R134a, High Temperature, Hermetic, Compressor, TECUMSEH, AE1144E, HP 1/3 (lbp), AE3440Y, HP 1/3(Big+), HBP/CBP – High/Commercial Back Pressure, 1 Phase

Category: compressor
written by www.mbsm.pro | 31 May 2020

Application	High Temperature
B/M	AE1155E-212-J7
BtuH Capacity @ 45°F Evap.	4350
CCH	No
Compressor	Reciprocating
Discharge Conn.	1/4" IDS
HP	1/3
Height	8
Mounting Centers	4" x 6-1/2"
Overload	B18-516
Phase	1
Refrigerant	R134a
Relay	B18-498
Starting Torque	Normal
Suction Conn.	5/16" IDS
Volts	115
Wt. Lbs.	23
Shipping Weight	23.80
Shipping Width	9.80
Shipping Length	13.60
Shipping Height	10.10

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Type: Reciprocating
Application: HBP/CBP – High/Commercial Back Pressure
Voltage/Frequency: 115V ~60Hz
Motor Torque: Low Start Torque (LST)
Compressor Cooling: Fan
Oil Type: Polyolester
Viscosity (cSt): 32
Oil Charge (cc): 280
Voltage Range (60Hz): 103-127
Locked Rotor Amps (LRA): 43
Rated Load Amps (RLA 50Hz): 0
Rated Load Amps (RLA 60Hz): 6
Max. Continuous Current (MCC in Amps): 0

Motor Resistance (Ohm) – Main: 1.64
Motor Resistance (Ohm) – Start: 4.18
Motor Type: RSIR
cURus Recognized
Refrigerant: R-134a

Product Description

Discover the advantages of Tecumseh’s broad range of energy efficient and reliable reciprocating compressors for household refrigerators and freezers, air-conditioning and commercial refrigeration applications including foodservice to walk-in coolers. What is a Reciprocating Compressor? A hermetic reciprocating compressor uses pistons driven by a crankshaft to deliver refrigerant at high pressure from the low side to the high side of a refrigeration system. Why Tecumseh Reciprocating? In 1938, Tecumseh revolutionized the refrigeration industry with the first hermetically sealed reciprocating compressor. We have provided 75+ years of industry leadership in reciprocating compressors for air conditioning and refrigeration applications. Today, we continue to lead the way by designing energy efficiency, quiet operation and reliability into every new compressor we produce

Product Features

- High efficiency Tecumseh rotary compressors provide enhanced reliability reduced sound and maximum flexibility with vertical and horizontal installation options for air conditioning and refrigeration applications
- Rotary hermetic compressors use the rotating action of a roller inside a cylinder to compress the refrigerant Rotaries, by design, include fewer parts than other types of compression technology and provide an alternative
- Efficient option for various applications
- Tecumseh installed its first HR rotary compressor in an air conditioning application in 1957 where it remained reliably in service for more than 40 years Today’s modern air conditioning and commercial refrigeration applications require high efficiency combined with the ability to utilize more eco-friendly refrigerants Tecumseh rotary compressors continue to lead the way

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Brand:	Tecumseh
Model Number:	AE3440Y
Range:	Lunite
Voltage:	220-240
Warranty:	1 Year
Depth With Decoration Panel (mm):	155
Electric Supply:	230V/1 phase/50Hz
Electrical Rating:	29
Phase:	Single Phase
Refrigerant:	R134a
Refrigerant Suitability:	R134a
Width With Decoration Panel (mm):	263
Horse Power:	1/3
Expansion Device:	C

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Product Specifications

Performance

Condition	Test Voltage	(R) Btu/h	(R) kcal/h	(R) W	(I) W	(E) Btu/Wh	(E) kcal/Wh	W/W	EVAP TEMP	COND TEMP	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
ASHRAE (R-134a)	115V ~ 60HZ	4350	1096	1275	555	7.84	1.98	2.3	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-513A)	115V ~ 60HZ	4365	1100	1279	593	7.36	1.86	2.16	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)

(R) Refrigeration Capacity
(I) Input Power
(E) Efficiency

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