Rheem

AVIA®

POOL AND SPA HEATER

POOL NATION
HEATER OF THE YEAR 2023

EXCLUSIVE HEAT EXCHANGER TECHNOLOGY

NiTek™

Easy to Install | Strength & Durability | Mobile App Control

PROUDLY BASED IN THE U.S.A

AVIA®

HEAT SMARTER
PLAY HARDER

Managing your pool heater has never been easier. AVIA is built with an innovative Wi-Fi enabled control system that allows you to manage your pool heater through our Raymote® Mobile App. No need for a separate control panel to manage your pool heater.

KEY FEATURES:

Heater Control VOC
All controls are built right into the AVIA. Enabling you to automate and manage your pool temperature with ease.

Scheduling VOC PATENTED
AVIA estimates heating time by factoring in your pool size and set temperature, gradually learning the optimal heating duration over time.

Operation Manager VOC
Manage your heater and one accessory.

Integrated Wi-Fi VOC
Provides cloud connection for real-time service alerts and control from anywhere.

ProTek Shield™
A replaceable module that protects the heat exchanger and extends the life of the unit.

**Raymote®
Temperature & Heater Control** VOC
Raymote Mobile App allows you on-the-go control of your pool temperature and more.

Small & Easy to Install VOC
AVIA weighs under 140 pounds and has a base foot print of 2'x2' making it an ideal install on a standard equipment pad.

Installation Versatility VOC
AVIA's top with control panel can be rotated 360° giving you more installation options.*

Serviceability
AVIA's patented straight tube heat exchanger design makes it the most serviceable in the market.

Efficiency
All AVIA models have an 84% thermal efficiency rating and are Low NOx certified.

VOC **Voice of the Customer**

*360 degrees on AVIA® is applicable when vent side is ducted.

MOBILE APP
CONTROL

**Integrated Wi-Fi and
Raymote® Temperature Control**
Connect via a mobile device for real-time service alerts and scheduling. Raymote Mobile App allows you full control of your pool heater, set your temperature from anywhere.
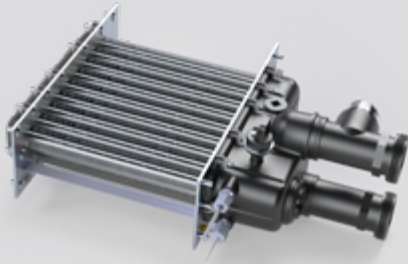
SELF-PROTECTION
TECHNOLOGY

ProTek Shield™
A cutting-edge module that cuts down galvanic corrosion to the heat exchanger due to ionic migration. Excellent for use in pools sanitized by salt water chlorination.

STRAIGHT TUBE
HEAT EXCHANGER

Straight tube design on both copper and NiTek™ models
Our heat exchangers last longer thanks to our straight tube design. By eliminating bends and helical coils we have reduced unnecessary friction in critical areas.

DROP-IN REPLACEMENT

AVIA water and gas connections line up for easy drop-in replacement. The lightweight design, small footprint, and 360° top rotation makes for easy install and quick serviceability.

Scan the QR code to download the full Drop-In Replacement guide and upgrade to an AVIA today!

SCAN HERE

AVIA + Raymote

CONTROL FROM ANYWHERE

You can also control your AVIA settings from across the street — or across town — right from your phone. Whether adjusting the pool heater temperature or checking on heater status, it's all possible through your Raymote remote Wi-Fi connection.

24/7 Access
Remotely monitor your pool or spa heaters from anywhere, anytime, with touch-of-a-button access.
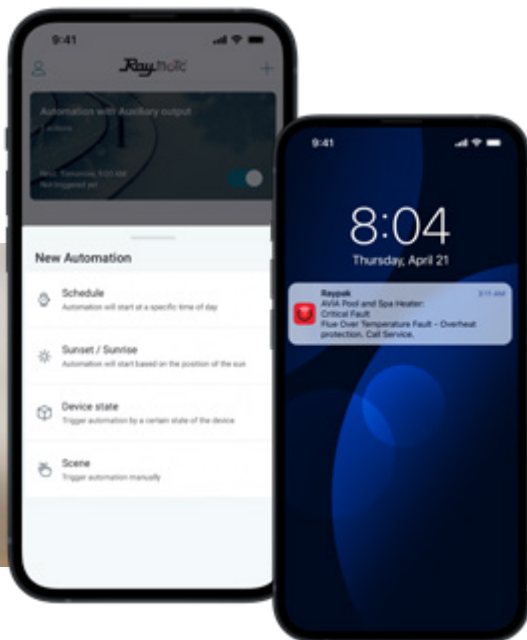
Stay Informed
Real-time updates notify you of any service or maintenance needs so your heater and pool are always ready to be used.

