

**Model: TCW413Y-ES8E**

**Product Description**

**Compressor Type:** Reciprocating

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

**Refrigerant:** R-134a

**Voltage/Frequency:** 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)**: 10.87

**Oil Type**: Polyolester

**Viscosity (cSt)**: 32

**Oil Charge (cc)**: 174

## Electrical

**Locked Rotor Amps (LRA)**: 15

**Rated Load Amps (RLA 60Hz)**: 2.41

**Voltage Range (60Hz)**: 187-242

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

**Max. Continuous Current (MCC in Amps)**: 0

**Motor Resistance (Ohm) - Main**: 7.09

**Motor Resistance (Ohm) - Start**: 10.53

**Motor Type**: CSIR

# Performance

[See all performance data](#)

## ASHRAE

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	1170
(R) Refrigeration Capacity (Kcal/h)	295
(R) Refrigeration Capacity (W)	343
Input Power (W)	251
(E) Efficiency (BTU/Wh)	4.66
(E) Efficiency (Kcal/Wh)	1.17
(E) Efficiency (W/W)	1.37
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 ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	2755
(R) Refrigeration Capacity (Kcal/h)	694
(R) Refrigeration Capacity (W)	807
Input Power (W)	423
(E) Efficiency (BTU/Wh)	6.51
(E) Efficiency (Kcal/Wh)	1.64
(E) Efficiency (W/W)	1.91
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

TC1056BR

TC-1056-E

TC1092BR

TC-1092-E

TC1120BR

TC-1120-E

TC1123BR

TC-1123-E

TC1171BR

TC-1171-E

TC1126BR (Discontinued)

TC-1126-E (Discontinued)

TC1218BR (Inactive)

TC-1218-E (Inactive)