

Model: TCW413U-GS8E

Product Description

Compressor Type: Reciprocating

Application: MBP/LBP - Medium/Low Back Pressure

Refrigerant: R-290

Voltage/Frequency: 220V ~ 50Hz / 220V ~ 60Hz

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): 6.93

Oil Type: Polyolester

Viscosity (cSt): 10

Oil Charge (cc): 174

Electrical

Locked Rotor Amps (LRA): 13

Rated Load Amps (RLA 60Hz): 1.94

Voltage Range (50Hz): 180-242

Voltage Range (60Hz): 187-242

Rated Load Amps (RLA 50Hz): 2.03

Max. Continuous Current (MCC in Amps): 2.67

Motor Resistance (Ohm) - Main: 8.56

Motor Resistance (Ohm) - Start: 13.54

Motor Type: CSIR

Agency Approval

CE_LISTED, GOST_LISTED, cURus_RECOGNIZED

Performance

[See all performance data](#)

ASHRAE (R-290)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1300
(R) Refrigeration Capacity (Kcal/h)	328
(R) Refrigeration Capacity (W)	381
Input Power (W)W	244
(E) Efficiency (BTU/Wh)	5.33
(E) Efficiency (Kcal/Wh)	1.34
(E) Efficiency (W/W)	1.56
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-290)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	1140
(R) Refrigeration Capacity (Kcal/h)	287
(R) Refrigeration Capacity (W)	334
Input Power (W)W	231
(E) Efficiency (BTU/Wh)	4.92
(E) Efficiency (Kcal/Wh)	1.24
(E) Efficiency (W/W)	1.44
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)

EN12900 (R-290)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	1959
(R) Refrigeration Capacity (Kcal/h)	494
(R) Refrigeration Capacity (W)	574
Input Power (W)W	268
(E) Efficiency (BTU/Wh)	7.31
(E) Efficiency (Kcal/Wh)	1.84
(E) Efficiency (W/W)	2.14
EVAP TEMP	-10°C (14°F)
COND TEMP	45°C (113°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	20°C (68°F)
LIQUID TEMP	45°C (113°F)

EN12900 (R-290)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2286
(R) Refrigeration Capacity (Kcal/h)	576
(R) Refrigeration Capacity (W)	670
Input Power (W)W	304
(E) Efficiency (BTU/Wh)	7.52
(E) Efficiency (Kcal/Wh)	1.89
(E) Efficiency (W/W)	2.21
EVAP TEMP	-10°C (14°F)
COND TEMP	45°C (113°F)
AMBIENT TEMP	32°C (90°F)
RETURN GAS	20°C (68°F)
LIQUID TEMP	45°C (113°F)

Item

TC1075BR

TC-1075-E

TC1075E-038-J7

TC1137BR

TC-1137-E

TC-1137-E-SP

TC1086BR (Discontinued)

TC-1086-E (Discontinued)

TC1107BR (Discontinued)

TC-1107-E (Discontinued)

TC1064BR (Inactive)

TC-1064-E (Inactive)

TC1075E-038-A4 (Inactive)

TC1091BR (Inactive)

TC-1091-E (Inactive)

TC1207BR (Inactive)

TC-1207-E (Inactive)