Heater Control
AVIA's heater control within the Raymote App makes it easy to manage your pool/spa and keep it at the perfect temperature.

Route Management
Track heater status and service alerts to help dispatch technicians and/or schedule daily, weekly routes.
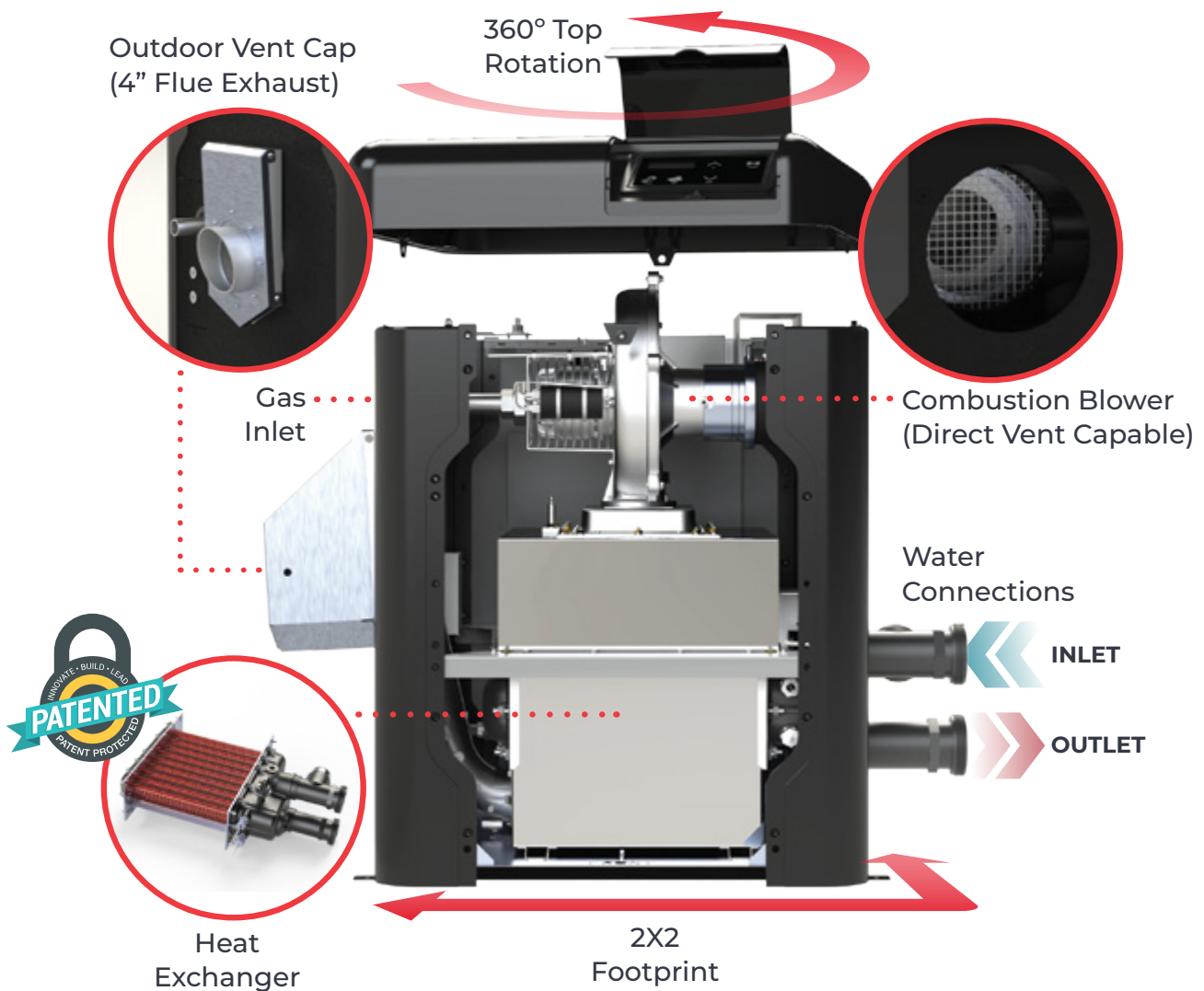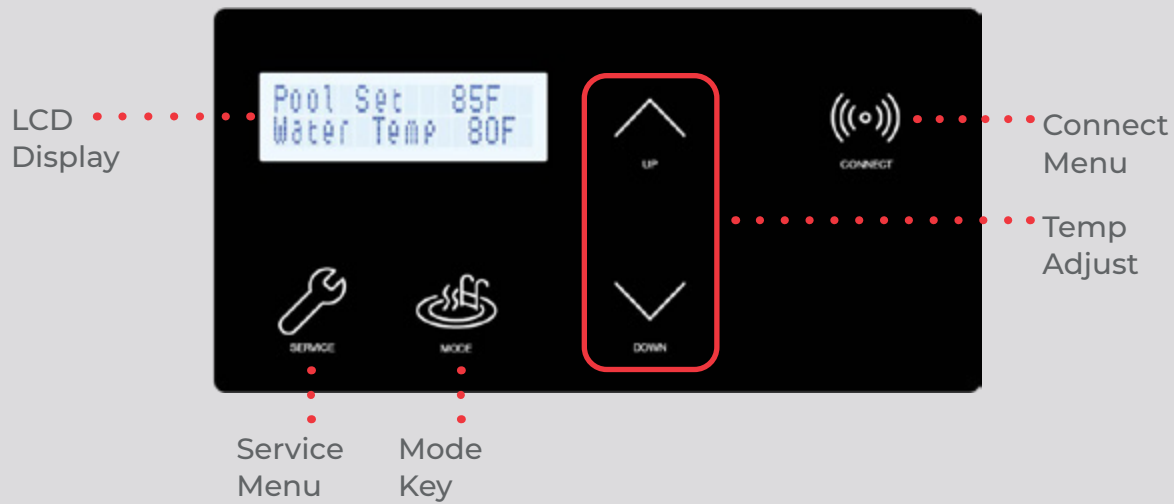
Download the free Raymote Mobile App today!

