



Cased/Uncased Coils For Gas And Oil Furnaces



RCFL- Series

featuring Industry Standard R-410A
Refrigerant
Airflow Capacity
600-1,900 CFM [283-897 L/s]



- Ruud® Indoor Coils are designed for use with Ruud outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Ruud outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 48,000 BTU/HR [14.06 kW].
- Constructed of aluminum fins bonded to internally grooved copper tubing.
- Tin plated copper tubing in the finned area for superior corrosion resistance in harsh environments.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have sweat refrigerant connections.
- Ideally suited for new installations or add on air conditioning.
- Feature two sets of 3/4" [14.1 mm] N.P.T. Condensate drain connections for ease of connection.
- Coils are AHRI certified for system application with variety of Ruud outdoor units.
- Condensate drain pan is constructed of high grade, heat resistant, corrosion free thermal-set material.
- Compatible with Germicidal Light System (UV resistant)
- Bi-Directional airflow eliminates the need to switch any internal components from horizontal left to right.
- Unique drain pan design maximizes application flexibility and condensate removal.
- Universal Duct Flanges are included with all coil models.

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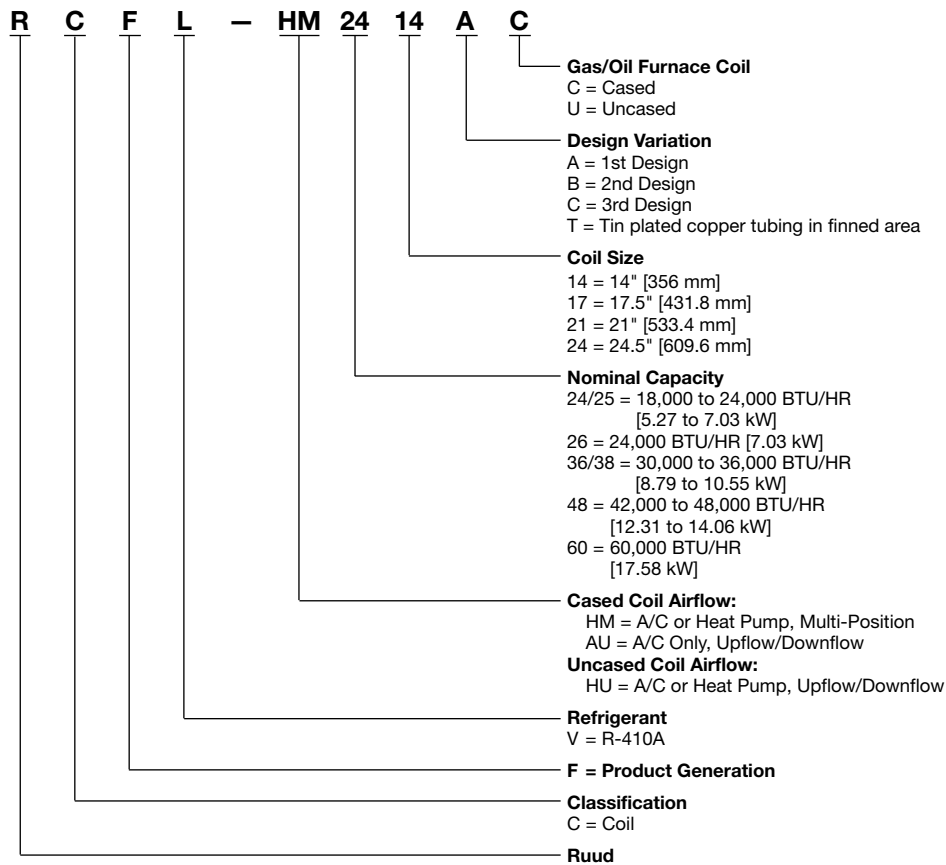
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Model Number Identification



