Raypak®
A Rheem® Company

AVIA™

The first and only pool/spa heater with a built-in advanced Wi-Fi enabled control system!

AVIA™

POOL AND SPA HEATER

New, exclusive heat exchanger technology.

NiTek™

Now available on **AVIA.**

Intelligent Insight | Smarter Controls | Self-Protection Technology

HEAT SMARTER
PLAY HARDER

Managing your pool heater has never been easier or smarter. AVIA is built with an innovative Wi-Fi enabled control system that allows you to manage your pool heater and one accessory through the Raymote app. No need for a separate control panel to manage your pool heater.

KEY FEATURES:

Smart Heater Control VOC
Smart heater built right into the AVIA. Enables you to automate and manage your pool temperature.

Smart Scheduling VOC
AVIA heats and learns the size of your pool and will let you know when your pool is ready at your set temperature.

Smart Operation Manager VOC
Enables you to manage your heater, one accessory, and scheduling.

Integrated Wi-Fi VOC
Provides a smart connection for real-time service alerts & control from anywhere.

ProTek Shield™
Is a cutting-edge module, exclusive to Raypak, that protects the heat exchanger from corrosion, prolonging the life of the AVIA pool heater.

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 on 3 sides 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 NO_X certified.

VOC **Voice of the Customer**

INTELLIGENT
INSIGHT
Integrated Wi-Fi
Provides a smart connection for real-time service alerts and control from anywhere.

SMARTER
CONTROLS
Raymote Temperature and Heater Control
Raymote Mobile App allows you on-the-go control of your pool temperature and more.

SELF-PROTECTION
TECHNOLOGY
ProTek Shield™
Is a cutting-edge module that protects the heat exchanger from corrosion, prolonging the life of the AVIA pool heater.

PATENTED
PATENT PROTECTED
INNOVATE • BUILD • LEAD

ProTek Shield module.

SMART OPERATION
MANAGER

AVIA can monitor and control your pool heating experience plus one accessory. For pool owners looking to level up their pool of spa experience using Wi-Fi control, AVIA provides full pool heater control out of the box.

System Filter

AVIA pairs natively with our Protégé VSP (Variable Speed Pump) to create a uniquely Raypak pool heating experience – all controlled from the onboard control, or the Raymote App.

AVIA out of the box can control one accessory,
Raypak Protégé VSP + one on/off accessory (3 Amp max).

AVIA with the Protégé VSP.

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 other pool functions, 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.

