COMMERCIAL
TANKLESS SOLUTIONS

HOT WATER
THAT CAN KEEP UP WITH BUSINESS

Rheem® Commercial Tankless Water Heaters are designed to deliver continuous, dependable hot water, save money and space, and keep business up and running workday after workday. With manifolding capabilities in available models that make it easy to connect up to 20 units, no matter the scope or redundancy needs of your customer's business, Rheem Commercial Tankless Water Heaters keep the hot water flowing.

WHY RHEEM
COMMERCIAL TANKLESS?

### Delivering Energy Savings, Flexibility & Support

Introducing a dedicated water heating solution for businesses with all the Rheem® tankless advantages, plus:

- Thermal efficiency of up to 96%
- 11,000–199,900 BTU per unit
- Built-in maximum temperature setting of 185°F
- Common venting options for indoor natural gas models
- Manifold control models for expanding up to 3,998,000 BTU/h systems (20 units linked)
- Service valves included
- Options for factory tested, pre-plumbed systems

SIMPLER INSTALLS, **EASIER SERVICE**

CONSIDER A TANKLESS SYSTEM

Application Need	Application Example
For continuous usage	24-hour fitness club showers
Moderate flow rates with extended periods of use	A parts spray washer on a manufacturing line
High water usage, moderate flow-rate equipment	Bathtubs, three-compartment sinks, pre-scrappers
A set of fixtures	A kitchen with multiple sink stations used one at a time
A rarely used fixture or on its own line	A safety shower, a mop sink in its own building, single private showers
Outdoor installation preferred / required	Installing on a hotel roof

RHEEM EXCLUSIVE ADVANTAGES

Manifold Control Ready
Models with manifold control easily connect up to 20 units in a daisy-chain configuration with no additional accessories needed.

Built-In Condensate Neutralizer
The acidic byproduct of combustion can corrode and damage pipes, but the built-in condensate neutralizer raises the pH of this condensate so it can be safely discharged into the drain.

Tankless Support
Count on Rheem for dedicated, personalized service and system solutions. Our sales and service teams are true partners committed to providing concierge-level service for all commercial applications.

PPs Venting
Rheem polypropylene stabilized venting options from Centrotherm are the only venting materials in the industry with UL-1738 and ULC-S636 certifications for flue temperatures of up to 230°F.

Rheem® Commercial Series

High Efficiency Tankless Gas Water
Heating Solutions

**MAXIMIZES WATER AND ENERGY SAVINGS
AND KEEPS INSTALL COSTS TO A MINIMUM**

Lower Installation Costs

Allows for inline or back-to-back common venting (Natural
Gas Models Only) of up to ten units and room air intake
configurations.

Reduced Downtime

Having multiple units working together creates redundancy,
so if one tankless water heater goes down, your customer's
business stays up and running.

Thermal Efficiency	Up to **96%**
Venting Type	Vents with **Schedule 40 PVC** or **PPs**
Unit Dimensions	**27-1/2" H x 18-1/2" W x 9-3/4" D**
Unit Weight	**82 lbs.**
Warranty	Heat Exchanger: **5 Years**
	Parts: **5 Years**
	Labor: **1 Year**
Ultra Low NOx	**All Natural Gas Models**
High Altitude	**Up to 8,400 ft.**

Description	Commercial Tankless	Commercial Tankless with Manifold Control
Indoor – Nat. Gas	RTGH-C95DVLN	RTGH-CM95DVLN
Indoor – LP Gas	RTGH-C95DVLP	RTGH-CM95DVLP
Outdoor – Nat. Gas	RTGH-C95XLN	RTGH-CM95XLN
Outdoor – LP Gas	RTGH-C95XLP	RTGH-CM95XLP

Rheem® Parts & Accessories

Cosmetic Pipe Covers

Enhances the installation of the water heater, providing
protection from tampering and weather.

- **RTG20227** – Fits RTGH series indoor or outdoor
  condensing models

Outdoor Recess Box

Allows you to mount an outdoor tankless into the wall, flush
with the outside of the building. They are weather resistant and
can be locked for security.

- **RTG20226** – Fits RTGH X series
- **RTG20253** – For stucco applications - Fits RTGH X series

Flush Kit

Connects to the service valves for an easy way to flush and
de-scale your tankless water heater.

- **RTG20214** – Includes pump, hoses and 5-gallon bucket

AllClear® Water Treatment System

Combat hard water and scale build up for use with one or two
unit systems.

