



Model: THK4430YGS

Product Description

Compressor Type: Reciprocating

Application: HBP - High Back Pressure

Refrigerant: R-134a

Voltage/Frequency: 220V ~ 50Hz / 220V ~ 60Hz

Version: TH Series

Specifications

General

Evaporating Temp. Range :-6.7°C to 12.8°C (20°F to 55°F)

Motor Torque: High Start Torque (HST)

Compressor Cooling: Fan

Mechanical

Weight: 9 KG

Displacement (cc): 8.21

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 270

Electrical

Locked Rotor Amps (LRA): 12

Rated Load Amps (RLA 60Hz): 1.95

Voltage Range (50Hz): 180-242

Voltage Range (60Hz): 198-242

Rated Load Amps (RLA 50Hz): 1.8

Max. Continuous Current (MCC in Amps): 3.6

Motor Resistance (Ohm) - Main: 7.4

Motor Resistance (Ohm) - Start: 12.7

Motor Type: CSR

Agency Approval

UL_RECOGNIZED, CE_LISTED, CCC_LISTED

Performance

[See all performance data](#)

ASHRAE (R-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2850
(R) Refrigeration Capacity (Kcal/h)	718
(R) Refrigeration Capacity (W)	835
Input Power (W)W	347
(E) Efficiency (BTU/Wh)	8.21
(E) Efficiency (Kcal/Wh)	2.07
(E) Efficiency (W/W)	2.41
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 (R-134a)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	3300
(R) Refrigeration Capacity (Kcal/h)	831
(R) Refrigeration Capacity (W)	967
Input Power (W)W	400
(E) Efficiency (BTU/Wh)	8.3
(E) Efficiency (Kcal/Wh)	2.1
(E) Efficiency (W/W)	2.4
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

- 14963672
- 14964272
- TH830EH-010-A4
- TH830LF-010-A4
- TH830JF-010-AE3 (Discontinued)
- TH830JF-010-AA4 (Inactive)
- TH830LF-010-AE3 (Inactive)
- TH830LF-010-BA4 (Inactive)