

Outdoor Condensing Units



Tecumseh

Gen III Outdoor Units Packed with Features
www.Tecumseh.com

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Tecumseh's Gen III Outdoor condensing units are designed specifically for refrigeration applications where reliable cooling is required under varying loads and operating conditions. At the heart of every Gen III Unit is a performance-proven Tecumseh compressor, built with exacting standards to handle the rigors of commercial refrigeration. A premium galvanized steel enclosure is used to protect mechanical and electrical components from the environment, adding to the unit's overall reliability.

Gen III Outdoor units are equipped with an easy-to-remove access panel for electrical component wiring and serviceability. Standard features include filter driers, suction-line accumulator, oversized receiver tank, pressure controls, service valves, defrost timer and a crankcase heater. Heated receivers as well as, fixed and adjustable condenser fan controls are offered as available options.

Single and dual fan models are available ranging from 1/2 to 7 1/4 HP, compatible with refrigerants R404A and R22.



Single Fan Unit



FEATURES AND BENEFITS

• **EASY ACCESS**

Electrical panel is detachable for easy service.

• **SMALLER FOOTPRINT**

Reduced size envelope covers capacities normally served by larger compressors. Three footprint layouts available.

• **STANDARDIZATION**

One platform, one brand.

Width
Sm 27"
Med 35"
Lg 46"

Height
Sm 26"
Med 26"
Lg 32"

Length
Sm 26"
Med 26"
Lg 30"



• **SERVICE AND SUPPORT**

Backed by Tecumseh's network of knowledgeable application engineers, test labs & support personnel.

• **PRODUCT OFFERING**

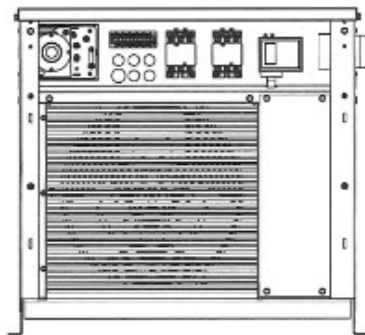
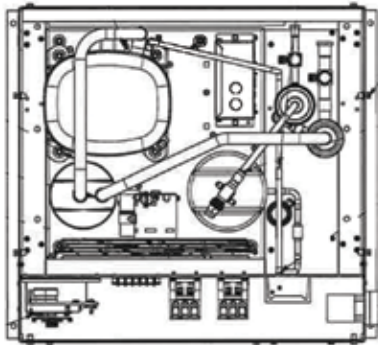
Available in U.S. and Canada with flexibility to meet regional needs and agency approvals.

• **SERVICEABILITY**

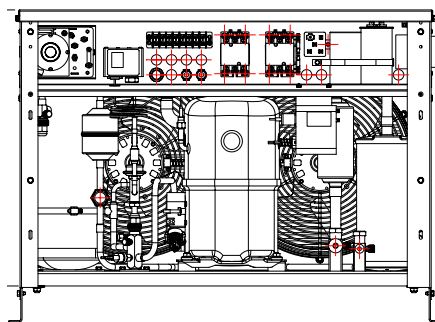
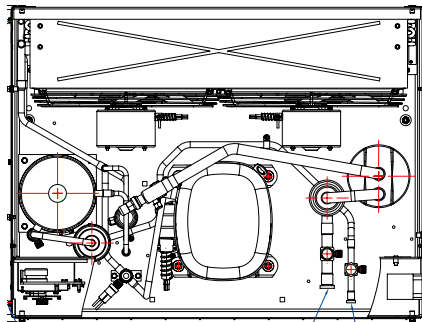
Top mounted components and easy access to service valves provides hassle free maintenance.

LINE DRAWINGS

SINGLE FAN UNIT



DUAL FAN UNIT



See pages 6-15 for dimensions.

Length	Width	Height
Single Fan		
26 in (660 mm)	27 in (686 mm)	26 in (660 mm)
Dual Fan		
26 in (660 mm)	35 in (889 mm)	26 in (660 mm)
30 in (762 mm)	46 in (1168 mm)	32 in (813 mm)

STANDARD FEATURES

APPLICATIONS

- R404A: 1/2 to 7 1/4 HP
- R22: 1/2 to 6 HP
- AK, AJ, AW, AV, AG and VS Compressors

Standard Features

• Accumulator	• Liquid Receiver Tank
• Suction Filter	• Liquid Filter and Sight Glass
• Suction Service Valve	• Liquid Service Valve
• Crankcase Heater	• Check Valve
• Adjustable Low Pressure Control	• High Pressure Control
• Defrost Timer	• Head Pressure Control



SPECIFICATIONS

Product

Evaporator Ranges:	4	High	+20°F to 55°F (-6.7°C to 12.8°C)
	7/9	Comm/Med	-10°F to 40°F (-23.3°C to 4.4°C)
	2	Low	-40°F to 10°F (-40°C to -12.2°C)
Applications:	R404A	3/4 to 7 1/4 HP (Low/Commercial Temperature)	
	R22	1/2 to 6 HP (High/Medium Temperature)	
	Compressor	AK, AJ, AW, AV, AG, VS Series	
Line Connections (in):	Suction	1/2 ODF	3/8 ODF
		5/8 ODF	3/8 ODF
	Liquid	7/8 ODF	1/2 ODF



CONDENSING UNIT MODEL NUMBER

AVA 2 510 Z XN HS

Family & Generation

AK, AJ, AW, AV, AG, VS Series

Application Range

4	High	+10°F to 55°F (-12.2°C to 12.8°C)
7/9	Med/Comm	-5°F to 40°F (-20.6°C to 4.4°C)
2	Low	-40°F to 5°F (-40°C to -15.0°C)

Capacity

First number is total digits

Remainder is capacity in Btu/h

This example 10,000 Btu/h Capacity

Release Variant

Voltage

NA	208-230/60/1
XD	208-230/60/1, 200/50/1
XN	208-230/60/1, 200/220/50/1
XT	200-230/60/3, 200-220/50/3

Refrigerant

E = R22
Z = R404A

Agency Approval: Outdoor Condensing units are in compliance with both U.S. and Canadian safety agency requirements. The UL file is SA2372.