- **RTG20251** – AllClear water treatment system
- **RTG20252** – Replacement cartridge

Service Valves (Included)

Webstone®-Brand Tankless Service Valves

- **RTG20220AB** – Clean Brass for Low Lead Code -
  Includes cold and hot water set and pressure relief valve

Condensate Neutralizer

For managing condensate run-off from venting. Units have built-
in condensate neutralizer for secondary heat exchanger.

- **SP12151** – External condensate neutralizer accessory with
  PVC connections
- **AP16770** – Replacement rocks for condensate neutralizer
- **RXGY-A01** – External condensate neutralizer accessory with
  flex tubing connections

RJ25 Communication Cables

Additional cable lengths for connecting translators between units
or WiFi module to translator where additional length is required.

- **RCPN-AMP03-0013111101-0003** – 48" Long
- **RCPN-AMP03-0013111101-0002** – 72" Long
- **RCPN-AMP03-0013111101-0004** – 240" Long

New EZ-Rack™ Kit

RTG20304

- Easy wall mount or free-standing configurations
- Each EZ-Rack Kit holds one or two units
- Expands with additional kits to hold any number of units
- Assembles easily on the jobsite in under ten minutes

*Image depicts three EZ-Rack Kits mounted together.
EZ-Rack Kits sold individually.*

PROTECH®

PROTECH® Service Kit

Designed with the contractor in mind, this kit provides
all the basic parts necessary for a complete repair of a
Rheem tankless gas water heater.

- **PROTECH PD966351** – Commercial Tankless Models

Rheem® Commercial Tankless Features

Indoor Direct Vent

Air Intake (PVC Venting) **Exhaust** (PVC Venting)

SAVE TIME INSTALL MORE

Outdoor

Condensate Neutralizer Discharge Outlet | 3/4" Hot Water Outlet | External Connection for Remote Control Cable | 3/4" Cold Water Inlet | 3/4" Gas Connection

1 PVC Venting Compatible

Vent individual units with 2", 3" and 4" PVC, saving time and money

2 Common Vent Compatible

Vent up to 10 units together to save space and reduce outside wall penetrations (Natural Gas Models Only)

3 Built-In Condensate Neutralizer

Rheem Exclusive

Safely dispose of condensate and save on installation cost and time

4 Half-Inch Gas Line Compatible up to 24 ft.[1]

Saves money and time on installation to an existing system
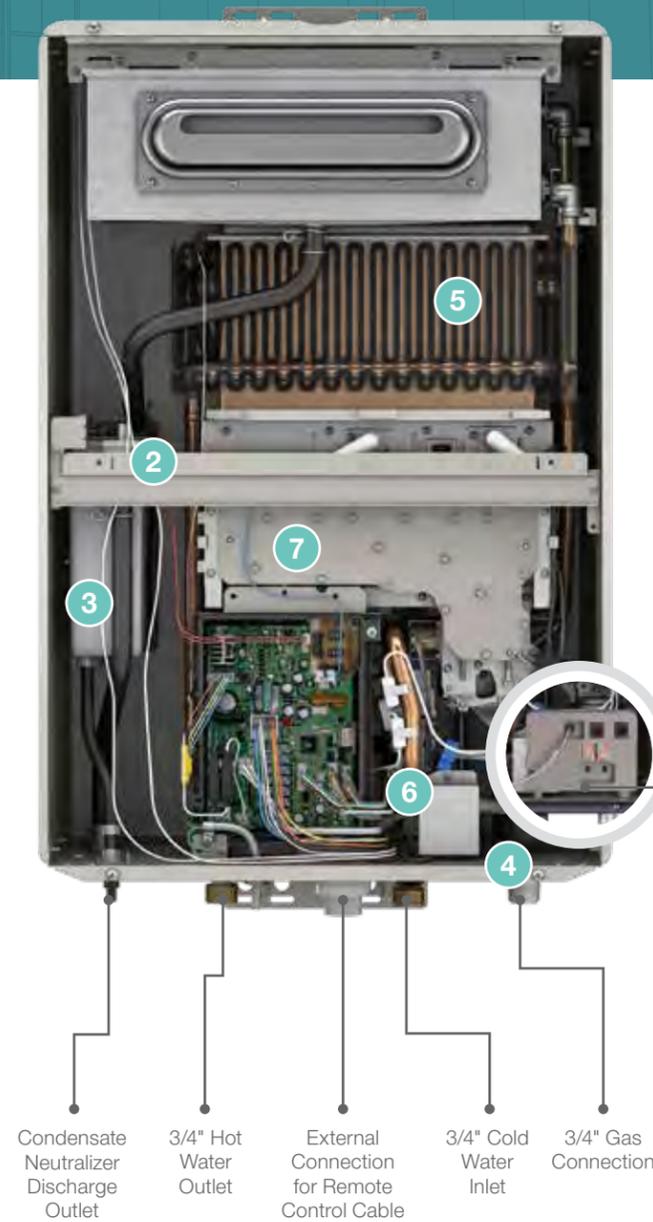
5 Overheat Film Wrap

