



THK9412YJE

Product Family :
TH

Application :
CBP

Status :
Active

Voltage :
230V 1PH 50Hz

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: 1/8 HP

Motor Torque: High Start Torque (HST)

Evaporating Range: -17.8°C to 10°C (0°F to 50°F)

Mechanical

Displacement (CC): 5.6

Compressor Cooling: Fan

Oil Charge: 270 cc

Oil Type: Polyolester

Viscosity: 32

Agency Approval

Agency: CE

Electrical

LRA: 9

Motor Type: CSR

MCC: 1.472

Motor Resistance - Main: 13.2

Motor Resistance Start: 16.6

RLA 50HZ: 0.92

Voltage Frequency: 50Hz

Voltage Range 50Hz: 180to260



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 (MBP)	284	969	244
ARI 540-97 20°F, 120°F -6°C, 48°C	CBP (MBP)	284	969	244
ASHRAE 20°F, 130°F -6°C, 54°C	CBP (MBP)	316	1079	272
CECOMAF 41°F, 131°F 5°C, 55°C	CBP (MBP)	470	1603	404
EN12900 41°F, 122°F 5°C, 50°C	CBP (MBP)	486	1659	418

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



ITEMS SPECIFICATIONS

	14962890	TH812JF-095-A4	TH812JF-095-AA4	TH812JF-095-BA4	TH812JH-010-A4
Documentation					
Drawing_EN					
Specification					
Status	Active	Active	Active	Active	Active
Global Model	THK9412YJE	THK9412YJE	THK9412YJE	THK9412YJE	THK9412YJE
Overload Type	External	External	External	External	External
Relay Type	Current Relay	Current Relay	Current Relay	Current Relay	Current Relay
Packaging	MULTI	MULTI	MULTI	MULTI	MULTI
Length	163 MM(6.406IN)	163 MM(6.406IN)	163 MM(6.406IN)	163 MM(6.406IN)	163 MM(6.406IN)
Height	169 MM(6.661IN)	169 MM(6.661IN)	169 MM(6.661IN)	169 MM(6.661IN)	169 MM(6.661IN)
Width	150 MM(5.902IN)	150 MM(5.902IN)	150 MM(5.902IN)	150 MM(5.902IN)	150 MM(5.902IN)
Weight	8KG(18LB)	8KG(18LB)	8KG(18LB)	8KG(18LB)	8KG(18LB)
Discharge Line Size	3/16 in (4.76mm)	3/16 in (4.76mm)	3/16 in (4.76mm)	3/16 in (4.76mm)	1/4_IN
Suction Line Size	1/4 in (6.35mm)	1/4 in (6.35mm)	1/4 in (6.35mm)	1/4 in (6.35mm)	1/4 in (6.35mm)
Grommet	Y	Y	Y	Y	Y
Overload	Y	Y	Y	Y	Y
Run Capacitor	Y	Y	Y	Y	Y
Start Capacitor	Y	Y	Y	Y	Y
Terminal Cover	Y	Y	Y	Y	Y

	TH812JH-010-BA4	TH812JH-062-A4
Documentation		
Drawing_EN		
Specification		
Status	Active	Active
Global Model	THK9412YJE	THK9412YJE
Overload Type	External	External
Relay Type	Current Relay	Current Relay
Packaging	MULTI	MULTI
Length	163 MM(6.406IN)	163 MM(6.406IN)
Height	169 MM(6.661IN)	169 MM(6.661IN)
Width	150 MM(5.902IN)	150 MM(5.902IN)
Weight	8KG(18LB)	8KG(18LB)
Discharge Line Size	3/16_IN	3/16 in (4.76mm)
Suction Line Size	1/4_IN	1/4 in (6.35mm)
Grommet	Y	Y
Overload	Y	Y
Run Capacitor	Y	Y
Start Capacitor	Y	Y
Terminal Cover	Y	Y