Available Models of RCFL Coils	
RCFL-HM2414CC	RCFL-HU2514CU
RCFL-HM2514CC	RCFL-HU2417CU
RCFL-HM2417CC	RCFL-HU3617CU
RCFL-HM3617CC	RCFL-HU3621CU
RCFL-HM3621CC	RCFL-HU4821CU
RCFL-HM4821CC	RCFL-HU4824CU
RCFL-HM4824CC	RCFL-HU6024CU
RCFL-HM6024CC	RCFL-HU3821CU
RCFL-HM3821CC	RCFL-HU3824CU
RCFL-HM3824CC	RCFL-HU2617CU
RCFL-HM2617CC	RCFL-HU2621CU
RCFL-HM2621CC	RCFL-HU2414TU
RCFL-AU2414CC	RCFL-HU2514TU
RCFL-AU2514CC	RCFL-HU2617TU
RCFL-AU2417CC	RCFL-HU2621TU
RCFL-AU3617CC	RCFL-HU2417TU
RCFL-AU3621CC	RCFL-HU3617TU
RCFL-AU4821CC	RCFL-HU3621TU
RCFL-AU4824CC	RCFL-HU4821TU
RCFL-AU6024CC	RCFL-HU4824TU
RCFL-AU3821CC	RCFL-HU6024TU
RCFL-AU3824CC	RCFL-HU3821TU
RCFL-HU2414CU	RCFL-HU3824TU

Table 1: Coil Specifications/Airflow Pressure Drop

Coil Model RCFL	Approx. Design Air Flow CFM [L/s] Range	Face Area Sq. Ft. [m²]	Fins-in. Rows Deep	Static Pressure Drop Through Wet Cooling Coil [kPa] (Inches W.C.) CFM [L/s]														
				600 [285]	700 [330]	800 [380]	900 [425]	1000 [470]	1100 [519]	1200 [565]	1300 [614]	1400 [660]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]	
HIGH EFFICIENCY COOLING COILS																		
2414	600/1000 [283/472]	4.56 [0.42]	16/2	.17 [.043]	.21 [.053]	.25 [.063]	.31 [.080]	.40 [.100]	.46 [.117]	—	—	—	—	—	—	—	—	
2417	600/1000 [283/472]	4.56 [0.42]	16/2	.15 [.039]	.19 [.049]	.23 [.059]	.30 [.076]	.38 [.096]	.45 [.113]	—	—	—	—	—	—	—	—	
2514	600/1000 [283/472]	4.56 [0.42]	16/2	.22 [.055]	.29 [.072]	.36 [.090]	.44 [.110]	.52 [.130]	.576 [.144]	—	—	—	—	—	—	—	—	
2617/3617	900/1400 [424/661]	5.70 [0.53]	16/2	—	—	.17 [.043]	.21 [.053]	.26 [.064]	.31 [.080]	.36 [.092]	.41 [.103]	—	—	—	—	—	—	
2621/3621	900/1400 [424/661]	5.70 [0.53]	16/2	—	—	.15 [.038]	.18 [.047]	.23 [.058]	.27 [.069]	.31 [.080]	.37 [.094]	—	—	—	—	—	—	
3821/4821	1200/1800 [566/850]	8.55 [0.79]	16/2	—	—	—	—	—	—	.22 [.056]	.25 [.063]	.28 [.071]	.32 [.081]	.36 [.092]	.41 [.103]	—	—	
3824/4824	1200/1800 [566/850]	8.55 [0.79]	16/2	—	—	—	—	—	—	.22 [.056]	.25 [.063]	.28 [.071]	.32 [.081]	.32 [.081]	.41 [.103]	—	—	
6024	1600/1900 [755/897]	9.98 [0.93]	14/3	—	—	—	—	—	—	—	—	—	—	.27 [.070]	.30 [.076]	.34 [.084]	.37 [.094]	

NOTE: Represents Coil-Only Airflow Ratings

[] Designates Metric Conversions

Table 2: Coil Dimensions and Weights

Coil Model RCFL	Connections		Cased Coil Dimensions (in) [mm]			Weight	
	Sweat (in.) [mm]						
	Liquid	Suction	A	B	C	Coil Weight (lbs.) [Kg.]	Shipping Weight (lbs.) [Kg.]
	I.D.	I.D.					
2414*/2514*	3/8 [9.53]	3/4 [19.05]	14 [356]	21 [533]	23 ³ /16 [584]	46 [21]	50 [23]
2417	3/8 [9.53]	3/4 [19.05]	17 ¹ /2 [445]	14 ¹ /2 [368]	20 [508]	46 [21]	51 [23]
2617/3617	3/8 [9.53]	3/4 [19.05]	17 ¹ /2 [445]	17 ⁷ /8 [454]	20 [508]	52 [24]	57 [26]
2621/3621	3/8 [9.53]	3/4 [19.05]	21 [533]	17 ¹ /2 [445]	20 [508]	54 [24]	60 [27]
3821/4821	3/8 [9.53]	7/8 [22.23]	21 [533]	25 ⁷ /8 [657]	28 [711]	76 [34]	83 [38]
3824/4824	3/8 [9.53]	7/8 [22.23]	24 ¹ /2 [622]	25 ³ /8 [645]	32 [812]	89 [40]	99 [45]
6024	3/8 [9.53]	7/8 [22.23]	24 ¹ /2 [622]	30 ¹ /4 [768]	32 [812]	108 [49]	118 [55]

*The 14 inch, 2 ton RCFL coil (2414) is part of the “N-Coil” design series, even though the coil shape resembles an “A” coil design.