Smart Heater Control
AVIA's smart heater control within the Raymote App makes it easy to manage your pool/spa and keep it at the perfect temperature.
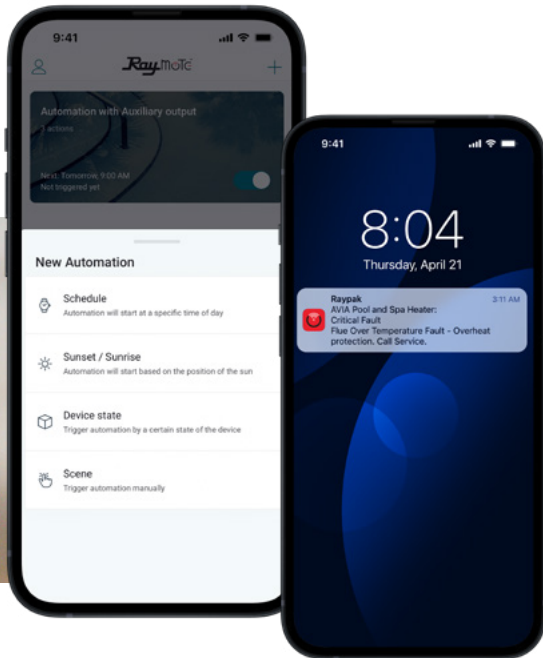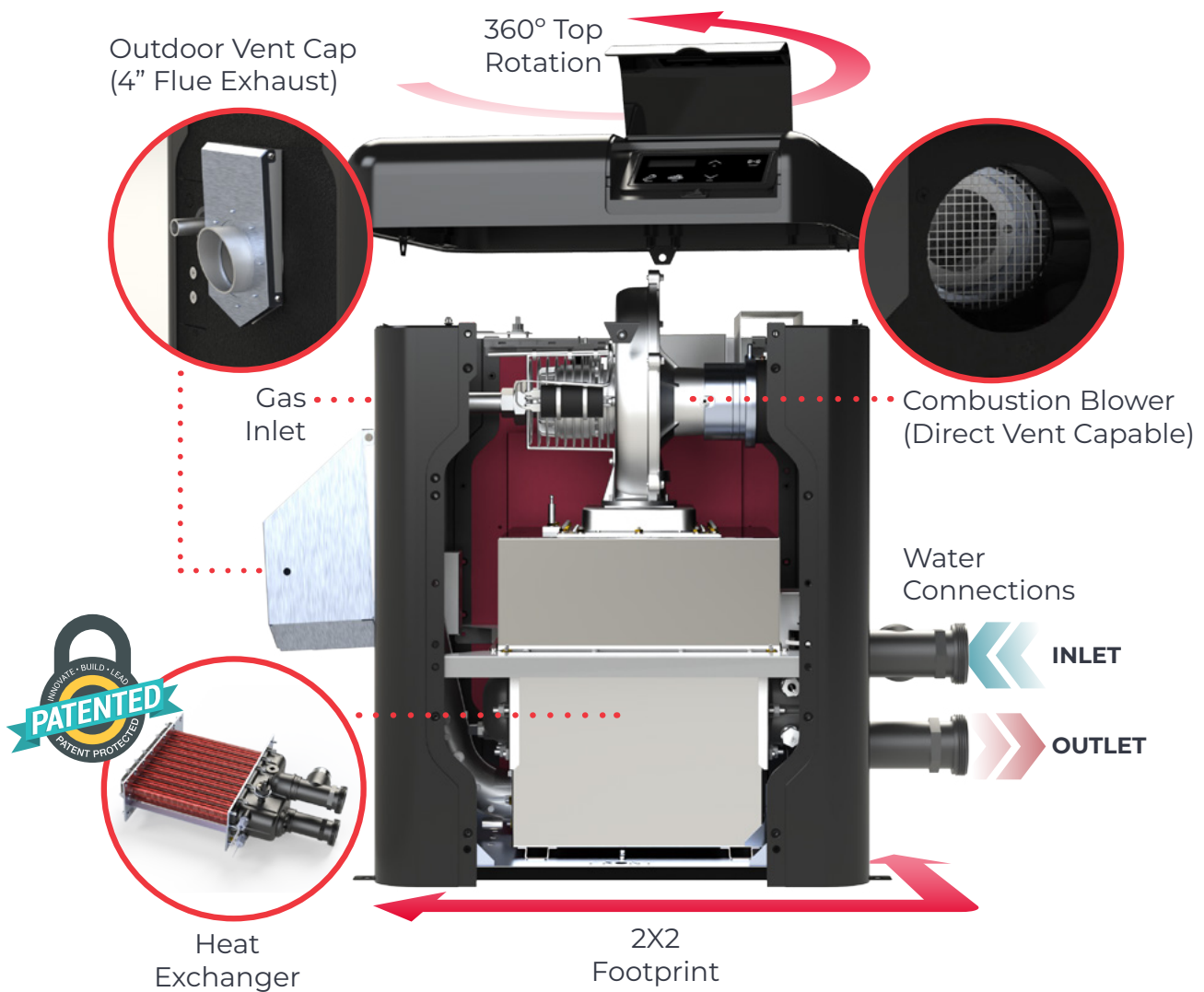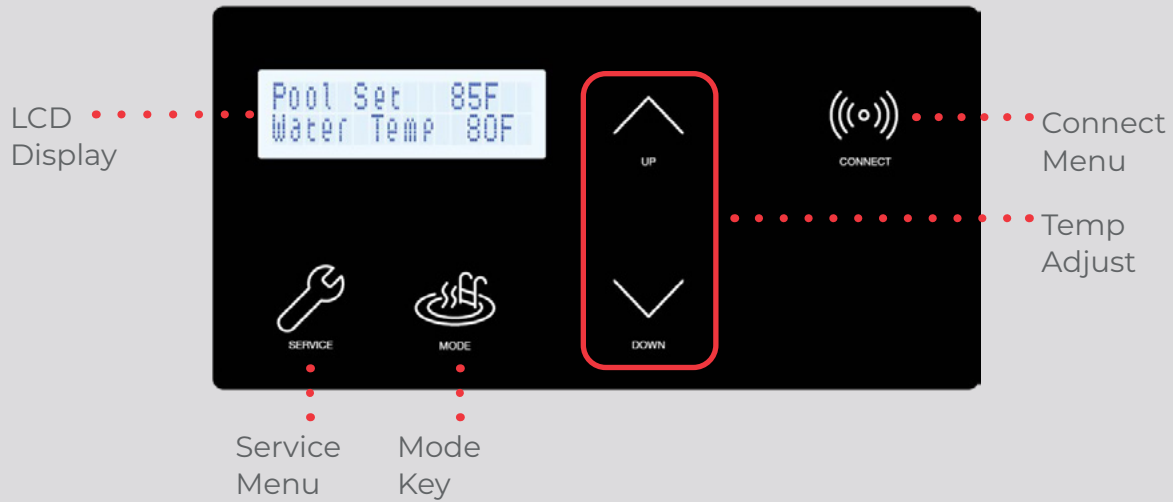
Download the free Raymote Mobile App today!

