

Introducing . . .

INTEGRITY™

The world's longest lasting condensing combi boiler!

Featuring Energy Kinetic's® exceptional residential **lifetime limited warranty** on the pressure vessel and condensing Energy Manager!*



- **Exceptional heat and hot water savings with Hybrid Energy Recovery.®**
- **Whisper quiet! Made in the USA!**
- **Fires at rates up to 200,000 BTU!**
- **Engineered to last 30+ years with Fire Tube design!**





UP TO **95.2 AFUE**

Integrity Combi wall-hung model

* See actual warranty for details.

Energy Kinetics introduces . . . Integrity Combi!



Integrity Combi floor model

Integrity Combi is a new modulating condensing gas boiler with off-the-shelf safety controls and industry standard parts, including a Hydrostat, the Carlin 60200 Primary Control, a Carlin ignitor, and a factory-installed Caleffi mixing valve.

Integrity Combi also incorporates Energy Kinetics' made-in-USA condensing ***316L Fire Tube Boiler Platform*** featuring ***wide open*** flue and water passes for cleaner operation and ease of service.

Choose between 120,000 BTU/hr or 200,000 BTU/hr models. Each has an oversized plate heat exchanger for ***significantly increased condensing*** and virtually unlimited hot water for showers, laundry and more.

The 5-Zone Integrity Combi Condensing Energy Manager boiler features self-guided menus! Boiler setup can take less than a minute!

With **Thermal Purge** these designs improve condensing and efficiency, while at the same time the **Sealix**® non-stick plate heat exchanger increases performance in hard water applications.

There's more: **SmartBoost**™ technology provides faster boiler response, better condensing, cleaner operation and higher fuel efficiency. For higher volume water applications, add our thermos-like hot water storage tank. (See below.)

Together, the increased condensing from **SmartBoost**, **Thermal Purge** and Integrity's oversized hot water heat exchanger flush the vertical firetubes. This keeps them cleaner for high long-term efficiency and boiler longevity.