FIGURE 1: DIMENSIONS

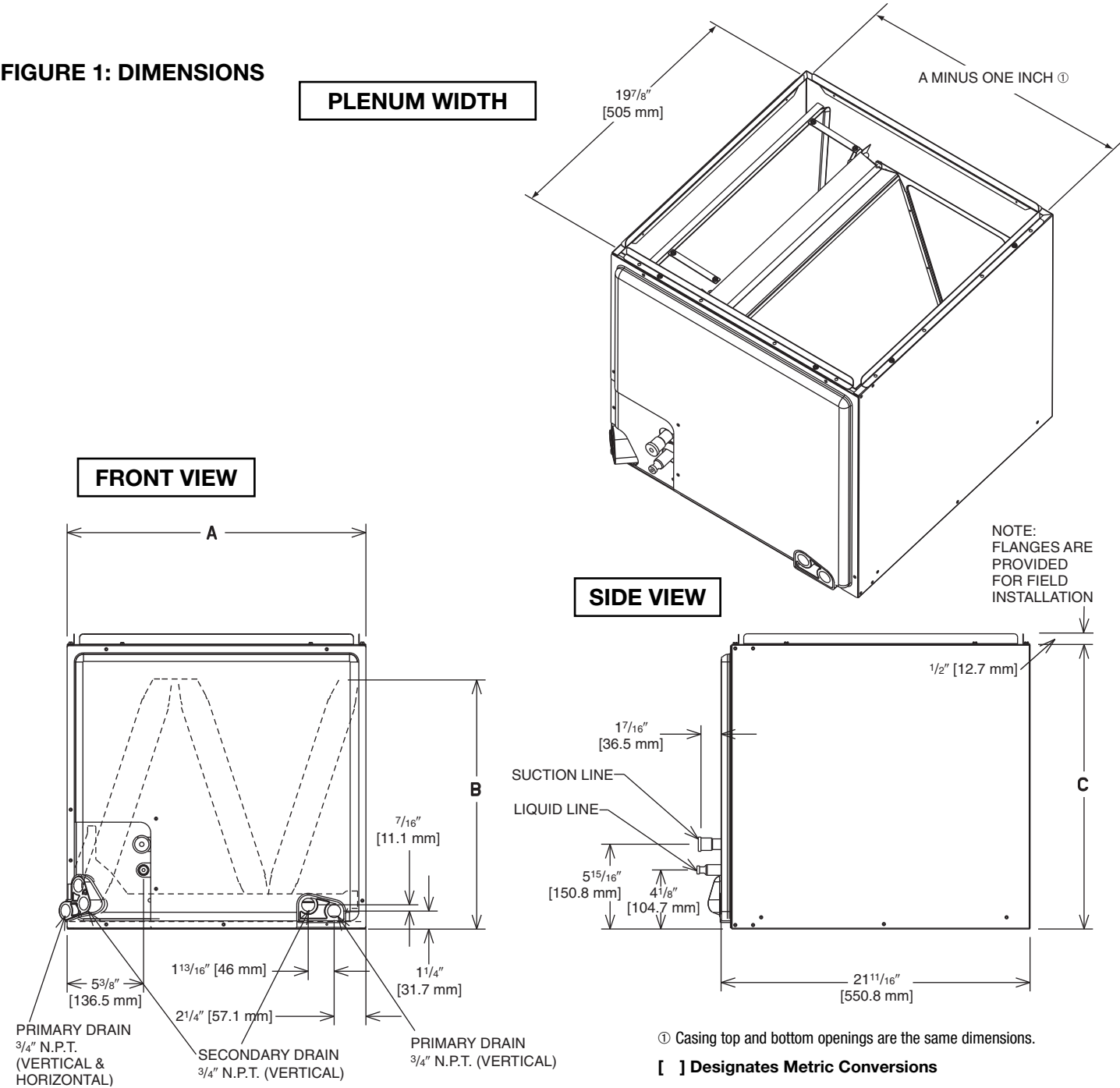


Table 3: Coil Application

Coils can be matched to heating products as listed in table below.