AVAILABLE OPTIONS

Select the Item Number (Bill of Material) prefix for Customized Option Configurations.

Item Number (Bill of Material) number prefix: 32L = Gen III

32LXXX-2E models are available with the following options:

32LXXX-2ERF(A)TxD

(see descriptions to the right)

* Standard feature on stocked units.

Available Accessories:

Liquid Solenoid Valve (supplied loose)

Hail Louver

Options	Description
R	Heated and Insulated Receiver
F	Fixed Fan Control
A	Adjustable Fan Control
T1*	Air Defrost Timer (Med/Com/High Temps)
T2*	Electric Defrost Timer and Defrost Heater Contactor (Low)
D	Disconnect Switch



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High and Commercial Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)									
				10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	50°F	55°F
				-12.2°C	-9.4°C	-6.7°C	-3.9°C	-1.1°C	1.7°C	4.4°C	7.2°C	10°C	12.7°C
R22 HBP Application Range +10°F to 55°F (-12.2°C to 12.8°C)													
AWG4520EXNHS	32L3215-2ET1	1 1/2	95°F	8,700	9,900	11,200	12,500	13,900	15,300	16,800	18,300	19,800	21,400
AWG4520EXTHS	32L3216-2ET1		100°F	8,200	9,400	10,600	11,900	13,200	14,500	16,000	17,400	18,900	20,500
			110°F	7,200	8,300	9,400	10,600	11,800	13,000	14,300	15,700	17,100	18,500
AWG4524EXNHN	32L2103-2ET1	2	95°F	10,700	12,300	13,900	15,700	17,400	19,300	21,200	23,200	25,200	27,300
AWG4524EXTHN	32L2108-2ET1		100°F	10,100	11,600	13,200	14,900	16,600	18,400	20,300	22,200	24,100	26,100
			110°F	8,900	10,400	11,800	13,400	15,000	16,700	18,400	20,100	22,000	23,900
AWG4525EXNHN	32L2191-2ET1	2	95°F	11,400	13,000	14,800	16,700	18,600	20,700	22,900	25,100	27,500	29,900
AWG4525EXTHN	32L2192-2ET1		100°F	10,700	12,300	14,100	15,900	17,800	19,800	21,900	24,000	26,300	28,700
			110°F	9,500	11,000	12,600	14,300	16,100	17,900	19,900	21,900	24,000	26,100
AWG4530EXNHN	32L2106-2ET1	2 1/2	95°F	14,200	15,200	17,900	19,900	22,100	24,400	26,800	29,300	31,900	34,700
AWG4530EXTHN	32L2107-2ET1		100°F	13,500	15,200	17,000	19,000	21,100	23,300	25,600	28,100	30,700	33,400
			110°F	12,200	13,800	15,400	17,200	19,100	21,100	23,300	25,600	27,900	30,500
AVA4540EXNHN	32L3127-2ET1	3	95°F	18,400	21,000	23,600	26,300	29,000	31,800	34,700	37,600	40,600	43,600
AVA4540EXTHN	32L3128-2ET1		100°F	17,300	19,800	22,400	25,000	27,700	30,400	33,100	35,900	38,800	41,700
			110°F	15,500	17,900	20,400	22,800	25,300	27,800	30,400	32,900	35,500	38,100
AVA4544EXNHM	32L3321-2ET1	3 1/2	95°F	18,600	21,200	23,700	26,900	30,300	34,000	37,900	41,900	46,100	50,500
AVA4544EXTHM	32L3322-2ET1		100°F	17,500	19,900	22,400	25,500	28,900	32,400	36,200	40,100	44,200	48,400
			110°F	15,700	18,100	20,600	23,000	25,600	28,000	31,400	35,000	38,800	42,700
AVA4547EXNHM	32L4091-2ET1	3 3/4	95°F	22,500	25,300	28,400	31,600	35,000	38,700	42,500	46,600	50,900	55,300
AVA4547EXTHM	32L4092-2ET1		100°F	21,900	24,500	27,400	30,500	33,800	37,200	40,900	44,900	49,000	53,300
			110°F	20,200	22,600	25,200	28,000	31,100	34,300	37,800	41,500	45,400	49,500
AGA4553EXNHM	32L4052-2ET1	4	95°F	-	-	33,600	37,000	40,400	43,900	47,400	50,900	54,500	-
AGA4553EXTHM	32L4053-2ET1		100°F	-	-	32,100	35,400	38,600	42,400	46,000	49,700	52,500	-
			110°F	-	-	27,100	31,700	36,200	39,700	42,700	46,400	49,100	-
AGA4563EXNHM	32L5058-2ET1	5 1/4	95°F	-	-	39,700	43,900	48,100	52,200	56,100	60,000	63,800	-
AGA4563EXTHM	32L5059-2ET1		100°F	-	-	37,600	41,700	45,500	50,000	54,100	58,500	61,500	-
			110°F	-	-	33,100	37,200	41,000	45,500	49,700	53,800	57,200	-
AGA4572EXNHM	32L5060-2ET1	6	95°F	-	-	41,700	47,000	52,500	58,300	64,300	70,600	77,200	-
AGA4572EXTHM	32L5061-2ET1		100°F	-	-	39,400	44,600	50,000	55,900	62,500	67,500	75,000	-
			110°F	-	-	34,700	39,800	45,100	50,800	57,400	62,100	70,100	-
R22 CBP				-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F	40°F
Application Range -5°F to 40°F (-20.6°C to 4.4°C)				-20.6°C	-17.8°C	-15°C	-12.2°C	-9.4°C	-6.7°C	-3.9°C	-1.1°C	1.7°C	4.4°C
AKA9446EXDHS	32L209-2ET1	1/2	95°F	2,400	3,000	3,500	4,000	4,600	5,200	5,900	6,700	7,600	8,600
			100°F	2,200	2,800	3,300	3,800	4,400	5,000	5,600	6,300	7,200	8,200
			110°F	1,700	2,300	2,900	3,400	3,900	4,500	5,100	5,700	6,500	7,300
AKA9459EXDHS	32L725-2ET1	3/4	95°F	2,500	3,400	4,300	5,000	5,700	6,400	6,900	7,400	7,900	8,300
			100°F	1,800	2,900	3,900	4,700	5,500	6,100	6,600	7,000	7,300	7,400
			110°F	-	1,800	3,100	4,100	5,000	5,600	6,000	6,100	6,000	5,700

