

Model: TC4430Y-FZ1B

Product Description

Compressor Type: Reciprocating

Application: HBP - High Back Pressure

Refrigerant: R-134a

Voltage/Frequency: 220-240V ~ 50Hz

Version: TC 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: 9 KG
- Displacement (cc): 7.84
- Oil Type: Polyvinylether
- Viscosity (cSt): 32
- Oil Charge (cc): 174

Electrical

- Locked Rotor Amps (LRA): 12
- Rated Load Amps (RLA 60Hz): 0
- Voltage Range (50Hz): 198-253
- Rated Load Amps (RLA 50Hz): 2.01
- Max. Continuous Current (MCC in Amps): 0
- Motor Resistance (Ohm) - Main: 10.1
- Motor Resistance (Ohm) - Start: 20.85
- Motor Type: CSIR

Agency Approval

- VDE_LISTED, CCC_LISTED, GOST_LISTED, GOST_UKR_LISTED

Performance

[See all performance data](#)

ASHRAE

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2800
(R) Refrigeration Capacity (Kcal/h)	706
(R) Refrigeration Capacity (W)	821
Input Power (W)W	340
(E) Efficiency (BTU/Wh)	8.24
(E) Efficiency (Kcal/Wh)	2.08
(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 ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	1590
(R) Refrigeration Capacity (Kcal/h)	401
(R) Refrigeration Capacity (W)	466
Input Power (W)W	259
(E) Efficiency (BTU/Wh)	6.14
(E) Efficiency (Kcal/Wh)	1.55
(E) Efficiency (W/W)	1.8
EVAP TEMP	-6.7°C (20°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

- TC1001BR (Discontinued)
- TC-1001-E (Discontinued)
- TC1100BR (Inactive)
- TC-1100-E (Inactive)