Coil Model RCFL	Furnace Width (in.) (mm)	
	Oil	Gas
2414 2417 2514 2617 3617	—	14 [356]
2417 2617 3617	21 [533]	17 1/2 [444] 14 [356]
2621 3621 3821 4821	21 [533]	21 [533] 17 1/2 [444]
3824 4824 6024	24 1/2 [622]	24 1/2 [622] 21 [533]

*Note: Due to the proximity of the drain pan to the high temperature oil furnace drain, horizontal left application is not permitted on all oil furnaces.

Accessories

• PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 24 1/2" wide cased indoor cooling and heat pump coils. This allows a 24 1/2" wide cased coil to be installed on a 28" wide oil furnace. This is a field-installed accessory only.

• RXBA-AC (Upflow/Horizontal)

These plenum adapter accessories are for use when a cooling coil is matched with a gas furnace of one smaller size.

• HORIZONTAL ADAPTER KIT RXHH (See Figure 2)

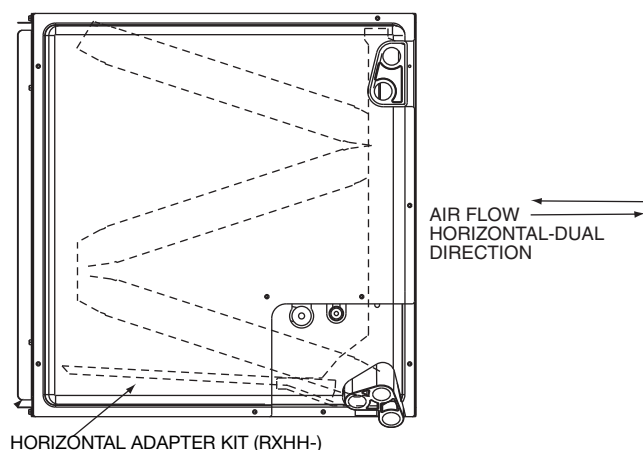
This horizontal adapter kit is used to convert a upflow or downflow coil for a horizontal application. See Table 4 to order the proper horizontal adapter kit.

*Note: The horizontal adapter kit cannot be used for RCFL-AU****BC applications. It can only be used on RCFL-AU****AC applications and for RCFL-HU****AC applications.

Table 4: Horizontal Adapter Kit Model No.

Coil Model	Horizontal Adapter Kit Model No.
2414/2514	RXHH-A01
2417	RXHH-A02
3617/3621	RXHH-A03
4821/4824	RXHH-A04

FIGURE 2: HORIZONTAL ADAPTER KIT ILLUSTRATION



• INDOOR COIL CASING- RXBC (See Table 5)

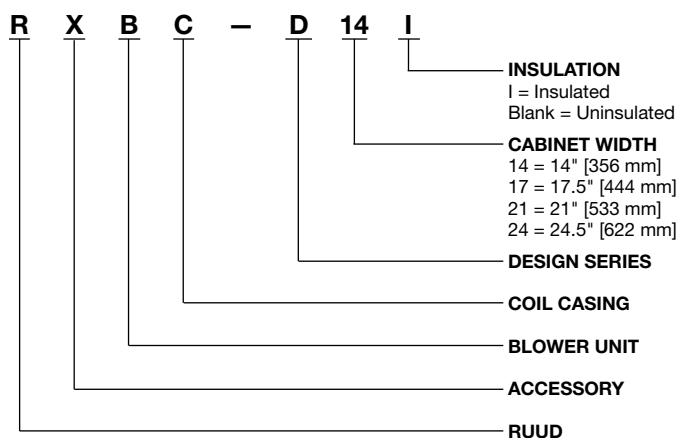


Table 5: Unit Dimensions and Weights- RXBC Indoor Coil Casings

Model Number	Width (in.) [mm]	Height (in.) [mm]	Depth (in.) [mm]	Unit Weight		Supply Air/Return Air Openings	
				Weight (lbs.) [Kg.]	Ship. Wt. (lbs.) [Kg.]	Width (in.) [mm]	Depth (in.) [mm]
RXBC-D14AI	14 [356]	23 3/16 [589]	21 5/8 [549]	19 [9]	23 [10]	13 [330]	19 31/32 [508]
RXBC-D17AI	17 1/2 [445]	20 [508]		18 [8]	23 [10]	16 1/2 [419]	
RXBC-D21AI	21 [533]	20 [508]		20 [9]	26 [12]	20 [508]	
RXBC-D21BI	21 [533]	28 [711]		27 [12]	36 [17]	20 [508]	
RXBC-D24AI	24 1/2 [622]	32 1/2 [826]		34 [16]	44 [20]	23 1/2 [597]	