For higher efficiency *or more hot water*, *add a hot water tank!*



Energy Kinetics' Integrity tank (at left) **is perfect when *high***

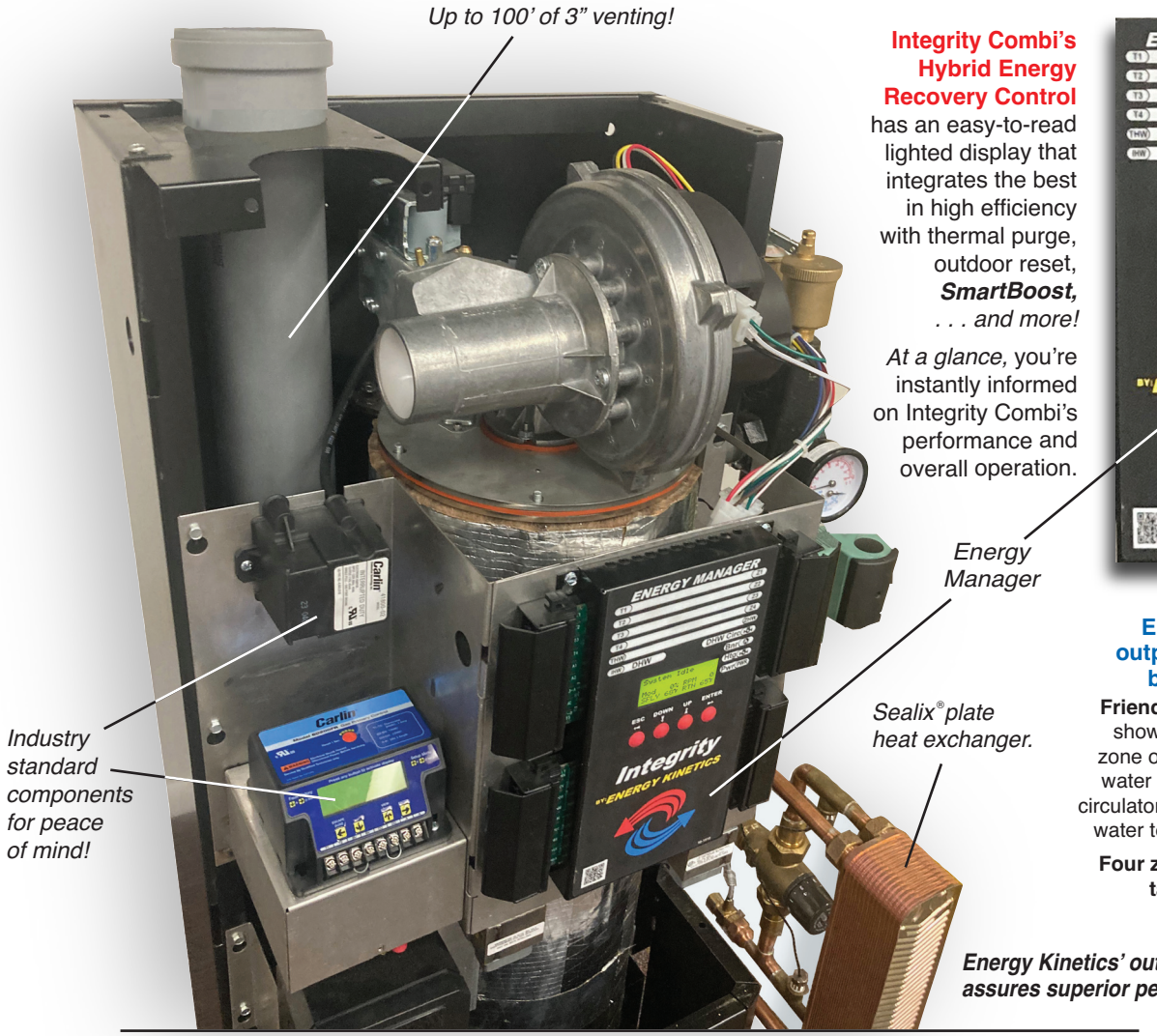
◄ Our unique tank design

***volume* water is needed, for example in tubs, spas and larger households. Our plate heat exchanger *vastly* outperforms old fashioned coil-in-tank systems.**

In our hot water tanks, the SEALIX plate heat exchanger draws cold water ***from the bottom*** of the tank then feeds hot water ***to the top,*** finishing with **Thermal Purge.** This design delivers the ***highest possible efficiency*** through the entire hot water cycle. Old fashioned tanks (shown at right) are *inefficient.* They heat slowly ***all over***, *even if only a small amount of heat or hot water is needed.* Plus, here, the temperature of the system's boiler will actually rise ***above*** *the tank temperature!*



Old fashioned coil-in-tank system.



Integrity Combi's Hybrid Energy Recovery Control has an easy-to-read lighted display that integrates the best in high efficiency with thermal purge, outdoor reset, ***SmartBoost,*** *. . . and more!*

At a glance, you're instantly informed on Integrity Combi's performance and overall operation.



The Integrity Energy Manager outperforms all other boiler controls.

Friendly lighted indicators show thermostats calling, zone operation, heat and hot water demand, primary loop circulator operation, boiler supply water temperature, and more!

Four zones plus hot water tank (standard).

Energy Kinetics' outstanding design assures superior performance!

Hybrid Energy Recovery® and easy-set controls mean Integrity Combi performs with the best efficiency and reliability!

Zone Control. Integrity Combi controls up to five thermostats and zones and includes options for primary/secondary loop control for large cast iron radiation systems. Fast and easy setup!

SmartBoost Comfort. Often a boiler's ***outdoor temperature reset leaves your home cold,*** especially if recovering from overnight setback or whenever you turn up your thermostat. Now avoid this problem!

Our SmartBoost technology automatically adjusts to make your home warm and comfortable faster, *season after season!*

Plus! Integrity Combi's rapid hot water recovery squeezes more out of your fuel dollars, unlike other systems where the boiler heats up with the tank (which can virtually *stop* the condensing operation). ***Our advanced plate heat exchanger can run at nearly full output while maintaining peak condensing performance throughout hot water calls!***

INTEGRITY INSTALLATION FLEXIBILITY



Energy Kinetics' Integrity Combi uses low temperature ***sidewall venting*** *or a* ***chimney.***

