

**Model: TCX413U-DS1B**

**Product Description**

**Compressor Type:** Reciprocating

**Application:** MBP/LBP - Medium/Low Back Pressure

**Refrigerant:** R-290

**Voltage/Frequency:** 115-127V ~ 60Hz

**Version:** TC Series

# Specifications

## General

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

**Motor Torque**: High Start Torque (HST)

**Compressor Cooling**: Fan

## Mechanical

**Weight**: 9 KG

**Displacement (cc)**: 6.93

**Oil Type**: Polyolester

**Viscosity (cSt)**: 10

**Oil Charge (cc)**: 174

## Electrical

**Locked Rotor Amps (LRA)**: 29

**Rated Load Amps (RLA 60Hz)**: 3.88

**Voltage Range (60Hz)**: 100-140

**Rated Load Amps (RLA 50Hz)**: 0

**Max. Continuous Current (MCC in Amps)**: 4.91

**Motor Resistance (Ohm) - Main**: 2.23

**Motor Resistance (Ohm) - Start**: 4.96

**Motor Type**: CSIR

## Agency Approval

**cURus\_RECOGNIZED**

## Performance

[See all performance data](#)

### ASHRAE (R-290)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1310
(R) Refrigeration Capacity (Kcal/h)	330
(R) Refrigeration Capacity (W)	384
Input Power (W)	249
(E) Efficiency (BTU/Wh)	5.25
(E) Efficiency (Kcal/Wh)	1.32
(E) Efficiency (W/W)	1.54
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

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2700
(R) Refrigeration Capacity (Kcal/h)	680
(R) Refrigeration Capacity (W)	791
Input Power (W)	355
(E) Efficiency (BTU/Wh)	7.61
(E) Efficiency (Kcal/Wh)	1.92
(E) Efficiency (W/W)	2.23
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

TC1010BR

TC-1010-E

TC1037BR

TC-1037-E

TC1037E-038-A4

TC1037E-038-J7

TC1047BR

TC-1047-E

TC1215BR

TC-1215-E

TC1215E-038-J7

TC1027BR (Discontinued)

TC-1027-E (Discontinued)

TC1110BR (Discontinued)

TC-1110-E (Discontinued)

TC1027E-037-A4 (Inactive)

TC1102BR (Inactive)

TC-1102-E (Inactive)