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

High and Commercial Temperature

Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Min Circuit Ampacity	Max Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R22 HBP Application Range +10°F to 55°F (-12.2°C to 12.8°C)											
AWG4520EXNHS	32L3215-2ET1	5/8 ODF	3/8 ODF	18.18	AB	12.77	20	200 (90.7)	26	27	26
AWG4520EXTHS	32L3216-2ET1	5/8 ODF	3/8 ODF	18.18	AB	8.52	15	200 (90.7)	26	27	26
AWG4524EXNHN	32L2103-2ET1	7/8 ODF	3/8 ODF	22.93	AB	16.27	30	300 (136.1)	26	35	26
AWG4524EXTHN	32L2108-2ET1	7/8 ODF	3/8 ODF	22.93	AB	10.74	20	300 (136.1)	26	35	26
AWG4525EXNHN	32L2191-2ET1	7/8 ODF	3/8 ODF	23.26	AB	11.70	30	300 (136.1)	26	35	26
AWG4525EXTHN	32L2192-2ET1	7/8 ODF	3/8 ODF	23.26	AB	7.30	20	300 (136.1)	26	35	26
AWG4530EXNHN	32L2106-2ET1	7/8 ODF	3/8 ODF	23.26	AB	19.61	35	300 (136.1)	26	35	26
AWG4530EXTHN	32L2107-2ET1	7/8 ODF	3/8 ODF	23.26	AB	12.43	20	300 (136.1)	26	35	26
AVA4540EXNHN	32L3127-2ET1	7/8 ODF	1/2 ODF	23.26	AB	28.05	50	280 (127.0)	26	35	26
AVA4540EXTHN	32L3128-2ET1	7/8 ODF	1/2 ODF	23.26	AB	18.20	30	280 (127.0)	26	35	26
AVA4544EXNHM	32L3321-2ET1	7/8 ODF	1/2 ODF	38.03	AB	29.35	60	280 (127.0)	30	46	32
AVA4544EXTHM	32L3322-2ET1	7/8 ODF	1/2 ODF	38.03	AB	19.50	35	280 (127.0)	30	46	32
AVA4547EXNHM	32L4091-2ET1	7/8 ODF	1/2 ODF	38.03	AB	32.56	50	280 (127.0)	30	46	32
AVA4547EXTHM	32L4092-2ET1	7/8 ODF	1/2 ODF	38.03	AB	21.30	40	280 (127.0)	30	46	32
AGA4553EXNHM	32L4052-2ET1	7/8 ODF	1/2 ODF	38.03	AB	36.96	60	500 (226.8)	30	46	32
AGA4553EXTHM	32L4053-2ET1	7/8 ODF	1/2 ODF	38.03	AB	23.50	40	500 (226.8)	30	46	32
AGA4563EXNHM	32L5058-2ET1	7/8 ODF	1/2 ODF	42.87	AB	42.14	70	500 (226.8)	30	46	32
AGA4563EXTHM	32L5059-2ET1	7/8 ODF	1/2 ODF	42.87	AB	27.41	45	500 (226.8)	30	46	32
AGA4572EXNHM	32L5060-2ET1	7/8 ODF	1/2 ODF	42.87	AB	47.28	80	500 (226.8)	30	46	32
AGA4572EXTHM	32L5061-2ET1	7/8 ODF	1/2 ODF	42.87	AB	30.93	50	500 (226.8)	30	46	32
R22 CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C)											
AKA9446EXDHS	32L209-2ET1	1/2 ODF	3/8 ODF	18.18	AB	6.24	15	190 (86.2)	26	27	26
AKA9459EXDHS	32L725-2ET1	1/2 ODF	3/8 ODF	18.18	AB	7.44	15	190 (86.2)	26	27	26

