



**TCW410U-MR3B**

**Product Family :**  
TC

**Application :**  
LBP, MBP

**Status :**  
Active

**Voltage :**  
208-230V 1PH 60Hz, 220-240V 1PH 50Hz

**Refrigerant :**  
R-290

**Product Technology :**  
Reciprocating

**TC Series Reciprocating Compressor**

<b>Project Name:</b>	
<b>Customer Name:</b>	
<b>Item Number:</b>	
<b>Refrigerant:</b>	
<b>Job Location:</b>	
<b>Date:</b>	



# PRODUCT SPECIFICATION

## Agency Approval

Agency: ISI

## Mechanical

Displacement (CC): 6.06

Compressor Cooling: Fan

Oil Charge: 170 cc

Oil Type: Polyolester

Viscosity: 10

## General

Horse Power: 1/4 HP

Motor Torque: Low Start Torque (LST)

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

## Electrical

LRA: 17.3

Motor Type: PTCS\_CR

MCC: 2.54

Motor Resistance - Main: 11.5

Motor Resistance Start: 14.5

RLA 50HZ: 1.42

RLA 60HZ: 1.46

Voltage Frequency: 50Hz~60Hz

Voltage Range 50Hz: 160to260

Voltage Range 60Hz: 187to254



## PERFORMANCE

Performance Data shown here is calculated and is for reference purposes. For actual performance data at specific rated conditions please click on the Performance Calculator button below the table. The performance calculator is only available for Fixed Speed Compressors and Condensing Units. If you do not see performance data here, please contact Customer Service for assistance.

### REFRIGERANT: R290 FREQUENCY: 50HZ

Operating conditions	Application	Capacity (W)	Capacity (Btu/h)	Capacity (Kcal/h)
ARI 520-90 -10°F, 120°F -23°C, 48°C	L-MBP	231	789	199
ARI 540-97 -25°F, 105°F -31°C, 40°C	L-MBP	178	610	153
ASHRAE -10°F, 130°F -23°C, 54°C	L-MBP	288	983	247
CECOMAF -13°F, 131°F -25°C, 55°C	L-MBP	214	731	184
EN12900 -31°F, 104°F -35°C, 40°C	L-MBP	158	541	136





### REFRIGERANT: R290 FREQUENCY: 60HZ


Operating conditions	Application	Capacity (W)	Capacity (Btu/h)	Capacity (Kcal/h)
ARI 520-90 -10°F, 120°F -23°C, 48°C	L-MBP	277	947	238
ARI 540-97 -25°F, 105°F -31°C, 40°C	L-MBP	214	732	184
ASHRAE -10°F, 130°F -23°C, 54°C	L-MBP	346	1180	297
CECOMAF -13°F, 131°F -25°C, 55°C	L-MBP	257	878	221
EN12900 -31°F, 104°F -35°C, 40°C	L-MBP	190	650	164

Looking for the complete set of Performance Data for this product? Please see our Performance Calculator.



## ITEMS SPECIFICATIONS

	TCWUD1CH-501-A20	TCWUD1DH-503-A20	TCWUD4CH-037-A20	TCWUD4CH-507-A20	TCWUD2DH-503
<b>Documentation</b>					
<b>Drawing_EN</b>					
<b>Specification</b>					
<b>Status</b>	Active	Active	Active	Active	Active
<b>Global Model</b>	TCW410U-MR3B	TCW410U-MR3B	TCW410U-MR3B	TCW410U-MR3B	TCW410U-MR3B
<b>Overload Type</b>	External	External	External	External	
<b>Relay Type</b>	PTC Relay	PTC Relay	PTC Relay	PTC Relay	
<b>Packaging</b>	MULTI	MULTI	MULTI	MULTI	MULTI
<b>Grommet</b>	Y	Y	Y	Y	
<b>Overload</b>	Y	Y	Y	Y	
<b>Run Capacitor</b>	Y	Y	Y	Y	
<b>Terminal Cover</b>	Y	Y	Y	Y	
<b>Weight</b>		8KG(18LB)	8KG(18LB)		

	<b>TCWUD2DH-503-A20</b>	<b>REJTCWUD2DH-503</b>	<b>REJTCWUD4CH-037</b>	<b>REJTCWUD4CH-507</b>
<b>Documentation</b>				
<b>Drawing_EN</b>				
<b>Specification</b>				
<b>Status</b>	Active	Active	Active	Active
<b>Global Model</b>	TCW410U-MR3B	TCW410U-MR3B	TCW410U-MR3B	TCW410U-MR3B
<b>Overload Type</b>	External			
<b>Relay Type</b>	PTC Relay			
<b>Packaging</b>	MULTI	MULTI	MULTI	MULTI
<b>Grommet</b>	Y			
<b>Overload</b>	Y			
<b>Run Capacitor</b>	Y			
<b>Terminal Cover</b>	Y			
<b>Weight</b>	8KG(18LB)	9KG(20LB)	9KG(20LB)	9KG(20LB)

