



By Thermasi LLC

"The first revolution in indoor climate control since 1919"

Product Catalog

**Thermal Mass Furnaces, Duct
Heaters, and Thermal Energy
Storage**

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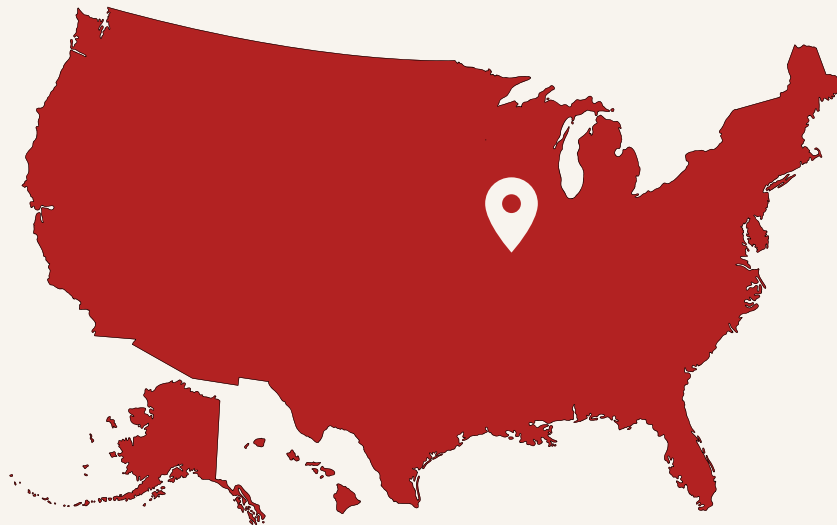
About COCOON

COCOON is a heating technology company based in St. Clair, Missouri, founded by a husband-and-wife team with deep roots in the HVAC and electrical trades. After decades in the field and living in rural areas — and experiencing firsthand the limitations of propane, electric, and natural gas systems — we knew there had to be a better way.



Our solution: the Cocoon Thermal Mass Furnace™ — a smarter, safer alternative that delivers the comfort of gas heat without combustion, emissions, or high utility bills. By using infrared technology and thermal mass, COCOON provides consistent, natural-feeling warmth while significantly reducing energy use.

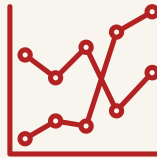
What began as a personal need has grown into a globally available solution, offering reliable, efficient heating to homes and businesses — and a real path toward energy independence.



From Complex Installs to Plug-and-Play Comfort — How COCOON Reinvented Heating Efficiency



High Energy Prices



Inconsistent Comfort Curve



Bulky Equipment



Gas Leaks and Carbon Emissions



Energy Consumption



Complex Wiring Kits

Issues like these are all too familiar in the residential, commercial, and industrial HVAC space.

Case Study



Client: Regional HVAC Distributor (Canada)

Sector: Residential and Light Commercial

Challenge: Need for a high-efficiency product line with proven performance, adaptability for customer-specific needs, and low support burden for service teams

Solution: Cocoon Thermal Mass Furnace™ with verified UL (2019-2022) energy savings, optional battery integration, and solar-ready models

Result: Offered customers a distinct solution not found in traditional HVAC lines, increased customer trust through UL verification (2019-2022), fewer tech call-backs, and growing demand from energy-conscious buyers

“Less maintenance, less hassle, a true savings to the end user.”

“Their ability to customize and modify these systems to meet our needs, offers a “next level” competitive advantage.”

~Steve Smith

Read more at cocoonrevolution.com

About COCOON Technology

The Cocoon Thermal Mass Furnace uses long wave infrared heat to warm a thermal mass — think of it like a giant stone. This mass “holds” the heat in a more consistent fashion, and our blower distributes that heat throughout your home. The thermal mass’ ability to hold the heat increases efficiency by reducing the “on” and “off” cycles of the energy used to heat it.