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Commercial Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)										
				-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F	40°F	
				-20.6°C	-17.8°C	-15°C	-12.2°C	-9.4°C	-6.7°C	-3.9°C	-1.1°C	1.7°C	4.4°C	
R22 CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C) (continued)														
AKA9475EXDHS	32L1051-2ET1	7/8	95°F	3,400	3,900	4,500	5,400	6,200	6,900	7,800	8,600	9,600	10,500	
			100°F	3,300	3,800	4,500	5,200	5,900	6,600	7,400	8,300	9,200	10,200	
			110°F	3,000	3,500	4,000	4,600	5,300	6,000	6,800	7,600	8,500	9,400	
AJA9484EXDHS	32L1061-2ET1	1	95°F	4,000	4,800	5,600	6,300	7,100	8,000	8,900	9,800	10,800	11,900	
			100°F	3,700	4,500	5,200	5,900	6,700	7,600	8,500	9,400	10,400	11,400	
			110°F	-	-	4,700	5,300	6,000	6,800	7,700	8,600	9,500	10,400	
R404A CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C)														
AKA9440ZXDHS	32L292-2ET1	1/2	95°F	2,200	2,600	3,000	3,600	4,200	4,800	5,500	6,300	7,000	7,800	
			100°F	1,800	2,200	2,700	3,200	3,900	4,500	5,200	5,900	6,600	7,300	
			110°F	1,100	1,500	2,100	2,600	3,200	3,900	4,500	5,100	5,700	6,300	
AKA9464ZXDHS	32L751-2ET1	3/4	95°F	3,300	3,800	4,400	5,000	5,700	6,400	7,200	8,000	8,900	9,800	
			100°F	3,000	3,500	4,100	4,700	5,300	6,000	6,800	7,500	8,400	9,200	
			110°F	2,400	2,900	3,400	3,900	4,500	5,100	5,700	6,400	7,100	7,900	
AWA9490ZXNHS	32L1138-2ET1	1 1/4	95°F	5,500	6,200	7,100	8,000	8,900	10,000	11,100	12,300	13,600	15,000	
AWA9490ZXTHS			32L1140-2ET1	100°F	5,100	5,800	6,500	7,400	8,300	9,300	10,400	11,500	12,700	14,000
110°F			4,200	4,800	5,400	6,200	6,900	7,800	8,800	9,800	10,900	12,100		
VSA9510ZXTHS*	32L1202-2ET1	1 1/4	95°F	5,900	6,700	7,500	8,300	9,500	10,700	11,600	12,500	13,700	15,000	
			100°F	5,500	6,200	2,900	8,000	9,100	10,100	11,000	11,800	13,000	14,200	
			110°F	4,700	5,400	6,300	7,100	8,000	8,900	9,700	10,600	11,600	12,700	
AWA9510ZXNHN	32L1351-2ET1	1 1/4	95°F	5,300	6,100	7,100	8,200	9,400	10,700	12,100	13,700	15,300	17,100	
AWA9510ZXTHN			32L1352-2ET1	100°F	4,800	5,600	6,500	7,600	8,700	9,900	11,300	12,800	14,300	16,000
110°F			3,700	4,400	5,200	6,100	7,200	8,300	9,500	10,800	12,200	13,700		
AWA9512ZXNHN	32L1451-2ET1	1 1/2	95°F	5,200	6,400	7,600	8,900	10,300	11,600	13,100	14,600	16,100	17,700	
AWA9512ZXTHN			32L1452-2ET1	100°F	4,800	4,700	7,000	8,200	9,500	10,800	12,200	13,600	15,100	16,600
110°F			3,800	4,700	5,800	6,900	8,000	9,200	10,400	11,600	12,900	14,300		
AWA9514ZXNHN	32L3238-2ET1	1 3/4	95°F	6,800	7,800	9,000	10,300	11,600	13,100	14,700	16,400	18,200	20,100	
AWA9514ZXTHN			32L3239-2ET1	100°F	6,200	7,200	8,300	9,500	10,800	12,200	13,700	15,300	17,000	18,900
110°F			5,400	6,200	7,200	8,200	9,300	10,500	11,900	13,300	14,800	16,400		
VSA9515ZNAHN*	32L1701-2ET1	2	95°F	11,200	12,300	13,500	14,600	15,700	16,800	18,000	19,100	20,200	21,300	
VSA9515ZXTHN*			32L1702-2ET1	100°F	10,800	11,900	13,000	14,100	15,200	16,200	17,300	18,400	19,500	20,500
110°F			9,800	10,800	11,800	12,700	13,700	14,700	15,800	16,800	18,000	19,000		
AWA9518ZXNHN	32L2133-2ET1	2 1/4	95°F	9,200	10,600	12,100	13,700	15,500	17,300	19,300	21,400	23,600	25,900	
AWA9518ZXTHN			32L2134-2ET1	100°F	8,500	9,800	11,300	12,800	14,500	16,200	18,100	20,100	22,200	24,440
110°F			7,000	8,200	9,500	11,000	12,500	14,100	15,800	17,600	19,500	21,500		
VSA9518ZNAHN*	32L2201-2ET1	2 3/4	95°F	13,000	14,200	15,700	17,000	18,700	20,400	22,400	24,500	26,800	29,100	
VSA9518ZXTHN*			32L2202-2ET1	100°F	12,600	13,800	15,300	16,600	18,200	19,800	21,800	23,700	26,000	28,100
110°F			12,200	13,000	14,000	15,200	16,500	17,900	19,600	21,400	23,500	25,600		

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Commercial Temperature

Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Minimum Circuit Ampacity	Maximum Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R22 CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C) (continued)											
AKA9475EXDHS	32L1051-2ET1	1/2 ODF	3/8 ODF	18.18	AB	7.76	15	190 (86.2)	26	27	26
AJA9484EXDHS	32L1061-2ET1	1/2 ODF	3/8 ODF	18.18	AB	11.13	20	190 (86.2)	26	27	26
R404A CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C)											
AKA9440ZXDHS	32L292-2ET1	1/2 ODF	3/8 ODF	15.70	POE	6.25	15	190 (86.2)	26	27	26
AKA9464ZXDHS	32L751-2ET1	1/2 ODF	3/8 ODF	15.70	POE	8.16	15	190 (86.2)	26	27	26
AWA9490ZNXHNS	32L1138-2ET1	5/8 ODF	3/8 ODF	15.70	POE	14.21	20	200 (90.7)	26	27	26
AWA9490ZXTHS	32L1140-2ET1	5/8 ODF	3/8 ODF	15.70	POE	9.24	15	200 (90.7)	26	27	26
VSA9510ZXTHS*	32L1202-2ET1	7/8 ODF	1/2 ODF	15.70	POE	8.28	15	400 (181.4)	26	27	26
AWA9510ZXNHN	32L1351-2ET1	7/8 ODF	3/8 ODF	19.80	POE	14.91	25	320 (145.1)	26	35	26
AWA9510ZXTHN	32L1352-2ET1	7/8 ODF	3/8 ODF	19.80	POE	9.91	15	320 (145.1)	26	35	26
AWA9512ZXNHN	32L1451-2ET1	7/8 ODF	3/8 ODF	20.09	POE	14.91	25	320 (145.1)	26	35	26
AWA9512ZXTHN	32L1452-2ET1	7/8 ODF	3/8 ODF	20.09	POE	9.94	15	320 (145.1)	26	35	26
AWA9514ZXNHN	32L3238-2ET1	7/8 ODF	3/8 ODF	19.80	POE	17.15	30	300 (136.1)	26	35	26
AWA9514ZXTHN	32L3239-2ET1	7/8 ODF	3/8 ODF	19.80	POE	11.31	20	320 (145.1)	26	35	26
VSA9515ZNAHN*	32L1701-2ET1	7/8 ODF	1/2 ODF	20.09	POE	19.08	35	415 (188.2)	26	35	26
VSA9515ZXTHN*	32L1702-2ET1	7/8 ODF	1/2 ODF	20.09	POE	12.67	20	415 (188.2)	26	35	26
AWA9518ZXNHN	32L2133-2ET1	7/8 ODF	3/8 ODF	20.09	POE	20.04	35	320 (145.1)	26	35	26
AWA9518ZXTHN	32L2134-2ET1	7/8 ODF	3/8 ODF	20.09	POE	14.03	25	320 (145.1)	26	35	26
VSA9518ZNAHN*	32L2201-2ET1	7/8 ODF	1/2 ODF	20.09	POE	24.61	45	415 (188.2)	26	35	26
VSA9518ZXTHN*	32L2202-2ET1	7/8 ODF	1/2 ODF	20.09	POE	14.75	25	415 (188.2)	26	35	26

