hz):** 9.9

**Voltage Range (50Hz):** 180-242

**Voltage Range (60Hz):** 187-254

**Rated Load Amps (RLA 50Hz):** 10.6

**Max. Continuous Current (MCC in Amps):** 22

**Motor Resistance (Ohm) - Main:** 0.68

**Motor Resistance (Ohm) - Start:** 1.72

**Motor Type:** CSR

## Agency Approval

**ISI\_LISTED**

# Performance

[See all performance data](#)

## ASHRAE

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	11500
(R) Refrigeration Capacity (Kcal/h)	2898
(R) Refrigeration Capacity (W)	3370
Input Power (W)W	2250
(E) Efficiency (BTU/Wh)	5.11
(E) Efficiency (Kcal/Wh)	1.29
(E) Efficiency (W/W)	1.5
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

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	10000
(R) Refrigeration Capacity (Kcal/h)	2520
(R) Refrigeration Capacity (W)	2931
Input Power (W)W	2000
(E) Efficiency (BTU/Wh)	5
(E) Efficiency (Kcal/Wh)	1.26
(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)

## ARI

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	7200
(R) Refrigeration Capacity (Kcal/h)	1815
(R) Refrigeration Capacity (W)	2110
Input Power (W)W	1960
(E) Efficiency (BTU/Wh)	3.67
(E) Efficiency (Kcal/Wh)	.93
(E) Efficiency (W/W)	1.08
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)	8717
(R) Refrigeration Capacity (Kcal/h)	2197
(R) Refrigeration Capacity (W)	2555
Input Power (W)W	2250
(E) Efficiency (BTU/Wh)	3.87
(E) Efficiency (Kcal/Wh)	.98
(E) Efficiency (W/W)	1.14
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)	4900
(R) Refrigeration Capacity (Kcal/h)	1235
(R) Refrigeration Capacity (W)	1436
Input Power (W)W	1360
(E) Efficiency (BTU/Wh)	3.6
(E) Efficiency (Kcal/Wh)	.91

## EN12900

Test Voltage	230V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5220
(R) Refrigeration Capacity (Kcal/h)	1316
(R) Refrigeration Capacity (W)	1530
Input Power (W)W	1440
(E) Efficiency (BTU/Wh)	3.63
(E) Efficiency (Kcal/Wh)	.91

**EN12900**

(E) Efficiency (W/W) 1.06  
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**

(E) Efficiency (W/W) 1.06  
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)

## Item

AW276EH-411-A4

AW621EH-172-A4

AW621EH-172-J7

AW276EH-409-A2 (Inactive)

AW276EH-409-A4 (Inactive)

AW276EH-410-A4 (Inactive)

AW276EH-411-A2 (Inactive)