



THK4430YUZ

Product Family :

TH

Application :

HBP

Status :

Active

Voltage :

230V 1PH 50Hz, 230V 1PH 60Hz

Refrigerant :

R-134a

Product Technology :

Reciprocating

TH Series Reciprocating Compressor

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



PRODUCT SPECIFICATION

General

Horse Power: 1/4 HP

Motor Torque: High Start Torque (HST)

Evaporating Range: -6.7°C to 12.8°C (20°F to 55°F)

Mechanical

Displacement (CC): 8.21

Compressor Cooling: Fan

Oil Charge: 270 cc

Oil Type: Polyolester

Viscosity: 32

Agency Approval

Agency: CCC, CE, IP24

Electrical

LRA: 12

Motor Type: CSR

Motor Resistance - Main: 7.4

Motor Resistance Start: 12.7

RLA 50HZ: 1.8

RLA 60HZ: 1.95

Voltage Frequency: 50Hz~60Hz

Voltage Range 50Hz: 207to253

Voltage Range 60Hz: 207to253



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	HBP	398	1358	342
ARI 540-97 20°F, 120°F -6°C, 48°C	HBP	398	1358	342
ASHRAE 45°F, 130°F 7°C, 54°C	HBP	835	2849	718
CECOMAF 41°F, 131°F 5°C, 55°C	HBP	694	2366	596
EN12900 41°F, 122°F 5°C, 50°C	HBP	686	2340	590

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	HBP	494	1686	425
ARI 540-97 20°F, 120°F -6°C, 48°C	HBP	494	1686	425
ASHRAE 45°F, 130°F 7°C, 54°C	HBP	967	3299	832
CECOMAF 41°F, 131°F 5°C, 55°C	HBP	809	2759	695
EN12900 41°F, 122°F 5°C, 50°C	HBP	822	2804	707

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

ITEMS SPECIFICATIONS

	TH830GF-010- A4	TH830GH-010-AA4
Documentation		
Drawing_EN		
Specification		
Status	Active	Active
Global Model	THK4430YUZ	THK4430YUZ
Overload Type	External	External
Relay Type	Current Relay	Current Relay
Packaging	MULTI	MULTI
Length	163 MM(6.406IN)	165 MM(6.48IN)
Height	177 MM(6.945IN)	177 MM(6.945IN)
Width	150 MM(5.902IN)	150 MM(5.902IN)
Weight	9KG(20LB)	9KG(20LB)
Discharge Line Size	3/16_IN	3/16_IN
Suction Line Size	5/16_IN	5/16_IN
Grommet	Y	Y
Overload	Y	Y
Run Capacitor	Y	Y
Start Capacitor	Y	Y
Terminal Cover	Y	Y

