



**THK4428YFS**

**Product Family :**  
TH

**Application :**  
HBP

**Status :**  
Active

**Voltage :**  
220V 1PH 50Hz

**Refrigerant :**  
R-134a

**Product Technology :**  
Reciprocating

**TH 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

## General

Horse Power: 1/5 HP

Motor Torque: High Start Torque (HST)

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

## Mechanical

Displacement (CC): 6.9

Compressor Cooling: Fan

Oil Charge: 270 cc

Oil Type: Polyolester

Viscosity: 32

## Electrical

LRA: 15

Motor Type: CSR

MCC: 3.44

Motor Resistance - Main: 8.7

Motor Resistance Start: 17.8

RLA 50HZ: 2.15

Voltage Frequency: 50Hz

Voltage Range 50Hz: 180to242



## 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	348	1187	299
ARI 540-97 20°F, 120°F -6°C, 48°C	HBP	348	1187	299
ASHRAE 45°F, 130°F 7°C, 54°C	HBP	695	2370	597
CECOMAF 41°F, 131°F 5°C, 55°C	HBP	574	1957	493
EN12900 41°F, 122°F 5°C, 50°C	HBP	594	2027	511

Looking for the complete set of Performance Data for this product? Please see our [Performance Calculator](#).



## ITEMS SPECIFICATIONS

	14959571	TH814FH-010-A4
<b>Documentation</b>		
<b>Drawing_EN</b>		
<b>Electrical</b>		
<b>Specification</b>		
<b>Status</b>	Active	Active
<b>Global Model</b>	THK4428YFS	THK4428YFS
<b>Overload Type</b>	External	External
<b>Relay Type</b>	Current Relay	Current Relay
<b>Packaging</b>	MULTI	MULTI
<b>Length</b>	163 MM(6.406IN)	163 MM(6.406IN)
<b>Height</b>	174 MM(6.835IN)	174 MM(6.835IN)
<b>Width</b>	150 MM(5.902IN)	150 MM(5.902IN)
<b>Weight</b>	9KG(20LB)	8KG(18LB)
<b>Discharge Line Size</b>	3/16 in (4.76mm)	3/16 in (4.76mm)
<b>Suction Line Size</b>	1/4 in (6.35mm)	1/4 in (6.35mm)
<b>Grommet</b>	Y	Y
<b>Overload</b>	Y	Y
<b>Start Capacitor</b>	Y	Y
<b>Terminal Cover</b>	Y	Y
<b>Run Capacitor</b>		Y