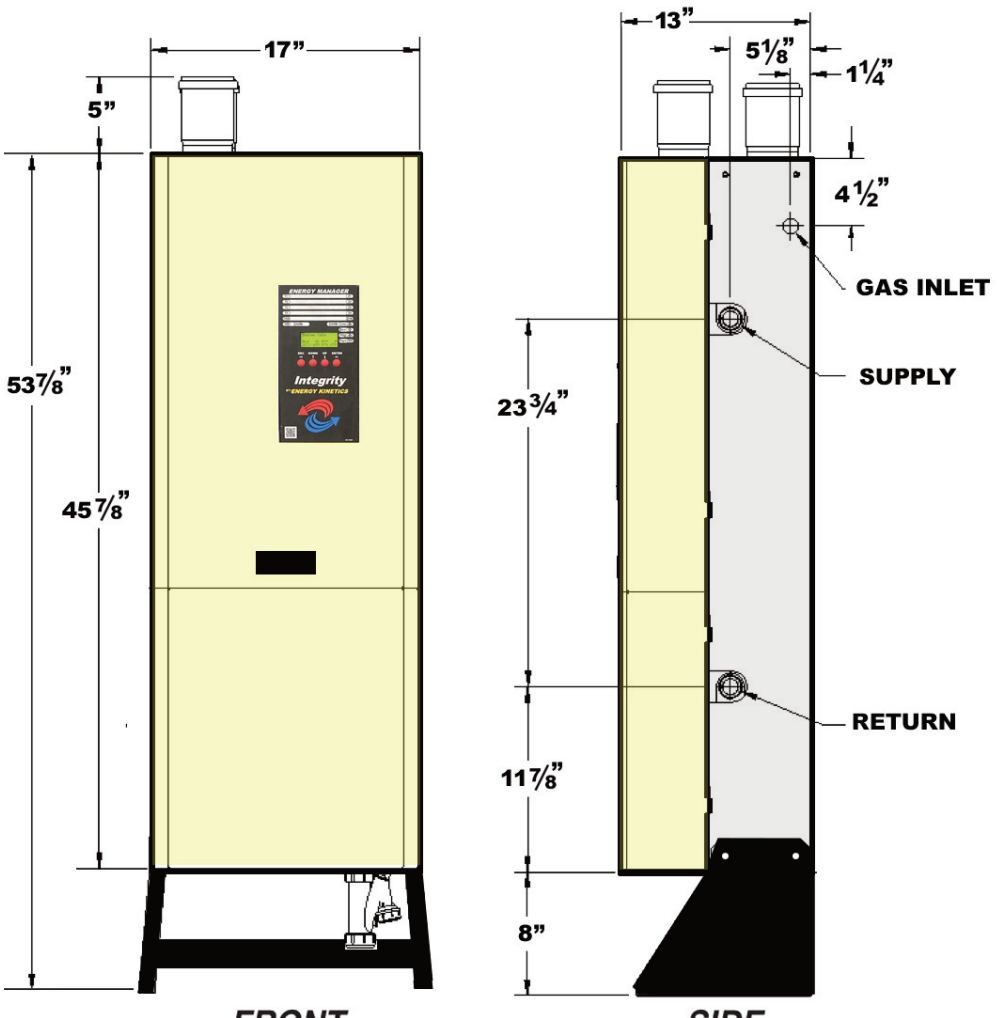
Expensive stainless steel chimney liners aren't required because Integrity Combi easily installs with reliable and durable ***polypropylene liners!***

Product Name	Model	Heating Input (BTU/hr)	AFUE	DOE Heating Capacity (MBH)	Domestic Hot Water (Combi GPM)*	Domestic Hot Water (GPH with 40 gallon tank)**
Integrity	EK1G-120	120,000	95.2	110	4.8	214
Integrity	EK1G-200	200,000	95.0	182	4.8	332

* Domestic hot water in combi mode uses up to 200 MBH input rate.
** Domestic hot water production rate with 77°F temperature rise.

Integrity Specifications	EK1G-120 and EK1G-200
Maximum Supply Temperature	200°F
Maximum Pressure	30 psi (standard), 75 psi (max)
Weight, Pressure Vessel, dry	45.5 lbs
Weight, dry with stand	145 lbs
Weight, with water and stand	169 lbs
Water Content	2.9 gallons
Supply & Return Piping Size	1" NPT
Gas Supply Connection	3/4" NPT
Power Requirements	120 VAC 60 Hz
Maximum Venting and Air Intake Length	100' vent and 100' intake with 3" polypropylene

EK1G-120 and EK1G-200 Floor Model Installation Dimensions



Integrity™ Combi



shown with hot water tank

Simply the smartest combi heating design ever developed for home or business.

HAND CRAFTED BY AMERICANS FOR AMERICAN HOMES
ENERGY KINETICS INTEGRITY

Scan this code for more information about Integrity Combi.

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As an ENERGY STAR® Partner, Energy Kinetics has determined model EK1G-120 and EK1G-200 meet ENERGY STAR guidelines for energy efficiency.
® The color yellow for heating boilers is a registered trademark of Energy Kinetics.

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