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.



Tecumseh

Commercial Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)									
				-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F	40°F
				-20.6°C	-17.8°C	-15°C	-12.2°C	-9.4°C	-6.7°C	-3.9°C	-1.1°C	1.7°C	4.4°C
R404A CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C) continued													
VSA9522ZNAHM*	32L2601-2ET1	3	95°F	13,100	14,870	16,800	18,600	21,100	23,500	24,700	27,200	29,700	32,600
VSA9522ZXTHM*	32L2602-2ET1		100°F	12,400	14,000	15,900	17,873	20,000	22,300	23,500	25,900	29,800	30,900
			110°F	10,800	12,400	14,100	15,900	17,900	19,800	21,000	23,200	26,900	27,900
AVA9523ZXNHN	32L2135-2ET1	3	95°F	11,300	13,000	14,900	16,900	19,000	21,100	23,600	26,000	28,600	31,200
AVA9523ZXTHN	32L2136-2ET1		100°F	10,300	12,000	13,800	15,700	17,700	19,800	22,000	24,300	26,800	29,300
			110°F	8,500	10,000	11,600	13,200	14,900	16,800	18,700	20,700	22,000	25,000
AVA9525ZXNHN	32L3160-2ET1	3 1/4	95°F	12,800	14,600	16,600	18,700	20,800	23,100	25,600	28,100	30,800	33,500
AVA9525ZXTHN	32L3154-2ET1		100°F	11,800	13,600	15,400	17,400	19,500	21,700	24,000	26,400	28,900	31,600
			110°F	9,700	11,300	13,000	14,800	16,700	18,700	20,700	22,800	25,000	27,300
VSA9526ZXTHM*	32L3202-2ET1	3 1/4	95°F	15,400	17,400	19,700	22,100	24,800	27,500	29,700	31,900	35,900	39,900
			100°F	14,600	16,400	18,700	20,900	24,000	26,100	28,200	30,400	33,300	36,300
			110°F	12,800	14,500	16,600	18,600	21,000	23,300	25,200	27,200	30,500	33,800
AVA9529ZXNHN	32L3157-2ET1	3 1/2	95°F	16,000	18,100	20,200	22,400	24,800	27,200	29,800	32,500	35,400	38,400
AVA9529ZXTHN	32L3158-2ET1		100°F	15,100	17,000	19,000	21,100	23,200	25,500	27,900	30,400	33,000	35,700
			110°F	13,100	14,700	16,400	18,100	19,900	21,600	23,400	25,300	27,300	-
VSA9530ZXTHM*	32L3602-2ET1	4	95°F	18,200	20,100	22,100	24,300	26,700	29,100	32,000	35,000	38,200	41,400
			100°F	17,400	19,200	20,800	23,300	25,700	28,100	30,900	33,700	37,000	40,000
			110°F	16,000	17,700	19,800	21,600	23,800	25,800	28,600	31,300	34,000	37,100
AVA9532ZXNHN	32L4054-2ET1	4	95°F	17,500	20,000	22,600	25,500	28,700	32,100	35,800	39,700	43,800	48,200
AVA9532ZXTHM	32L4055-2ET1		100°F	16,400	18,700	21,200	24,000	27,000	30,300	33,800	37,500	41,500	45,700
			110°F	14,100	16,200	18,400	20,900	23,700	26,600	29,700	33,100	36,700	40,500
AGA9538ZXNHN	32L4083-2ET1	4 3/4	95°F	18,400	21,300	24,500	27,900	31,600	35,600	39,900	44,400	49,300	54,400
AGA9538ZXTHM	32L4084-2ET1		100°F	16,900	19,700	22,700	26,000	29,600	33,400	37,500	41,900	46,500	51,400
			110°F	13,400	16,000	18,800	21,800	25,100	28,600	32,300	36,300	40,500	45,000
AGA9542ZXNHN	32L5095-2ET1	5 1/4	95°F	20,600	23,700	27,100	30,800	34,900	39,100	43,700	48,500	53,500	58,800
AGA9542ZXTHM	32L5098-2ET1		100°F	18,500	21,400	24,700	28,200	32,100	36,100	40,500	45,000	49,800	54,900
			110°F	15,800	18,500	21,400	24,700	28,100	31,800	35,800	40,000	44,300	48,900