Available on the App Store

GET IT ON Google Play

Raymote

STRAIGHT FORWARD CONTROLS

AVIA is built with a sophisticated control system that allows you to manage your heater through its easy to use, capacitive touch control interface.

LCD Display

Pool Set   85F
Water Temp 80F

UP

DOWN

CONNECT

SERVICE

MODE

Connect Menu

Temp Adjust

Service Menu

Mode Key

Outdoor Vent Cap (4" Flue Exhaust)

360° Top Rotation

Gas Inlet

Combustion Blower (Direct Vent Capable)

Water Connections

INLET

OUTLET

PATENTED
INNOVATE • BUILD • LEAD
PATENT PROTECTED

Heat Exchanger

2X2 Footprint

With three patents and two patents pending, AVIA is the most innovative product on the market!

HEAT WITH EFFICIENCY

AVIA®

SUSTAINABILITY

Rheem® is committed to taking a greater degree of responsibility for future generations. To learn more about our sustainability initiatives, visit

Rheem.com/Sustainability

A GREATER DEGREE OF GOOD™

CO2 Impact Indicator

13 million+
Trees Saved

Choosing this product instead of a minimum efficiency alternative offsets CO2 emissions equivalent to planting this number of trees over the product's lifetime.

* Since 2019 the amount of CO2 savings for all products is equal to 13 million trees... and growing!

The CO2 Impact Score

The reduced CO2 impact of selecting a high efficiency Rheem product instead of a minimal efficiency alternative is reflected in the product's CO2 impact score. This score provides a simple means of measuring the reduced CO2 emissions compared with a minimal efficiency alternative. The CO2 Impact Score is internally calculated based on a typical product lifetime and does not denote a third party certification/seal.

