



Model: FH4525N-XG1A

(FH4525N-XG)

Product Description

Compressor Type: Reciprocating

Application: HBP - High Back Pressure

Refrigerant: R-134a/R-1234yf/R-513A

Voltage/Frequency: 380-420V 3~ 50Hz / 460V 3~ 60Hz

Version: FH2 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): 63

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 1140

Electrical

Locked Rotor Amps (LRA): 26

Rated Load Amps (RLA 60Hz): 3.3

Voltage Range (50Hz): 342-462

Voltage Range (60Hz): 396-506

Rated Load Amps (RLA 50Hz): 3.33

Max. Continuous Current (MCC in Amps): 5.4

Motor Resistance (Ohm) - Main: 7.05

Motor Type: 3PH

Agency Approval

VDE_LISTED, CE_LISTED, CCC_LISTED

Performance

[See all performance data](#)

EN12900 (R-513A)

| | |
|-------------------------------------|--------------|
| Test Voltage | 380V 3~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 9540 |
| (R) Refrigeration Capacity (Kcal/h) | 2404.08 |
| (R) Refrigeration Capacity (W) | 2795.93 |
| Input Power (W)W | 1340 |
| (E) Efficiency (BTU/Wh) | 7.12 |
| (E) Efficiency (Kcal/Wh) | 1.79 |
| (E) Efficiency (W/W) | 2.09 |
| EVAP TEMP | -10°C (14°F) |
| COND TEMP | 45°C (113°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 45°C (113°F) |

EN12900 (R-513A)

| | |
|-------------------------------------|--------------|
| Test Voltage | 460V 3~ 60HZ |
| (R) Refrigeration Capacity (BTU/h) | 11014 |
| (R) Refrigeration Capacity (Kcal/h) | 2775.53 |
| (R) Refrigeration Capacity (W) | 3227.92 |
| Input Power (W)W | 1590 |
| (E) Efficiency (BTU/Wh) | 6.93 |
| (E) Efficiency (Kcal/Wh) | 1.75 |
| (E) Efficiency (W/W) | 2.03 |
| EVAP TEMP | -10°C (14°F) |
| COND TEMP | 45°C (113°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 45°C (113°F) |

EN12900 (R-1234yf)

| | |
|-------------------------------------|--------------|
| Test Voltage | 380V 3~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 9133 |
| (R) Refrigeration Capacity (Kcal/h) | 2301.52 |
| (R) Refrigeration Capacity (W) | 2676.65 |
| Input Power (W)W | 1326 |
| (E) Efficiency (BTU/Wh) | 6.89 |
| (E) Efficiency (Kcal/Wh) | 1.74 |
| (E) Efficiency (W/W) | 2.02 |
| EVAP TEMP | -10°C (14°F) |
| COND TEMP | 45°C (113°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 45°C (113°F) |

ASHRAE (R-1234yf)

| | |
|-------------------------------------|--------------|
| Test Voltage | 460V 3~ 60HZ |
| (R) Refrigeration Capacity (BTU/h) | 10237 |
| (R) Refrigeration Capacity (Kcal/h) | 2579.72 |
| (R) Refrigeration Capacity (W) | 3000.21 |
| Input Power (W)W | 1559 |
| (E) Efficiency (BTU/Wh) | 6.57 |
| (E) Efficiency (Kcal/Wh) | 1.65 |
| (E) Efficiency (W/W) | 1.92 |
| EVAP TEMP | -10°C (14°F) |
| COND TEMP | 45°C (113°F) |
| AMBIENT TEMP | 32°C (90°F) |
| RETURN GAS | 20°C (68°F) |
| LIQUID TEMP | 45°C (113°F) |

EN12900 (R-134a)

| | |
|-------------------------------------|--------------|
| Test Voltage | 380V 3~ 50HZ |
| (R) Refrigeration Capacity (BTU/h) | 9173 |
| (R) Refrigeration Capacity (Kcal/h) | 2311.6 |
| (R) Refrigeration Capacity (W) | 2688.37 |
| Input Power (W)W | 1269 |
| (E) Efficiency (BTU/Wh) | 7.23 |
| (E) Efficiency (Kcal/Wh) | 1.82 |

EN12900 (R-134a)

| | |
|-------------------------------------|--------------|
| Test Voltage | 460V 3~ 60HZ |
| (R) Refrigeration Capacity (BTU/h) | 10655 |
| (R) Refrigeration Capacity (Kcal/h) | 2685.06 |
| (R) Refrigeration Capacity (W) | 3122.71 |
| Input Power (W)W | 1551 |
| (E) Efficiency (BTU/Wh) | 6.87 |
| (E) Efficiency (Kcal/Wh) | 1.73 |

EN12900 (R-134a)

(E) Efficiency (W/W) 2.12

EVAP TEMP -10°C (14°F)

COND TEMP 45°C (113°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 20°C (68°F)

LIQUID TEMP 45°C (113°F)

EN12900 (R-134a)

(E) Efficiency (W/W) 2.01

EVAP TEMP -10°C (14°F)

COND TEMP 45°C (113°F)

AMBIENT TEMP 32°C (90°F)

RETURN GAS 20°C (68°F)

LIQUID TEMP 45°C (113°F)

Item

FH4NF1UF614A15

FH4NF1UF715A24

FH4NF1UF715A24-M

FH4NF1UF715A26

FH4NF1UF715A26-M