Rheem Exclusive

Safety feature prevents dangerous temperatures allowing industry-best, 1/2" side-to-side clearance to combustibles

6 Low-Flow Activation

Minimum flow rate of .26 GPM and activation flow rate of .40 GPM ensures hot water in low-demand situations

7 Six-Stage Modulating Burner

Tight control over burner energy efficiency

8 EcoNet® Enabled

All models from 2010 to present can connect to EcoNet mobile app via Tankless EcoNet Accessory Kit (REWRA630TWH)

9 Easy to Connect 20 Units

Models with manifold control easily connect up to 20 units with no additional accessories required

Condensate Neutralizer Discharge Outlet | 3/4" Hot Water Outlet | External Connection for Remote Control Cable | 3/4" Cold Water Inlet | 3/4" Gas Connection

Why Add EcoNet?

Rheem® is proud to bring EcoNet® WiFi control compatibility to our commercial tankless water heaters. Available via four accessory kits, EcoNet functionality enables businesses to minimize downtime with proactive maintenance alerts, while giving them more savings and control. Features include:

• Water **leak detection** and **auto system shut-off**[1]

• **Mobile alerts** for notifications and maintenance reminders

• Gas and water **usage reports**

• Mobile water **temperature control**

[1]*Indoor models only*
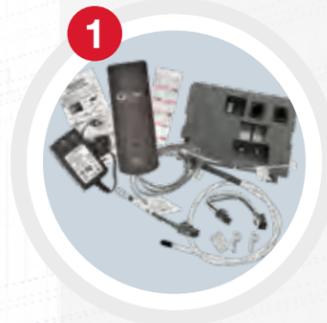
1 **EcoNet Tankless Translator & WiFi Module Kit**
REWRA630TWH
Contains all parts required to upgrade single Rheem tankless water heaters to have EcoNet connected features. For multi-unit systems, a Translator Kit is required for each additional unit.

Includes translator kit, WiFi module kit and leak detection kit
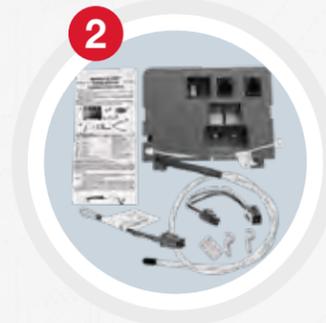
2 **EcoNet Tankless Translator Kit**
PD415188
Each tankless water heater requires a translator to work with EcoNet. Can be used in addition to Tankless Translator and WiFi Module Kit for multiple tankless unit installations.

Includes translator, leak detection kit and connection cables

NEED: One per system (installs in first heater) **+** One per additional heater

3 **EcoNet Tankless WiFi Module Kit**
PD415189
WiFi Module Kit can be used to upgrade Tankless systems already containing Manifold Translator. One WiFi Module is required for each tankless system, not per tankless unit.

Includes WiFi module, connection cable and power cord
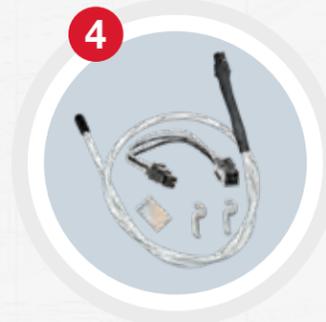
4 **EcoNet Leak Detection Kit**
PD415190
Can be connected to built-in Manifold Translator in Commercial Tankless models to add leak detection features.