Max efficiency is assumed for all units at all times for all Treescore calculations. Total environment benefit numbers are achieved by multiplying benefit/yr with Heat-exchanger or Thermal-shock warranty to get total benefit over the course of life of the product. Values used for CO2 emitted per million BTUs are 117lb tor NAT GAS, 139lb for PROPANE. US electrical grid's average carbon footprint of 270lb/million BTUs is used as electricity carbon footprint. Runtime for units is assumed to be: Pool= 1600hrs/year, Commercial=2000hrs/year. All products are compared to their min. efficiency counterparts based on application/ use. (Example: HPPH is compared to NAT GAS Pool heater). For all calculations heaters with same BTU rating (heating capacity) are compared to baseline heaters with min. efficiency as per US regulatory authorities. Treescore is calculated based on lesser CO_2 emitted by our products vs CO_2 absorbed by trees. (CO^2 absorbed over 10years by a new average seedling planted today is 132.27lb). Lesser CO_2 emitted calculations exclude CO_2 footprint of building and recycling the product. Environmental benefit is only applicable for the time for which the higher efficiency product is used by customer.

NiTek™
HEAT EXCHANGER TECHNOLOGY

INDUSTRY FIRST
TECHNOLOGY

LONGEVITY

NiTek reduces more than 50% scale formation[1] and has 900% more nickel compared to cupronickel in critical surfaces. [2]

🍃 EFFICIENCY

NiTek produces up to 2% more thermal efficiency than cupronickel, and the same thermal efficiency as copper.[3]

STRENGTH

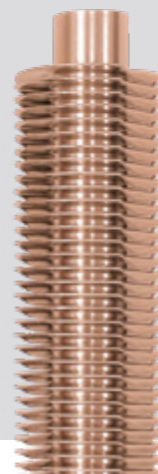NiTek is 300% more erosion resistant than copper, and 200% more than cupronickel.[4]

300% more erosion resistant than copper

200% more than cupronickel

NiTek

CuNi

Cu

Disclaimers:
1. Hardwater : CaCO3 content of 386 PPM has been used as the criteria for hardwater. Based on hardwater scale testing (CaCO3 content of 386 PPM). Based on lab reliability data.

2. Based on material composition information from Raypak Series XXII Cu-Ni product, AVIA HD (Ni-coated) greater than 90% vs 10%.
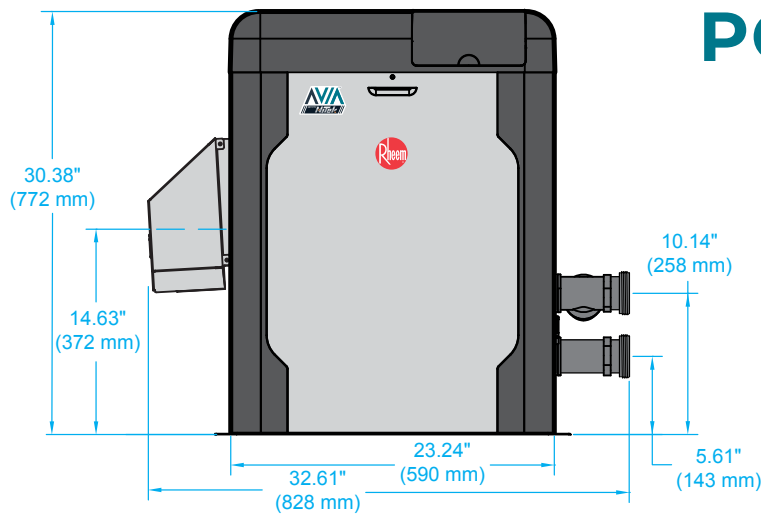
3. Based on the thermal efficiency testing collected with AVIA Ni-coated samples vs Raypak series XXII CU-Ni.

