

Model: TC4440U-FZ1B

Product Description

Compressor Type: Reciprocating

Application: HBP - High Back Pressure

Refrigerant: R-290

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: Polyolester
- Viscosity (cSt): 32
- Oil Charge (cc): 174

Electrical

- Locked Rotor Amps (LRA): 14.5
- Rated Load Amps (RLA 60Hz): 0
- Voltage Range (50Hz): 198-253
- Rated Load Amps (RLA 50Hz): 2.71
- Max. Continuous Current (MCC in Amps): 0
- Motor Resistance (Ohm) - Main: 7.18
- Motor Resistance (Ohm) - Start: 18.42
- Motor Type: CSIR

Agency Approval

- VDE_LISTED, CE_LISTED, GOST_LISTED, TIS_LISTED

Performance

[See all performance data](#)

ASHRAE (R-290)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2280
(R) Refrigeration Capacity (Kcal/h)	575
(R) Refrigeration Capacity (W)	668
Input Power (W)W	373
(E) Efficiency (BTU/Wh)	6.11
(E) Efficiency (Kcal/Wh)	1.54
(E) Efficiency (W/W)	1.79
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)

ASHRAE

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	3710
(R) Refrigeration Capacity (Kcal/h)	935
(R) Refrigeration Capacity (W)	1087
Input Power (W)W	445
(E) Efficiency (BTU/Wh)	8.34
(E) Efficiency (Kcal/Wh)	2.1
(E) Efficiency (W/W)	2.44
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

- TC-1077-E
- TC1114BR
- TC-1114-E
- TC-1114-E-SP
- TC-1054-E (Discontinued)
- TC1054BR (Inactive)
- TC1077BR (Inactive)