Available on the App Store

GET IT ON Google Play

SMARTER CONTROLS

Managing your pool heater has never been easier. AVIA is built with a sophisticated control system that allows you to manage your heater through its easy to use 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!

AVIA™

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

Raypak.com/Sustainability

A GREATER DEGREE OF GOOD ™

CO2 Impact Indicator

6,285 Trees /LIFETIME

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

*Based on a typical 20 year product lifetime

The CO2 Impact Score

The reduced CO2 impact of selecting a high efficiency Raypak 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 waffanty 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]

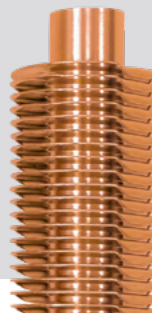### *300% more erosion resistant than copper*

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.
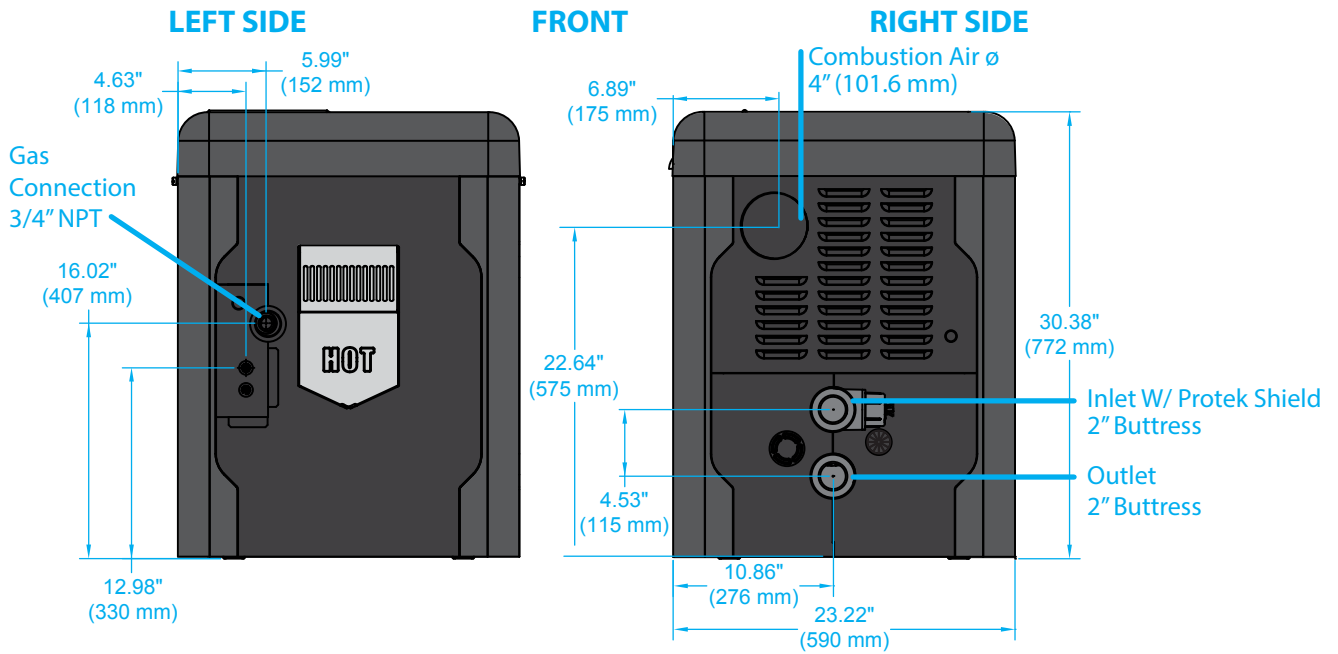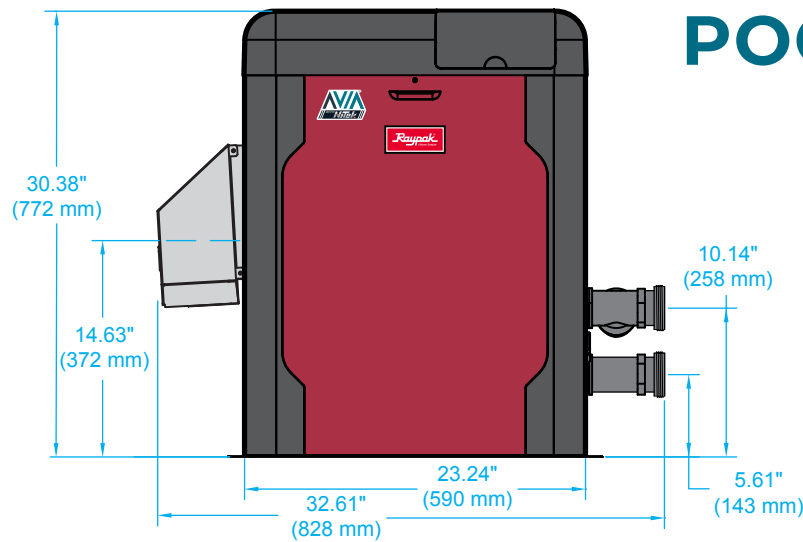
2. Based on material composition information from Raypak Series XXII Cu-Ni product, AVIA HD (Ni-coated) greater than 90% vs 10%.