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Commercial Temperature

Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Minimum Circuit Ampacity	Maximum Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R404A CBP Application Range -5°F to 40°F (-20.6°C to 4.4°C) continued											
VSA9522ZNAHM*	32L2601-2ET1	7/8 ODF	1/2 ODF	32.84	POE	27.41	45	430 (195.0)	30	46	32
VSA9522ZXTHM*	32L2602-2ET1	7/8 ODF	1/2 ODF	32.84	POE	17.95	30	430 (195.0)	30	46	32
AVA9523ZXNHN	32L2135-2ET1	7/8 ODF	1/2 ODF	20.09	POE	27.01	45	280 (127.0)	26	35	26
AVA9523ZXTHN	32L2136-2ET1	7/8 ODF	1/2 ODF	20.09	POE	18.84	35	280 (127.0)	26	35	26
AVA9525ZXNHN	32L3160-2ET1	7/8 ODF	1/2 ODF	20.09	POE	29.90	50	280 (127.0)	26	35	26
AVA9525ZXTHN	32L3154-2ET1	7/8 ODF	1/2 ODF	20.09	POE	21.24	35	280 (127.0)	26	35	26
VSA9526ZXTHM*	32L3202-2ET1	7/8 ODF	1/2 ODF	32.84	POE	21.08	35	470 (213.2)	30	46	32
AVA9529ZXNHN	32L3157-2ET1	7/8 ODF	1/2 ODF	20.09	POE	39.51	70	280 (127.0)	26	35	26
AVA9529ZXTHN	32L3158-2ET1	7/8 ODF	1/2 ODF	20.09	POE	25.73	45	280 (127.0)	26	35	26
VSA9530ZXTHM*	32L3602-2ET1	7/8 ODF	1/2 ODF	32.84	POE	22.84	35	480 (217.7)	30	46	32
AVA9532ZXNHM	32L4054-2ET1	7/8 ODF	1/2 ODF	32.84	POE	40.81	70	480 (217.7)	30	46	32
AVA9532ZXTHM	32L4055-2ET1	7/8 ODF	1/2 ODF	32.84	POE	27.03	45	480 (217.7)	30	46	32
AGA9538ZXNHM	32L4083-2ET1	7/8 ODF	1/2 ODF	37.02	POE	47.12	80	500 (226.8)	30	46	32
AGA9538ZXTHM	32L4084-2ET1	7/8 ODF	1/2 ODF	37.02	POE	27.41	45	500 (226.8)	30	46	32
AGA9542ZXNHM	32L5095-2ET1	7/8 ODF	1/2 ODF	37.02	POE	53.77	100	500 (226.8)	30	46	32
AGA9542ZXTHM	32L5098-2ET1	7/8 ODF	1/2 ODF	37.02	POE	32.62	50	500 (226.8)	30	46	32

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Medium Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)									
				-10°F	-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F
				23.3°C	-20.6°C	-17.8°C	-15°C	-12.2°C	-9.4°C	-6.7°C	-3.9°C	-1.1°C	1.7°C
R404A MBP Application Range -10°F to 35°F (-23.3°C to 1.7°C)													
AJA7494ZXDHS	32L1106-2ET1	1 1/4	95°F	4,500	5,200	5,900	6,600	7,300	8,000	8,800	9,600	10,500	11,600
			100°F	4,100	4,800	5,500	6,100	6,800	7,500	8,200	9,000	9,800	10,800
			110°F	3,400	4,000	4,600	5,200	5,800	6,400	7,000	7,700	8,400	9,300
AWA7512ZXDHS AWA7512ZXTHS	32L3217-2ET1 32L3218-2ET1	1 1/2	95°F	5,600	6,400	7,200	8,100	9,000	10,000	11,000	12,100	13,300	-
			100°F	5,200	5,900	6,700	7,500	8,300	9,300	10,200	11,300	12,400	-
			110°F	4,000	4,600	5,300	6,000	6,800	7,700	8,500	9,500	10,500	-
AWA7515ZXDHS AWA7515ZXTHS	32L3220-2ET1 32L3219-2ET1	1 3/4	95°F	7,400	8,300	9,200	10,200	11,200	12,300	13,400	14,500	15,800	-
			100°F	6,800	7,600	8,500	9,400	10,400	11,400	12,400	13,500	14,600	-
			110°F	5,700	6,400	7,200	8,000	8,900	9,700	10,600	11,500	12,500	-
AVA7523ZNXHN AVA7523ZXTHN	32L3136-2ET1 32L3137-2ET1	3	95°F	11,100	12,700	14,400	16,100	17,900	19,600	21,400	23,200	25,000	-
			100°F	10,000	11,600	13,300	14,900	16,500	18,200	19,800	21,500	23,200	-
			110°F	7,600	9,000	10,500	12,000	13,500	15,000	16,600	18,200	19,600	-

Low Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)									
				-40°F	-35°F	-30°F	-25°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F
				-40°C	37.2°C	-34.4°C	-31.7°C	-28.9°C	-26.1°C	-23.3°C	-20.6°C	-17.7°C	-15.0°C
R404A LBP Application Range -40°F to 5°F (-40°C to -15.0°C)													
AJA2423ZXDHS	32L511-2ET2	1/2	95°F	-	900	1,200	1,500	1,800	2,100	2,500	2,900	3,300	3,700
			100°F	-	800	1,100	1,300	1,600	2,000	2,300	2,700	3,100	3,500
			110°F	-	700	900	1,100	1,400	1,700	2,000	2,300	2,700	3,100
AJA2436ZXDHS	32L727-2ET2	3/4	95°F	-	1,100	1,400	1,800	2,300	2,800	3,400	4,000	4,600	5,300
			100°F	-	800	1,200	1,600	2,100	2,600	3,100	3,700	4,300	4,900
			110°F	-	500	900	1,300	1,700	2,100	2,600	3,100	3,600	4,200
AWA2444ZXDHS AWA2444ZXTHS	32L1118-2ET2 32L1121-2ET2	1	95°F	1,300	1,700	2,300	2,900	3,600	4,300	5,000	5,800	6,600	7,400
			100°F	1,200	1,600	2,000	2,600	3,200	3,900	4,600	5,400	6,100	6,900
			110°F	900	1,200	1,500	2,000	2,500	3,100	3,800	4,400	5,100	5,800
AWA2457ZXDHS AWA2457ZXTHS	32L3243-2ET2 32L3244-2ET2	1 1/2	95°F	1,500	2,000	2,600	3,300	4,100	4,900	5,800	6,700	7,600	8,500
			100°F	-	1,700	2,300	3,000	3,700	4,500	5,300	6,200	7,000	7,900
			110°F	-	1,200	1,700	2,300	2,900	3,600	4,400	5,100	5,900	6,700
AWA2479ZXDHS AWA2479ZXTHS	32L2114-2ET2 32L2115-2ET2	2	95°F	2,300	3,100	3,800	4,700	5,500	6,400	7,300	8,200	9,200	10,200
			100°F	2,200	2,900	3,600	4,300	5,100	5,900	6,700	7,500	8,400	9,400
			110°F	1,800	2,300	2,800	3,400	4,100	4,800	5,500	6,300	7,100	7,900
AWA2490ZXDHN AWA2490ZXTHN	32L2111-2ET2 32L2112-2ET2	2 1/4	95°F	-	-	3,900	4,800	5,900	7,000	8,100	9,300	10,600	11,800
			100°F	-	-	3,500	4,300	5,300	6,300	7,400	8,600	9,800	11,100
			110°F	-	-	-	3,600	4,400	5,200	6,100	7,100	8,200	9,300