The blower gently pushes air across the heated mass until the thermostat reaches temperature. Then it stops blowing and heating the mass. But the mass stays warm due to its inherent nature. When the thermostat communicates a decrease in temperature, the blower resumes blowing across the mass — it may or may not need to be reheated, but it never requires a complete heat up like a traditional electric furnace heating element. This reduces the “on” and “off” cycles, reduces energy consumption, and creates a more constant, comfortable heat.

The mass holds any temperature, so in the summer it will increase the efficiency of your air conditioning as well by holding and redistributing the cooler temperatures.

COCOON's technology and modularity waste less energy than any other furnace — giving COCOON owners truly affordable energy efficiency.

The amazing technology breakthroughs also allow it to be ran off grid with battery backups!



Product Features Overview

Unified by one patented core, all Cocoon systems offer the same breakthrough capabilities and performance benefits.



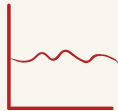
Lower Energy Bills



Modular Configuration



Industry Leading Energy Efficiency



Consistent Comfort Curve



Remote Monitoring Capabilities



Simplified Components



Zero Combustion

Furnace 1800 Series

The Furnace 1800 Series is available one model. This includes one blower chamber and one heating chamber containing four of the thermal mass heating panels.

Furnace Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-1800	61,074	36,851.13	24,222.87	1	45	18 x 36 x 24 in (45.72 x 91.44 x 60.96 cm)	110 lbs (50 kg)



Best Application Practices:

- From 1800 sq ft (167.23 sqm) and below
- Best for small spaces and shorter ceilings
- Reliable Energy Savings



Furnace 2000 Series

The Furnace 2000 Series is available in three models. This includes one blower chamber and two heating chambers containing a total of eight of the thermal mass heating panels. The models differ based on the number of circuits and circuit breaker amps available.

Furnace Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-2000	61,074	36,851.13	24,222.87	1	45	18 x 54 x 24 in (45.72 x 137.16 x 60.96 cm)	180 lbs (82 kg)
THRMS-2800	81,432	49,134.84	32,297.16	2	30	18 x 54 x 24 in (45.72 x 137.16 x 60.96 cm)	180 lbs (82 kg)
THRMS-2900	122,148	73,702.27	48,445.73	2	45	18 x 54 x 24 in (45.72 x 137.16 x 60.96 cm)	180 lbs (82 kg)



Best Application Practices:

- From 2000 sq ft (185.81 sqm) and beyond
- Best for larger spaces and quicker recover time
- Improved Energy Savings



Furnace 3000 Series

The Furnace 3000 Series is available in two different shapes and a total of six models. The 'I-shaped' model includes one blower chamber and three heating chambers containing a total of twelve of the thermal mass heating panels. The 'U-shaped' includes one blower chamber, one connection chamber, and three heating chambers with a total of twelve thermal mass heating panels. The models differ based on the number of circuits and circuit breaker amps available.



'I-shaped'

Best Application Practices:

- From 3000 sq ft (278.71 sqm) and beyond
- Best for larger homes, commercial spaces, and niche applications (i.e. greenhouses)
- Advanced Energy Savings

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'U-shaped'

Furnace 3000 Series

Furnace Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-3000 I-Shaped	101,790	61,418.56	40,371.44	2	30&45	18 x 72 x 24 in 45.72 x 182.88 x 60.96 cm	250 lbs (113 kg)
THRMS-3800 I-Shaped	122,148	73,702.27	48,445.73	3	30	18 x 72 x 24 in 45.72 x 182.88 x 60.96 cm	250 lbs (113 kg)
THRMS-3900 I-Shaped	183,222	110,553.40	72,668.60	3	45	18 x 72 x 24 in 45.72 x 182.88 x 60.96 cm	250 lbs (113 kg)
THRMS-3000 U-Shaped	101,790	61,418.56	40,371.44	2	30 & 45	36 x 54 x 24 in 91.44 x 137.16 x 60.96 cm	250 lbs (113 kg)
THRMS-3800 U-Shaped	122,148	73,702.27	48,445.73	3	30	36 x 54 x 24 in 91.44 x 137.16 x 60.96 cm	250 lbs (113 kg)
THRMS-3900 U-Shaped	183,222	110,553.40	72,668.60	3	45	36 x 54 x 24 in 91.44 x 137.16 x 60.96 cm	250 lbs (113 kg)

