



**AE4460Y-GS3C(AE4460Y-GS)**

**Product Family :**

**AE**

**Application :**

**CBP, HBP**

**Status :**

**Active**

**Voltage :**

**220V 1PH 50Hz, 220V 1PH 60Hz**

**Refrigerant :**

**R-134a**

**Product Technology :**

**Reciprocating**

**AE 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: CE, CURUS, SASO, SGS

## Mechanical

Displacement (CC): 15.09

Compressor Cooling: Fan

Oil Charge: 366.3 cc

Oil Type: Polyolester

Viscosity: 32

## Documents

Acoustic50\_FR

Acoustic60\_FR

## General

Horse Power: 1/2 HP

Motor Torque: High Start Torque (HST)

Evaporating Range: -15°C to 15°C (5°F to 59°F)

## Electrical

LRA: 17.5

Motor Type: CSR

MCC: 5.36

Motor Resistance - Main: 3.27

Motor Resistance Start: 16.936

RLA 50HZ: 3.18

RLA 60HZ: 3.66

Voltage Frequency: 50Hz~60Hz

Voltage Range 50Hz: 180to242

Voltage Range 60Hz: 187to242



## 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: 50HZ

Operating conditions	Application	Capacity (W)	Capacity (Btu/h)	Capacity (Kcal/h)
ARI 520-90 20°F, 120°F -6°C, 48°C	CBP/HBP (M-HBP)	754	2573	648
ARI 540-97 20°F, 120°F -6°C, 48°C	CBP/HBP (M-HBP)	754	2573	648
ASHRAE 45°F, 130°F 7°C, 54°C	CBP/HBP (M-HBP)	1538	5245	1323
CECOMAF 41°F, 131°F 5°C, 55°C	CBP/HBP (M-HBP)	1269	4327	1091
EN12900 41°F, 122°F 5°C, 50°C	CBP/HBP (M-HBP)	1300	4435	1118











### REFRIGERANT: R134A FREQUENCY: 60HZ


Operating conditions	Application	Capacity (W)	Capacity (Btu/h)	Capacity (Kcal/h)
ARI 520-90 20°F, 120°F -6°C, 48°C	CBP/HBP (M-HBP)	908	3098	781
ARI 540-97 20°F, 120°F -6°C, 48°C	CBP/HBP (M-HBP)	908	3098	781
ASHRAE 45°F, 130°F 7°C, 54°C	CBP/HBP (M-HBP)	1862	6350	1601
CECOMAF 41°F, 131°F 5°C, 55°C	CBP/HBP (M-HBP)	1556	5306	1338
EN12900 41°F, 122°F 5°C, 50°C	CBP/HBP (M-HBP)	1561	5324	1342

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



## ITEMS SPECIFICATIONS

	<b>AE-1208-BF (AE-2004-E)</b>	<b>AE-1208-BF-M (AE-2004-E)</b>	<b>AE-1419-E (AE-8255-BR)</b>	<b>AE-1605-E (AE-8255-BR)</b>	<b>AE-1655-E (AE-8255-BR)</b>
<b>Documentation</b>					
<b>Replacement Parts</b>					
<b>Drawing_EN</b>					
<b>Drawing_PT</b>					
<b>Specification</b>					
<b>Status</b>	Active	Active	Active	Active	Active
<b>Global Model</b>	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C
<b>Overload Type</b>	External	External	External	External	
<b>Relay Type</b>	Potential Relay	Potential Relay		Potential Relay	
<b>Packaging</b>	SINGLE	MULTI	MULTI	SINGLE	MULTI
<b>Length</b>	251 MM(10IN)	251 MM(10IN)	197.8 MM(8IN)	197.8 MM(8IN)	197.8 MM(8IN)
<b>Height</b>	207.1 MM(8IN)	207.1 MM(8IN)	207.1 MM(8IN)	207.1 MM(8IN)	207.1 MM(8IN)
<b>Width</b>	160.5 MM(6IN)	160.5 MM(6IN)	160.5 MM(6IN)	160.5 MM(6IN)	160.5 MM(6IN)
<b>Weight</b>	13KG(29LB)	13KG(29LB)	11KG(24LB)	12KG(26LB)	11KG(24LB)
<b>Grommet</b>	Y	Y	Y	Y	
<b>Overload</b>	Y	Y	Y	Y	
<b>Run Capacitor</b>	Y	Y		Y	
<b>Start Capacitor</b>	Y	Y		Y	
<b>Terminal Cover</b>	Y	Y	Y	Y	
<b>Discharge Line Size</b>			1/4 in (6.35mm)	1/4 in (6.35mm)	1/4 in (6.35mm)
<b>Suction Line Size</b>			3/8 in (9.52mm)	3/8 in (9.52mm)	3/8 in (9.52mm)

	<b>AE-1823-E (AE-8255-BR)</b>	<b>AE-1965-E (AE-8537-BR)</b>	<b>AE-2004-E (AE-8255-BR)</b>	<b>AE1416BR (AE-8255-BR)</b>	<b>AE1602BR (AE-8255-BR)</b>
<b>Documentation</b>					
<b>Replacement Parts</b>					
<b>Drawing_EN</b>					
<b>Drawing_PT</b>					
<b>Specification</b>					
<b>Status</b>	Active	Active	Active	Active	Active
<b>Global Model</b>	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C	AE4460Y-GS3C
<b>Overload Type</b>	External			External	External
<b>Relay Type</b>	Potential Relay			Potential Relay	Potential Relay
<b>Packaging</b>	SINGLE	MULTI	MULTI	MULTI	SINGLE
<b>Length</b>	197.8 MM(8IN)	197.8 MM(8IN)	197.8 MM(8IN)		
<b>Height</b>	207.1 MM(8IN)	207.1 MM(8IN)	207.1 MM(8IN)		
<b>Width</b>	160.5 MM(6IN)	160.5 MM(6IN)	160.5 MM(6IN)		
<b>Weight</b>	12KG(26LB)	11KG(24LB)	11KG(24LB)	12KG(26LB)	12KG(26LB)
<b>Grommet</b>	Y			Y	Y
<b>Overload</b>	Y			Y	Y
<b>Run Capacitor</b>	Y			Y	Y
<b>Start Capacitor</b>	Y			Y	Y
<b>Terminal Cover</b>	Y			Y	Y
<b>Discharge Line Size</b>	1/4 in (6.35mm)	1/4_IN	1/4 in (6.35mm)	5/16_IN	5/16_IN
<b>Suction Line Size</b>	3/8 in (9.52mm)	5/16_IN	3/8 in (9.52mm)	1/2_IN	1/2_IN

