



Project Name:	
Customer Name:	
Item Number:	
Refrigerant:	
Job Location:	
Date:	

**TCW413Y-DT8K**

**Product Family :**  
**TC**

**Application :**  
**LBP, MBP**

**Voltage :**  
**115-127V 1PH 60Hz**

**Refrigerant :**  
**R-134a**

**Product Technology :**  
**Reciprocating**

**TC Series Reciprocating Compressor**



## PRODUCT SPECIFICATION

### AGENCY APPROVAL

Agency: CE, CURUS, SGS

### MECHANICAL

Displacement (CC): 10.03

Compressor Cooling: Fan

Oil Charge: 220 cc

Oil Type: Polyolester

Viscosity: 10

### GENERAL

Horse Power: 1/3 HP

Motor Torque: Low Start Torque (LST)

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

### ELECTRICAL

LRA: 33.5

Motor Type: CSIR

MCC: 4.98

Motor Resistance - Main: 2.197

Motor Resistance Start: 4.245

RLA 60HZ: 3.12

Voltage Range 60Hz: 103to134



## 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: R134A 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	273	932	235
ARI 540-97 -25°F, 105°F -31°C, 40°C	L-MBP	199	678	171
ASHRAE -10°F, 130°F -23°C, 54°C	L-MBP	341	1165	293
CECOMAF -13°F, 131°F -25°C, 55°C	L-MBP	252	859	216
EN12900 -31°F, 104°F -35°C, 40°C	L-MBP	176	601	151

### 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	273	932	235
ARI 540-97 -25°F, 105°F -31°C, 40°C	L-MBP	198	676	170
ASHRAE -10°F, 130°F -23°C, 54°C	L-MBP	344	1173	295
CECOMAF -13°F, 131°F -25°C, 55°C	L-MBP	253	863	217
EN12900 -31°F, 104°F -35°C, 40°C	L-MBP	175	599	151



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



## ITEMS SPECIFICATIONS

If an item you want is not available in your region, please contact your Customer Representative to discuss purchase options

	TC1263BR (TC-8206-BR)	TC-1263-E (TC-8206-BR)	TC1288BR (TC-8206-BR)	TC-1288-E (TC-8206-BR)	TC1299BR (TC-8206-BR)
Documentation					
Drawing_EN					
Drawing_PT					
Specification					
Status	Active	Active	Active	Active	Active
Overload Type	External	External	External	External	External
Relay Type	Current Relay	Current Relay	Current Relay	Current Relay	Current Relay
Packaging	MULTI	MULTI	SINGLE	SINGLE	SINGLE
Length	294 MM(12IN)	247.8 MM(10IN)	294 MM(12IN)	247.8 MM(10IN)	294 MM(12IN)
Height	161 MM(6IN)	183 MM(7IN)	161 MM(6IN)	183 MM(7IN)	161 MM(6IN)
Width	209 MM(8IN)	167.32 MM(7IN)	209 MM(8IN)	167.32 MM(7IN)	209 MM(8IN)
Weight	8KG(18LB)	8KG(18LB)	8KG(18LB)	8KG(18LB)	8KG(18LB)
Discharge Line Size	3/8_IN	1/4_IN	3/8_IN	1/4_IN	3/8_IN
Suction Line Size	3/8 in (9.52mm)	5/16_IN	3/8 in (9.52mm)	5/16_IN	3/8 in (9.52mm)
Grommet	Y	Y	Y	Y	Y
Overload	Y	Y	Y	Y	Y
Run Capacitor	Y	N	Y	N	Y
Start Capacitor	Y	Y	Y	Y	Y
Terminal Cover	Y	Y	Y	Y	Y

	<b>TC-1299-E (TC-8206-BR)</b>
<b>Documentation</b>	
<b>Drawing_EN</b>	
<b>Drawing_PT</b>	
<b>Specification</b>	
<b>Status</b>	<b>Active</b>
<b>Overload Type</b>	<b>External</b>
<b>Relay Type</b>	<b>Current Relay</b>
<b>Packaging</b>	<b>SINGLE</b>
<b>Length</b>	<b>247.8 MM(10IN)</b>
<b>Height</b>	<b>183 MM(7IN)</b>
<b>Width</b>	<b>167.32 MM(7IN)</b>
<b>Weight</b>	<b>8KG(18LB)</b>
<b>Discharge Line Size</b>	<b>1/4_IN</b>
<b>Suction Line Size</b>	<b>5/16_IN</b>
<b>Grommet</b>	<b>Y</b>
<b>Overload</b>	<b>Y</b>
<b>Run Capacitor</b>	<b>N</b>
<b>Start Capacitor</b>	<b>Y</b>
<b>Terminal Cover</b>	<b>Y</b>