Includes leak detection sensor and harness

NEED: One per system (plugs into translator of any heater in system) **+** One per heater (indoor models only)

Rheem Commercial Tankless System

This custom-built solution arrives on the job site factory-assembled with single-point connections, including:

- RTGH-CM95 condensing tankless water heaters
- Factory installed system control manifold
- Pre-sized water and gas manifold
- Electrical wiring
- Condensate lines

Configurations
- Wall-hanging system
- Wall-mount system
- Free-standing system

Engineered Solution by Rheem®
- Scalable from 11,000–1,199,400 BTU/h in one system
- Multiple configurations: 2-6 units per system
- Options for future expansion

Easier Installations
- Reduce installation costs with single-point connections
- crane hooks for lifting
- fits through standard doorway

	MODEL NUMBER	NUMBER OF UNITS	SYSTEM DESCRIPTION	FUEL TYPE	LAYOUT
WALL-HANGING TANKLESS SYSTEM					
	RTR-WH220DVLN	2	Indoor Wall Hanging	Nat. Gas*	
	RTR-WH220XLN	2	Outdoor Wall Hanging	Nat. Gas*	
	RTR-WH330DVLN	3	Indoor Wall Hanging	Nat. Gas*	
	RTR-WH330XLN	3	Outdoor Wall Hanging	Nat. Gas*	
WALL-MOUNT TANKLESS SYSTEM					
	RTR-WM220DVLN	2	Indoor Wall Mount	Nat. Gas*	
	RTR-WM220XLN	2	Outdoor Wall Mount	Nat. Gas*	
	RTR-WM330DVLN	3	Indoor Wall Mount	Nat. Gas*	
	RTR-WM330XLN	3	Outdoor Wall Mount	Nat. Gas*	
FREE-STANDING TANKLESS RACK SYSTEM					
	RTR-FS411DVLN	2	Indoor Free Standing	Nat. Gas	
	RTR-FS411XLN	2	Outdoor Free Standing	Nat. Gas*	
	RTR-FS420DVLN	2	Indoor Free Standing	Nat. Gas	
	RTR-FS420XLN	2	Outdoor Free Standing	Nat. Gas*	
	RTR-FS630DVLN	3	Indoor Free Standing	Nat. Gas	
	RTR-FS630XLN	3	Outdoor Free Standing	Nat. Gas*	
	RTR-FS421DVLN	3	Indoor Free Standing	Nat. Gas	
	RTR-FS421XLN	3	Outdoor Free Standing	Nat. Gas*	
	RTR-FS422DVLN	4	Indoor Free Standing	Nat. Gas	
	RTR-FS422XLN	4	Outdoor Free Standing	Nat. Gas*	
	RTR-FS632DVLN	5	Indoor Free Standing	Nat. Gas	
	RTR-FS632XLN	5	Outdoor Free Standing	Nat. Gas*	
	RTR-FS633DVLN	6	Indoor Free Standing	Nat. Gas	
	RTR-FS633XLN	6	Outdoor Free Standing	Nat. Gas*	

These models offered in LP, switch N for P in model number.

Commercial Tankless Venting

Common Venting Solutions

Common venting saves space and materials while reducing outer wall penetrations (Natural Gas Models Only)

- Vent up to 10 units
- In-line or back-to-back
- Room air or direct vent
- PPs header kits - 6, 9, 10" diameters

Why PPs:
- Lightweight
- Push fit
- UL-1738/ULC

NOTE: If heaters are common vented, you can still manifold up to 20 units in a bank, however, you must limit the venting cascade to ten units.

PPS CAN BE 28% THE WEIGHT OF PVC

Easy to Install

- Gasketed, push-fit connection system installs quickly and easily – no glues, primers or solvents required
- Directional gasket and flow arrows ensure proper vent layout
- Connector ring installs where needed, in seconds ensuring UL-1738 and ULC-S636 compliance
- Venting parts can be field cut to meet any venting requirement

Tested and Approved by Rheem

- Tested and listed by Intertek to UL-1738 and ULC-S636 for temperatures of -4°–230°F
- All products are UV rated
- LEED friendly
- 100% Recyclable

	Centrotherm PPs	PVC	CPVC
Chemical Resistance			
Aromatic Hydrocarbons	✓	X	X
Sulfuric Acid	✓	X	X
Hydrochloric Acid	✓	X	X
UL Listed (0°F to 230°F)	Listed	Not Listed	Not Listed
Actual Working Temperature	32°F (0°C) 248°F (120°C)	50°F (15°C) 149°F (65°C)	50°F (15°C) 194°F (90°C)
Softening Temperatures	302°F (150°C)	176°F (80°C)	200°F (93°C)
Environmentally Friendly Production	✓	X	X
No Chloride Leaching	✓	X	X
Fully Recyclable	✓	X	X

Diameter	% of Centrotherm PPs weight vs. PVC	Weight Per Foot (lbs.)		
		Centrotherm PPs	PVC Sch. 40	CPVC Sch. 80
3"	23%	0.32	1.41	2.09
4"	33%	0.66	2.01	3.05
6"	40%	1.42	3.53	5.82
8"	28%	1.50	5.39	8.83
10"	27%	2.00	7.55	13.09

Note: Temperature values in table represent exhaust flue temperatures. For approximate max. water set point temperatures, subtract 20 degrees F.

