

Model: TCX415U-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): 7.84

Oil Type: Polyolester

Viscosity (cSt): 10

Oil Charge (cc): 174

Electrical

Locked Rotor Amps (LRA): 30.5

Rated Load Amps (RLA 60Hz): 4.37

Voltage Range (60Hz): 100-140

Rated Load Amps (RLA 50Hz): 0

Max. Continuous Current (MCC in Amps): 5.22

Motor Resistance (Ohm) - Main: 2.114

Motor Resistance (Ohm) - Start: 5.044

Motor Type: CSIR

Agency Approval

CE_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-290)

Test Voltage	115V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1470
(R) Refrigeration Capacity (Kcal/h)	370
(R) Refrigeration Capacity (W)	431
Input Power (W)	284
(E) Efficiency (BTU/Wh)	5.17
(E) Efficiency (Kcal/Wh)	1.3
(E) Efficiency (W/W)	1.51
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)	3000
(R) Refrigeration Capacity (Kcal/h)	756
(R) Refrigeration Capacity (W)	879
Input Power (W)	402.7
(E) Efficiency (BTU/Wh)	7.45
(E) Efficiency (Kcal/Wh)	1.88
(E) Efficiency (W/W)	2.18
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

TC1005BR

TC-1005-E

TC1038BR

TC-1038-E

TC1180BR

TC-1180-E

TC1214BR

TC-1214-E

TC1214E-038-J7

TC1028BR (Discontinued)

TC-1028-E (Discontinued)

TC1038E-038-J7 (Discontinued)

TC1048BR (Discontinued)

TC-1048-E (Discontinued)

TC1176BR (Discontinued)

TC-1176-E (Discontinued)

TC1028E-037-A4 (Inactive)

TC1038E-038-A4 (Inactive)