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.



Medium Temperature											
Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Minimum Circuit Ampacity	Maximum Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R404A MBP Application Range -10°F to 35°F (-23.3°C to 1.7°C)											
AJA7494ZXDHS	32L1106-2ET1	1/2 ODF	3/8 ODF	15.70	POE	12.41	20	190 (86.2)	26	27	26
AWA7512ZXDHS	32L3217-2ET1	5/8 ODF	3/8 ODF	15.70	POE	16.94	30	200 (90.7)	26	27	26
AWA7512ZXTHS	32L3218-2ET1	5/8 ODF	3/8 ODF	15.70	POE	11.33	20	200 (90.7)	26	27	26
AWA7515ZXDHS	32L3220-2ET1	5/8 ODF	3/8 ODF	15.70	POE	20.94	35	200 (90.7)	26	27	26
AWA7515ZXTHS	32L3219-2ET1	5/8 ODF	3/8 ODF	15.70	POE	11.33	20	200 (90.7)	26	27	26
AVA7523ZXNHN	32L3136-2ET1	7/8 ODF	1/2 ODF	19.80	POE	28.29	50	280 (127.0)	26	35	26
AVA7523ZXTHN	32L3137-2ET1	7/8 ODF	1/2 ODF	19.80	POE	15.79	25	280 (127.0)	26	35	26

Low Temperature											
Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Minimum Circuit Ampacity	Maximum Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R404A LBP Application Range -40°F to 5°F (-40°C to -15.0°C)											
AJA2423ZXDHS	32L511-2ET2	1/2 ODF	3/8 ODF	15.70	POE	5.20	15	200 (90.7)	26	27	26
AJA2436ZXDHS	32L727-2ET2	1/2 ODF	3/8 ODF	15.70	POE	6.48	15	200 (90.7)	26	27	26
AWA2444ZXDHS	32L1118-2ET2	5/8 ODF	3/8 ODF	15.70	POE	11.73	20	200 (90.7)	26	27	26
AWA2444ZXTHS	32L1121-2ET2	5/8 ODF	3/8 ODF	15.70	POE	7.08	15	200 (90.7)	26	27	26
AWA2457ZXDHS	32L3243-2ET2	5/8 ODF	3/8 ODF	15.70	POE	12.69	20	200 (90.7)	26	27	26
AWA2457ZXTHS	32L3244-2ET2	5/8 ODF	3/8 ODF	15.70	POE	8.20	15	200 (90.7)	26	27	26
AWA2479ZXDHS	32L2114-2ET2	5/8 ODF	3/8 ODF	15.70	POE	16.62	30	200 (90.7)	26	27	26
AWA2479ZXTHS	32L2115-2ET2	5/8 ODF	3/8 ODF	15.70	POE	11.33	20	200 (90.7)	26	27	26
AWA2490ZXDHN	32L2111-2ET2	7/8 ODF	3/8 ODF	19.80	POE	17.32	30	320 (145.1)	26	35	26
AWA2490ZXTHN	32L2112-2ET2	7/8 ODF	3/8 ODF	19.80	POE	12.03	20	320 (145.1)	26	35	26

