

Model: AWS4538ZXG

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: 30 KG

Displacement (cc): 63

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 1140

Electrical

Locked Rotor Amps (LRA): 45

Rated Load Amps (RLA 60Hz): 6.3

Voltage Range (50Hz): 342-462

Voltage Range (60Hz): 396-506

Rated Load Amps (RLA 50Hz): 6.1

Max. Continuous Current (MCC in Amps): 8.9

Motor Resistance (Ohm) - Main: 3.95

Motor Type: 3PH

Agency Approval

ISI_LISTED, CCC_LISTED, TIS_LISTED

Performance

[See all performance data](#)

ARI

Test Voltage	380V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	31020
(R) Refrigeration Capacity (Kcal/h)	7818
(R) Refrigeration Capacity (W)	9091
Input Power (W)W	3416
(E) Efficiency (BTU/Wh)	9.08
(E) Efficiency (Kcal/Wh)	2.29
(E) Efficiency (W/W)	2.66
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)	36657
(R) Refrigeration Capacity (Kcal/h)	9238
(R) Refrigeration Capacity (W)	10744
Input Power (W)W	4116
(E) Efficiency (BTU/Wh)	8.91
(E) Efficiency (Kcal/Wh)	2.24
(E) Efficiency (W/W)	2.61
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)	27906
(R) Refrigeration Capacity (Kcal/h)	7033
(R) Refrigeration Capacity (W)	8179
Input Power (W)W	3195
(E) Efficiency (BTU/Wh)	8.73
(E) Efficiency (Kcal/Wh)	2.2
(E) Efficiency (W/W)	2.56
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)	32923
(R) Refrigeration Capacity (Kcal/h)	8297
(R) Refrigeration Capacity (W)	9649
Input Power (W)W	3860
(E) Efficiency (BTU/Wh)	8.53
(E) Efficiency (Kcal/Wh)	2.15
(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)

ASHRAE

Test Voltage	380V 3~ 50HZ
(R) Refrigeration Capacity (BTU/h)	33500
(R) Refrigeration Capacity (Kcal/h)	8443
(R) Refrigeration Capacity (W)	9818
Input Power (W)W	3450
(E) Efficiency (BTU/Wh)	9.71
(E) Efficiency (Kcal/Wh)	2.45

ASHRAE

Test Voltage	460V 3~ 60HZ
(R) Refrigeration Capacity (BTU/h)	40150
(R) Refrigeration Capacity (Kcal/h)	10118
(R) Refrigeration Capacity (W)	11767
Input Power (W)W	4200
(E) Efficiency (BTU/Wh)	9.56
(E) Efficiency (Kcal/Wh)	2.41

ASHRAE

(E) Efficiency (W/W) 2.85

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) 2.8

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)

Item

AW249JH-483-A2

AW249JH-483-A2S

AW249TH-196-A4

AW249TH-404-A4

AW249TH-404-A4S

AW249TH-405-A4

AW249TH-405-A4B

AW249TH-408-A4

AW249TH-480-A2S

AW249TH-480-A4S

AW249TH-481-A2S

AW249TH-481-A4

AW249TH-481-A4B

AW249TH-481-A4S

AW4ZV1UH044A

AW4ZV1UH196A

AW4ZV1UH404A

AW4ZV1UH405A

AW4ZV1UH-406-A4

AW249TH-064-A4 (Inactive)

AW249TH-064-A4S (Inactive)

AW249TH-181-A4 (Inactive)

AW249TH-182-A4 (Inactive)

AW249TH-405-A4BS (Inactive)

AW249TH-405-A4S (Inactive)

AW249TH-408-A4S (Inactive)

AW249TH-480-A2 (Inactive)

AW249TH-480-A4 (Inactive)

AW249TH-481-A2 (Inactive)

AW249TH-481-A4 (Inactive)