

Model: TCW413Y-FZ8E

Product Description

Compressor Type: Reciprocating

Application: MBP/LBP - Medium/Low Back Pressure

Refrigerant: R-134a

Voltage/Frequency: 220-240V ~ 50Hz

Version: TC Series

Specifications

General

Evaporating Temp. Range :-35°C to -5°C (-31°F to 23°F)

Motor Torque: Low Start Torque (LST)

Compressor Cooling: Fan

Mechanical

Weight: 9 KG

Displacement (cc): 10.87

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 174

Electrical

Locked Rotor Amps (LRA): 13.5

Rated Load Amps (RLA 60Hz): 0

Voltage Range (50Hz): 198-253

Rated Load Amps (RLA 50Hz): 2.1

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 9.11

Motor Resistance (Ohm) - Start: 8.07

Motor Type: CSIR

Agency Approval

CE_LISTED, ISI_LISTED

Performance

[See all performance data](#)

ASHRAE

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	1025
(R) Refrigeration Capacity (Kcal/h)	258
(R) Refrigeration Capacity (W)	300
Input Power (W)	225.8
(E) Efficiency (BTU/Wh)	4.54
(E) Efficiency (Kcal/Wh)	1.14
(E) Efficiency (W/W)	1.33
EVAP TEMP	-23°C (-10°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	32°C (90°F)
LIQUID TEMP	32°C (90°F)

ASHRAE (R-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	2370
(R) Refrigeration Capacity (Kcal/h)	597
(R) Refrigeration Capacity (W)	695
Input Power (W)	352.2
(E) Efficiency (BTU/Wh)	6.73
(E) Efficiency (Kcal/Wh)	1.7
(E) Efficiency (W/W)	1.97
EVAP TEMP	-6.7°C (20°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	32°C (90°F)
LIQUID TEMP	32°C (90°F)

Item

TC1129BR

TC-1129-E

TC1131BR

TC-1131-E

TC1223BR

TC-1223-E

TC1251BR

TC-1251-E

TC1427BR

TC-1427-E

TC1138BR (Discontinued)

TC-1138-E (Discontinued)

TC1150BR (Discontinued)

TC-1150-E (Discontinued)