Table 6: Uncased Coil Adapter Kit

Uncased Coil Adapter Model Number RXBA	A Width (in.) [mm]	Uncased Coil Model RCFL
B14x20	13 1/8 [333]	-HUxx14
B17x20	16 5/8 [422]	-HUxx17
B21x20	20 1/8 [511]	-HUxx21
B24x20	23 5/8 [599]	-HUxx24

[] Designates Metric Conversions

Accessories (cont.)

• UNCASED COIL ADAPTER KIT

RXBA- (See Figure 3 & 4)

This uncased coil adapter kit is used to adapt the coil to a furnace or ductwork. See Table 6 to order the proper adapter kit. Each kit contains a quantity of 20 adapters.

FIGURE 3: UNCASED COIL ADAPTER KIT ILLUSTRATION

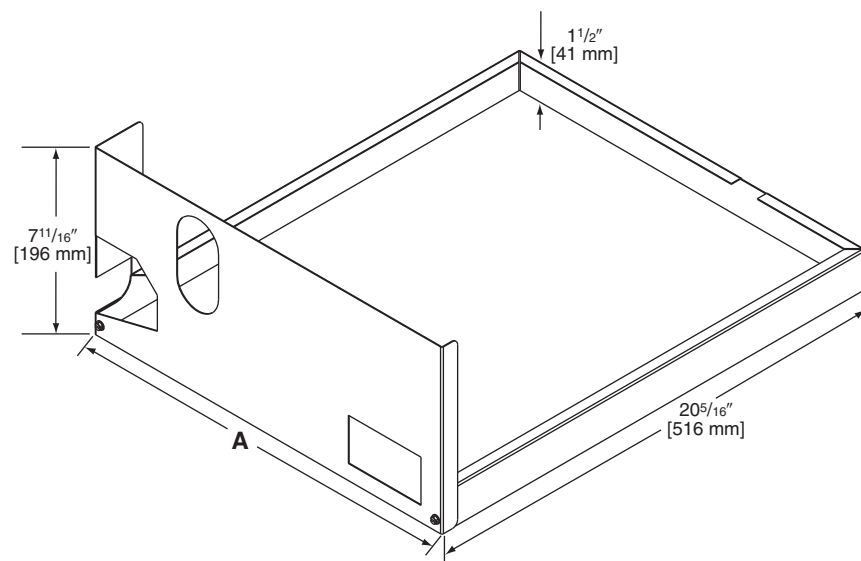
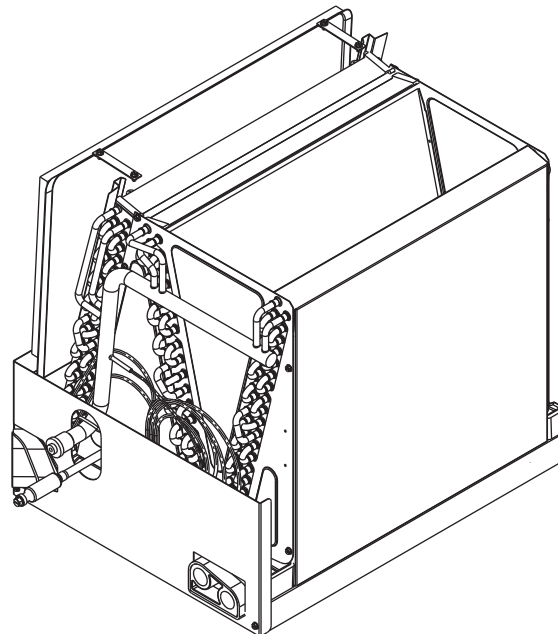


FIGURE 4: UNCASED COIL ADAPTER KIT ASSEMBLED



Note: Sliding the coil into the coil rail before attaching coil rack front.

[] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Parts.....Five (5) Years
Conditional Parts (Registration Required)Ten (10) Years



In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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