AC and Furnace Application



Pictured above is an AC savings installation. The return air flows through the return ductwork, passes the filter, moves across the A-coil, and then into the connection chamber. From there, the cool air is directed into the heating chambers, where subcooling of the panel emitters occurs. This process works like a heat sink, drawing heat away from the panels and cooling them down.

After this step, the system—including the condenser—shuts down for 2–3 minutes. At that point, energy savings occur because only the blower turns back on for 10–20 minutes (depending on the model). This is where the heat sink comes into play during the 10 to 20 minutes.

AC and Furnace Application



Pictured above is a normal furnace installation with the A-Coil on top of the furnace. In this case, AC savings are not seen as return air does not reach the A-Coil until after coming in contact with the panel emitters in the heating chamber.

Duct Heater 1000 Series

The Duct Heater 1000 series is available in three models. It is built to connect to existing duct work or spec'd into new duct work. The models differ based on the number of circuits and circuit breaker amps available.

Duct Heater Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-1400-CA	40,716	24,567.42	16,148.58	1	30	18 x 18 x 24 in 45.72 x 45.72 x 60.96 cm	75lbs (34kg)
THRMS-1500-USA	40,716	24,567.42	16,148.58	1	30	18 x 18 x 24 in 45.72 x 45.72 x 60.96 cm	75lbs (34kg)
THRMS-1800	61,074	36,851.13	24,222.87	1	45	18 x 18 x 24 in 45.72 x 45.72 x 60.96 cm	75lbs (34kg)

Best Application Practices:

- Smaller commercial, reheat, and emergency heat applications
- Customer need for thermal energy storage



Duct Heater 2000 Series

The Duct Heater 2000 series is available in three models. It is built to connect to existing duct work or spec'd into new duct work. The models differ based on the number of circuits and circuit breaker amps available.

Duct Heater Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-2000	61,074	36,851.13	24,222.87	1	45	18 x 36 x 24 in 45.72 x 91.44 x 60.96 cm	150lbs (68 kg)
THRMS-2800	81,432	49,134.84	32,297.16	2	30	18 x 36 x 24 in 45.72 x 91.44 x 60.96 cm	150lbs (68 kg)
THRMS-2900	122,148	73,702.27	48,445.73	2	45	18 x 36 x 24 in 45.72 x 91.44 x 60.96 cm	150lbs (68 kg)



Best Application Practices:

- Moderate sized commercial, reheat, and emergency heat applications
- Customer need for thermal energy storage



Duct Heater 3000 Series

The Duct Heater 3000 series is available in three models. It is built to connect to existing duct work or spec'd into new duct work. The models differ based on the number of circuits and circuit breaker amps available.

Duct Heater Model	BTU Capacity	Active BTU/h	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)	Weight
THRMS-3000	101,790	61,418.56	40,371.44	2	30 & 45	18 x 54 x 24 in 45.72 x 137.16 x 60.96 cm	225lbs (102 kg)
THRMS-3800	122,148	73,702.27	48,445.73	3	30	18 x 54 x 24 in 45.72 x 137.16 x 60.96 cm	225lbs (102 kg)
THRMS-3900	183,222	110,553.40	72,668.60	3	45	18 x 54 x 24 in 45.72 x 137.16 x 60.96 cm	225lbs (102 kg)



Best Application Practices:

- Larger commercial, reheat, and emergency heat applications
- Customer need for thermal energy storage