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
264 & 404

30.38"
(772 mm)

14.63"
(372 mm)

10.14"
(258 mm)

23.24"
(590 mm)

32.61"
(828 mm)

5.61"
(143 mm)

LEFT SIDE

FRONT

RIGHT SIDE

4.63"
(118 mm)

5.99"
(152 mm)

Gas
Connection
3/4" NPT

16.02"
(407 mm)

HOT

12.98"
(330 mm)

6.89"
(175 mm)

Combustion Air ø
4" (101.6 mm)

22.64"
(575 mm)

30.38"
(772 mm)

Inlet W/ Protek Shield
2" Buttress

Outlet
2" Buttress

4.53"
(115 mm)

10.86"
(276 mm)

23.22"
(590 mm)

Model No.	Tree Score	Part No.	Gas Type	ELEVATION FT. *	MBTUH Input (kWh)	Flue ø in. (mm)	Unit Weight lbs. (kg)	Shipping Weight lbs. (kg)
Copper Heat Exchanger								
P-R264A-EN-C	12	018032	Natural	0-10000	264 (77.4)	4 (101.6)	135 (61.2)	155 (70.2)
P-R264A-EP-C	12	018038	Propane	0-4500	264 (77.4)	4 (101.6)	135 (61.2)	155 (70.2)
P-R404A-EN-C	18	018033	Natural	0-10000	399 (116.9)	4 (101.6)	135 (61.2)	155 (70.2)
P-R404A-EP-C	18	018039	Propane	0-4500	399 (116.9)	4 (101.6)	135 (61.2)	155 (70.2)
NiTek Heat Exchanger								
P-R264A-EN-N	12	018044	Natural	0-10000	264 (77.4)	4 (101.6)	135 (61.2)	155 (70.2)
P-R264A-EP-N	12	018050	Propane	0-4500	264 (77.4)	4 (101.6)	135 (61.2)	155 (70.2)
P-R404A-EN-N	18	018045	Natural	0-10000	399 (116.9)	4 (101.6)	135 (61.2)	155 (70.2)
P-R404A-EP-N	18	018051	Propane	0-4500	399 (116.9)	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.