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Low Temperature

Model Number	Item Number (Bill of Material)	HP	Ambient	Capacity (Btu/h) at Rated Conditions/ Evaporator Temperature (°F)									
				-40°F	-35°F	-30°F	-25°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F
				-40°C	37.2°C	-34.4°C	-31.7°C	-28.9°C	-26.1°C	-23.3°C	-20.6°C	-17.7°C	-15.0°C
R404A LBP Application Range -40°F to 5°F (-40°C to -15.0°C) continued													
VSAG490ZXTHN*	32L2242-2ET2	2 1/4	95°F	3,900	4,500	5,200	5,900	6,700	7,500	8,300	9,300	10,300	11,400
			100°F	3,800	4,400	5,100	5,700	6,400	7,200	8,000	8,900	9,900	11,000
			110°F	3,600	4,000	4,600	5,100	5,800	6,500	7,200	8,100	9,000	9,900
AVA2510ZXNHS AVA2510ZXTHS	32L2116-2ET2 32L2117-2ET2	2 1/2	95°F	3,300	4,300	5,300	6,200	7,200	8,200	9,200	10,200	11,100	12,100
			100°F	3,000	3,900	4,800	5,700	6,600	7,500	8,400	9,300	10,300	11,200
			110°F	2,200	3,000	3,900	4,700	5,500	6,300	7,100	7,900	8,600	-
VSAG511ZXTHN*	32L2642-2ET2	2 3/4	95°F	4,600	5,300	6,100	6,900	7,800	8,700	9,700	10,800	11,900	13,100
			100°F	4,400	5,100	6,000	6,700	7,600	8,500	9,400	10,500	11,500	12,700
			110°F	4,200	4,800	5,400	6,100	6,800	7,600	8,500	9,500	10,500	11,600
AVA2512ZXNHN AVA2512ZXTHN	32L3140-2ET2 32L3141-2ET2	2 3/4	95°F	3,600	4,700	5,900	7,100	8,400	9,700	11,100	12,300	13,700	15,100
			100°F	3,200	4,300	5,400	6,500	7,700	8,900	10,200	11,500	12,800	14,100
			110°F	2,500	3,500	4,600	5,700	6,800	7,900	9,000	10,200	11,300	12,500
VSAG513ZXTHM*	32L3242-2ET2	3 1/4	95°F	5,800	6,700	7,600	8,600	9,700	11,000	12,300	13,700	15,200	16,800
			100°F	5,600	6,400	7,300	8,200	9,300	10,500	11,700	13,100	14,500	16,100
			110°F	5,000	5,800	6,600	7,500	8,400	9,500	10,600	11,800	13,100	14,500
AVA2515ZXNHN AVA2515ZXTHN	32L3144-2ET2 32L3145-2ET2	3 1/4	95°F	4,500	5,800	7,100	8,600	10,100	11,800	13,500	15,300	17,200	19,200
			100°F	-	4,800	6,200	7,700	9,200	10,800	12,400	14,100	15,900	17,700
			110°F	-	-	3,600	5,200	6,800	8,300	9,900	11,500	13,100	14,700
VSAG515ZXTHM*	32L3642-2ET2	3 3/4	95°F	6,900	7,800	8,900	10,100	11,300	12,700	14,100	15,500	16,900	18,400
			100°F	6,800	7,700	8,700	9,800	11,000	12,300	13,600	15,000	16,300	17,700
			110°F	6,300	7,000	7,900	8,900	10,000	11,100	12,300	13,500	14,800	16,000
VSAG517ZXTHM*	32L4242-2ET2	4 1/4	95°F	7,300	8,500	9,700	11,100	12,500	14,000	15,600	17,300	19,000	20,900
			100°F	7,200	8,300	9,400	10,700	12,100	13,500	15,100	16,700	18,400	20,200
			110°F	6,400	7,300	8,400	9,500	10,800	12,100	13,600	15,100	16,800	18,500
VSAG522ZXTHM*	32L5442-2ET2	5 1/2	95°F	8,500	10,100	11,900	13,600	15,500	17,500	19,700	21,900	24,400	27,000
			100°F	8,600	10,100	11,700	13,300	15,100	16,900	18,900	21,100	23,500	26,000
			110°F	8,300	9,500	10,800	12,200	13,600	15,300	17,000	19,000	21,100	23,500
VSAG529ZXTHM*	32L7242-2ET2	7 1/4	95°F	12,700	14,400	16,200	18,400	20,700	23,200	25,900	28,600	31,500	34,500
			100°F	12,400	13,900	15,700	17,700	19,900	22,300	24,900	27,600	30,400	33,200
			110°F	10,900	12,200	13,800	15,600	17,700	19,900	22,200	24,700	27,300	30,000

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.

Low Temperature											
Model Number	Item Number (Bill of Material)	Line Connections (in)		Pump Down Cap (lb) @ 90°F Ambient	Oil Type	Minimum Circuit Ampacity	Maximum Fuse Size (Amps)	Gross Weight lb (kg)	Dimensions (in)		
		Suction	Liquid						L	W	H
R404A LBP Application Range -40°F to 5°F (-40°C to -15.0°C) continued											
VSAG490ZXTHN*	32L2242-2ET2	7/8 ODF	1/2 ODF	20.09	POE	11.33	20	330 (149.7)	26	35	26
AVA2510ZXNHS	32L2116-2ET2	7/8 ODF	3/8 ODF	15.70	POE	21.18	35	250 (113.4)	26	27	26
AVA2510ZXTHS	32L2117-2ET2	7/8 ODF	3/8 ODF	15.70	POE	13.24	25	250 (113.4)	26	27	26
VSAG511ZXTHN*	32L2642-2ET2	7/8 ODF	1/2 ODF	20.09	POE	14.11	25	330 (149.7)	26	35	26
AVA2512ZXNHN	32L3140-2ET2	7/8 ODF	1/2 ODF	19.80	POE	21.88	40	280 (127.0)	26	35	26
AVA2512ZXTHN	32L3141-2ET2	7/8 ODF	1/2 ODF	19.80	POE	13.95	35	280 (127.0)	26	35	26
VSAG513ZXTHM*	32L3242-2ET2	7/8 ODF	1/2 ODF	32.84	POE	16.03	25	550 (249.5)	30	46	32
AVA2515ZXNHN	32L3144-2ET2	7/8 ODF	1/2 ODF	20.09	POE	27.65	50	280 (127.0)	26	35	26
AVA2515ZXTHN	32L3145-2ET2	7/8 ODF	1/2 ODF	20.09	POE	15.31	25	280 (127.0)	26	35	26
VSAG515ZXTHM*	32L3642-2ET2	7/8 ODF	1/2 ODF	32.84	POE	16.40	25	550 (249.5)	30	46	32
VSAG517ZXTHM*	32L4242-2ET2	7/8 ODF	1/2 ODF	32.84	POE	19.77	30	550 (249.5)	30	46	32
VSAG522ZXTHM*	32L5442-2ET2	7/8 ODF	1/2 ODF	37.02	POE	24.52	40	600 (272.1)	30	46	32
VSAG529ZXTHM*	32L7242-2ET2	7/8 ODF	1/2 ODF	37.02	POE	26.37	45	600 (272.1)	30	46	32

* VSA model number indicates scroll compressor. All other models use reciprocating compressors.



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