How to Size and Recommend the Right COCOON System

01. Identify square feet (meters) of conditioned space

1800 sq ft (167.23 sqm) and below = Furnace 1800 and Duct Heater 1000 Series

2000 sq ft (185.81 sqm) and below = Furnace and Duct Heater 2000

2500 sq ft (232.26 sqm) and above = Furnace and Duct Heater 2800/2900

3000 sq ft (278.71 sqm) and below = Furnace and Duct Heater 3000

3500 sq ft (325.16 sqm) and above Furnace and Duct Heater 3800/3900

02. Identify ceiling heights and existing duct work dimensions

Any ceilings 8 feet (2.44 m) and above, we recommend sizing up systems to account for the different airflow patterns. Strongly recommend a ceiling fan to help airflow in vaulted ceilings. Also, identify duct heater dimensions and size according to series model charts above.

03. Identify any unique characteristics

Unique characteristics could affect the recommendation of the right COCOON system. For example, if there are a large number of windows in a space, we recommend sizing up to account for the challenging thermal load conditions.

How to Size and Recommend the Right COCOON System

04. What is the electrical capacity?

COCOON systems are designed for 240V and can be modified upon request. COCOON systems are designed for different amounts of circuits and running amps. Please see above series models for more information.

05. Does the customer have concerns over energy consumption? Do they want to save money on energy bills?

The more heating chambers you add to the furnace or duct heater, the more thermal mass and storage is available in the system. In return, with adding more heating chambers the more you reduce energy consumption and save more on energy bills.

06. Cross reference different series models in catalog above

Once the information is gathered from the previous steps, cross reference against the information found under each series model.

Example:

A space is 1900 sq ft (176.52 sqm) with a moderate amount of windows and ceilings are 8 feet (2.44 m) or below. They do not consume a large amount of energy but are looking to save money on their utility bills. In this scenario, we recommend the Furnace 2000 or upgrade to the Furnace 3000 for advanced energy savings.



Have questions? Call our support team +1 314-931-1004

Thermal Energy Storage

Challenges: Energy grids are increasingly strained during high-demand times especially as overall energy demand is rising, growing concerns about dependence on centralized grids and fossil fuels, and natural disasters, infrastructure issues, and cyber risks are disrupting reliable energy access.

Our Solution: Thermal Energy Storage (TES) that helps store heat when electricity is cheapest and releases it during expensive periods. TES pairs with solar and battery systems to reduce grid reliance, offers continuity for critical systems in residential, commercial, and industrial settings, and smart controls and AI automation capabilities for advanced energy-efficiency.

Please contact us if you are interested in learning more!

Email: info@cocoonrevolution.com

Phone: +1-314-931-1004

Thermal Energy Storage

The Thermal Energy Storage is available in six models. There is either one, two, or three heating chambers, and bottom and top duct connections. These systems can be installed in parallel with existing systems as well as Cocoon systems. The models differ based on the number of circuits and circuit breaker amps available as well as a need for quicker recovery time.



Best Application Practices:

- These systems are meant to help with peak shaving solutions, off grid solutions, emergency backup applications

Thermal Energy Storage

Thermal Energy Model	Stored KWh	Stored BTU/h	Circuits/Circuit Breakers	Running Amps	Dimensions (WxHxD)
1030	24	81,432	1	30	18 x 38 x 24 in 45.72 x 96.54 x 60.96 cm
2030	48	162,864 per chamber	2	30	18 x 56 x 24 in 45.72 x 142.24 x 60.96 cm
3030	72	244,296 per chamber	3	30	18 x 74 x 24 in 45.72 x 187.96 x 60.96 cm
Models 4-6 are designed for quicker recovery times.					
1045	30	102,360	1	45	18 x 38 x 24 in 45.72 x 96.54 x 60.96 cm
2045	58	197,896 per chamber	2	45	18 x 56 x 24 in 45.72 x 142.24 x 60.96 cm
3045	88	300,256 per chamber	3	45	18 x 74 x 24 in 45.72 x 187.96 x 60.96 cm

Installation and Support Resources

Specifications



Installation Manual



**Warranty Conditions
and Registration**



This information can be found under the “Resources” tab on www.cocoonrevolution.com

Partner Information

Change the way people experience comfort

Your customers are looking for better performance, lower energy bills, and future-ready tech. Don't let them find it somewhere else.

