

Model: TCW390Y-GS8E

Product Description

Compressor Type: Reciprocating

Application: MBP/LBP - Medium/Low Back Pressure

Refrigerant: R-134a

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): 7.84

Oil Type: Polyolester

Viscosity (cSt): 32

Oil Charge (cc): 174

Electrical

Locked Rotor Amps (LRA): 11.5

Rated Load Amps (RLA 60Hz): 1.58

Voltage Range (50Hz): 180-242

Voltage Range (60Hz): 187-242

Rated Load Amps (RLA 50Hz): 1.64

Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) - Main: 8.52

Motor Resistance (Ohm) - Start: 21.1

Motor Type: CSIR

Performance

[See all performance data](#)

ASHRAE

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	960
(R) Refrigeration Capacity (Kcal/h)	242
(R) Refrigeration Capacity (W)	281
Input Power (W)W	183
(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	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	810
(R) Refrigeration Capacity (Kcal/h)	204
(R) Refrigeration Capacity (W)	237
Input Power (W)W	167.5
(E) Efficiency (BTU/Wh)	4.84
(E) Efficiency (Kcal/Wh)	1.22
(E) Efficiency (W/W)	1.42
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)	2115
(R) Refrigeration Capacity (Kcal/h)	533
(R) Refrigeration Capacity (W)	620
Input Power (W)W	283.5
(E) Efficiency (BTU/Wh)	7.46
(E) Efficiency (Kcal/Wh)	1.88
(E) Efficiency (W/W)	2.19
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)

ASHRAE (R-134a)

Test Voltage	220V ~ 50HZ
(R) Refrigeration Capacity (BTU/h)	1840
(R) Refrigeration Capacity (Kcal/h)	464
(R) Refrigeration Capacity (W)	539
Input Power (W)W	247
(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

- TC1145BR
- TC-1145-E
- TC1160BR (Inactive)
- TC-1160-E (Inactive)
- TC1179BR (Inactive)
- TC-1179-E (Inactive)