4. Based on ASTM G73-10 (2017) – material durability (liquid impingement erosion test).
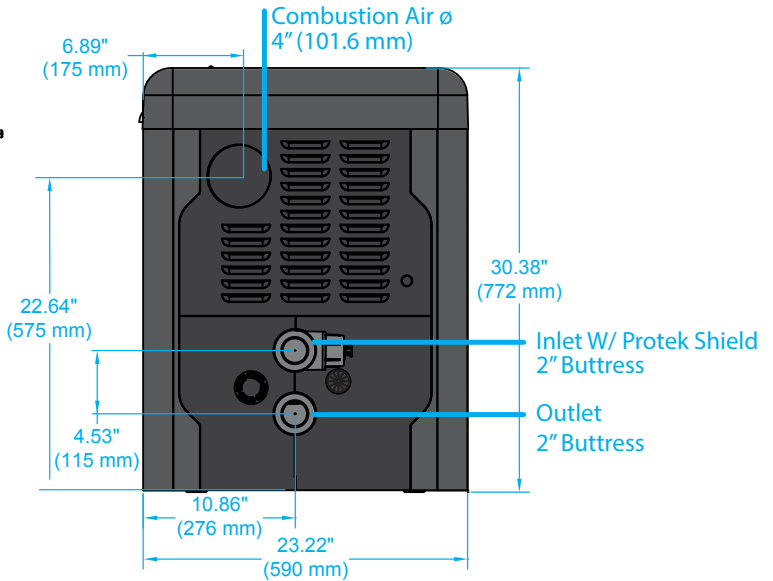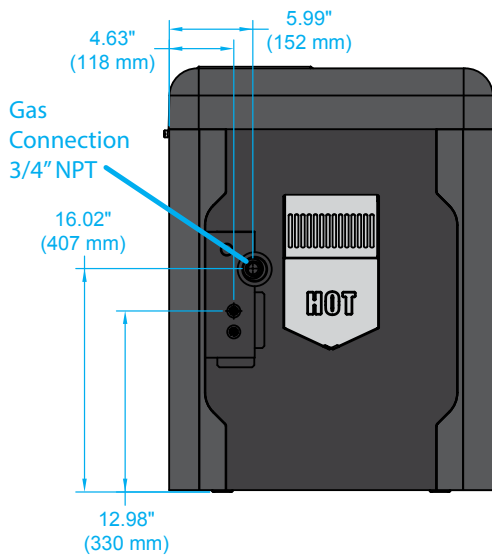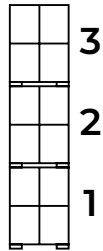
POOL & SPA HEATER
MODELS
264A & 404A

30.38" (772 mm)

14.63" (372 mm)

10.14" (258 mm)

5.61" (143 mm)

23.24" (590 mm)

32.61" (828 mm)

LEFT SIDE

4.63" (118 mm)

5.99" (152 mm)

Gas Connection 3/4" NPT

16.02" (407 mm)

HOT

12.98" (330 mm)

Stack 3 pallet high MAX

3
2
1

FRONT

6.89" (175 mm)

22.64" (575 mm)

4.53" (115 mm)

RIGHT SIDE

Combustion Air ø 4" (101.6 mm)

30.38" (772 mm)

Inlet W/ Protek Shield 2" Buttress

Outlet 2" Buttress

10.86" (276 mm)

23.22" (590 mm)

Model No.	Part No.	MBTUH Input (kWh)	Thermal Efficiency %	Gas Type	ELEVATION FT. *	Flue ø in. (mm)	Unit Weight lbs. (kg)	Shipping Weight lbs. (kg)
NiTek Heat Exchanger								
P-M264A-EN-N	018080	264 (77.4)	84	Natural	0-10000	4 (101.6)	135 (61.2)	155 (70.2)
P-M264A-EP-N	018086	264 (77.4)	84	Propane	0-4500	4 (101.6)	135 (61.2)	155 (70.2)
P-M404A-EN-N	018081	399 (116.9)	84	Natural	0-10000	4 (101.6)	135 (61.2)	155 (70.2)
P-M404A-EP-N	018087	399 (116.9)	84	Propane	0-4500	4 (101.6)	135 (61.2)	155 (70.2)
Copper Heat Exchanger								
P-M264A-EN-C	018068	264 (77.4)	84	Natural	0-10000	4 (101.6)	135 (61.2)	155 (70.2)
P-M264A-EP-C	018074	264 (77.4)	84	Propane	0-4500	4 (101.6)	135 (61.2)	155 (70.2)
P-M404A-EN-C	018069	399 (116.9)	84	Natural	0-10000	4 (101.6)	135 (61.2)	155 (70.2)
P-M404A-EP-C	018075	399 (116.9)	84	Propane	0-4500	4 (101.6)	135 (61.2)	155 (70.2)

* This product is approved up to 4,500 ft of elevation per CAN/CGA-2.17-M91. Rated inputs are suitable for up to 4,500 feet (1371 m) elevation.
Approved up 10,000 ft for natural gas; Liquid Propane approved to 4501-7800 ft using kit 018762F.

ProTek Shield Replacement Kit	Part No.
ProTek Shield Module	017960F
ProTek Shield Bulk Pack (25 PCS)	018847F