- Patented technology gives you a true competitive edge — no other dealer has this.
- UL-verified (2019-2022) energy savings up to 41% help your customers lower bills and boost satisfaction.
- Modular system builds let you tailor solutions to every space and budget.
- Simplified installs mean faster jobs, happier crews, and fewer errors.
- Built-in monitoring helps reduce service calls and maintain long-term performance.
- Zero combustion makes homes and buildings safer — a major selling point.
- Off-grid ready — ideal for customers focused on resilience or electrification goals.

Partner Benefits

More than a product — a partnership.

- High-margin opportunity in an unsaturated HVAC category
- Open to regional exclusivity for qualified partners
- Direct access to the creator & expert support team
- Streamlined SKU lineup — Easier stocking, training, and logistics
- Strong customer value proposition — Energy savings, comfort, safety, and performance

***Bring the Future of Heat to Your Market
Scan here to learn how to partner with Cocoon.***



Ordering, Shipping, and Contact

How to Order:

To place an order, contact our sales team at info@cocoonrevolution.com
or call +1-314-931-1004

Minimum Order Quantity:

For volume pricing — contact us

Support Contact:

Olivia Sanders
+1-314-266-0429
olivia@cocoonrevolution.com

Disclaimer: Pricing and information subject to change

FAQs

1. What is the thermal mass made of? Is it actually a rock?
 - a. The thermal mass is made of ceramic materials. It is all natural, bio-solvent Earthen materials.
2. How are the 2000 and 3000 series systems achieving higher BTUs out of the same thermal mass as the lower series?
 - a. The 2000 and 3000 series achieve higher BTU outputs in two main ways. First, they incorporate more heating chambers containing additional thermal mass elements, allowing them to store and release more heat. Second, the wattage of the heating panels is increased, enabling higher energy input and therefore higher heat output. For example, the 2900 Furnace operates at a higher wattage with two circuits running at 45 amps each, while the 3800 Furnace runs on three circuits at 30 amps each. This difference in circuit configuration and wattage explains why their BTU outputs are higher and why some overlap in BTU performance can occur.
3. Would more thermal mass emitters with a lower wattage be more efficient than fewer thermal mass emitters with higher wattage?
 - a. Yes, more thermal mass emitters operating at a lower wattage are generally more efficient. This approach allows for slower, more even heating, which creates a higher-quality comfort level. Think of it like cooking: slow cooking a brisket at low heat produces tender, flavorful results, while cooking a hamburger quickly at high heat can be less consistent. In the same way, the “low and slow” method of heating the air produces a more stable and comfortable indoor environment while using energy more effectively.



**Still have question? No problem- call our support team +1
314-931-1004**

FAQs

1. I have 8 ft basement ceilings and need a larger system to heat my space. However, I am concerned over the height of the units that 54 and 72 inches tall.
 - a. This won't be a problem! The modular design of our systems allows them to be configured to fit unique space constraints—which is why the 3000 Series is available in both I-shaped and U-shaped configurations. Typically, 72-inch systems are used in commercial settings and 54-inch systems in residential spaces.
2. How does installing the A-coil on the return side help cut humidity?
 - a. Placing the A-coil on the return side results in a slower airflow (velocity) across the coil, which increases the amount of moisture removed from the air, improving dehumidification efficiency.
3. At what square footage should I consider installing two systems?
 - a. We typically recommend installing two systems for spaces around 4,000 square feet or larger. The model numbers of our furnaces and duct heaters are aligned with standard square footage recommendations. However, other factors—such as the age of the building, insulation quality, and layout—can affect the final sizing. Refer to the guidelines in “How to Size and Recommend the Right COCOON System” for a more accurate assessment.



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