Rheem® Commercial Tankless Common Venting

Header kits include all required venting pieces to connect multiple units. Additional vent run accessories are required to complete installation. Common venting header kits are available for inline or back-to-back installations, direct vent or room air intake options, using 6", 8" and 10" trunk diameters.
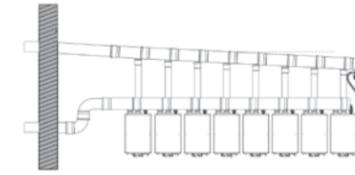
Inline Header Kits

Trunk Diameter	Number of units	Direct Vent Part No.	Room Air Part No.
6"	2	SP20906A	SP20907A
	3	SP20906B	SP20907B
	4	SP20906C	SP20907C
8"	2	SP20908A	SP20909A
	3	SP20908B	SP20909B
	4	SP20908C	SP20909C
	5	SP20908D	SP20909D
	6	SP20908E	SP20909E
	7	SP20908F	SP20909F
	8	SP20908G	SP20909G
10"	2	SP20910A	SP20911A
	3	SP20910B	SP20911B
	4	SP20910C	SP20911C
	5	SP20910D	SP20911D
	6	SP20910E	SP20911E
	7	SP20910F	SP20911F
	8	SP20910G	SP20911G
	9	SP20910H	SP20911H
	10	SP20910J	SP20911J
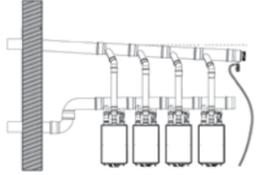
Back-to-Back Header Kits

Trunk Diameter	Number of units	Direct Vent Part No.	Room Air Part No.
6"	2	SP20912A	SP20913A
	3	SP20912B	SP20913B
	4	SP20912C	SP20913C
8"	2	SP20914A	SP20915A
	3	SP20914B	SP20915B
	4	SP20914C	SP20915C
	5	SP20914D	SP20915D
	6	SP20914E	SP20915E
	7	SP20914F	SP20915F
	8	SP20914G	SP20915G
10"	2	SP20916A	SP20917A
	3	SP20916B	SP20917B
	4	SP20916C	SP20917C
	5	SP20916D	SP20917D
	6	SP20916E	SP20917E
	7	SP20916F	SP20917F
	8	SP20916G	SP20917G

Vent Run Accessories

Image No.	Part Description	6"	8"	10"
1	Air Intake Branch Tee	SP20918AD	SP20918L	SP20918AE
2	87 Degree Elbow	SP20918BE	SP20918M	SP20918BM
3	45 Degree Elbow	SP20918BF	SP20918N	SP20918BN
4	Straight Pipe, 1'	SP20918BG	SP20918P	SP20918BP
5	Straight Pipe, 2'	SP20918BH	SP20918R	SP20918BR
6	Straight Pipe, 3'	SP20918BJ	SP20918S	SP20918BS
7	Straight Pipe, 6'	SP20918BK	SP20918T	SP20918BT
8	90 Degree Elbow Vertical Support	SP20918BL	SP20918U	SP20918BU
9	Bird Screen SS	SP20918AY	SP20918V	SP20918AZ
10	Tee Termination	SP20918BA	SP20918W	SP20918BB
11	Support Clamp	SP20918AW	SP20918AA	SP20918AX
12	Centrocerin Lubricant	SP20918H	SP20918H	SP20918H

NOTE: Diagrams illustrate direct vent and horizontal exhaust. Room air intake and vertical exhaust configuration also available, but not pictured.

For more information, visit Rheem.com/Commercial-Tankless

Tankless Multi-Unit Flow Rates

By manifolding up to 20 commercial tankless water heaters together in a system, businesses can produce up to 190 gallons of hot water per minute. Use the chart below to determine the expected gallons per minute (GPM) based on the number of units connected and temperature rise requirements.

Manifold QTY	Total System BTU based on 199,900 Btu per Unit	Total System Gallons Per Minute (GPM) - Per Temperature Rise (ΔT)											
		35	45	50	60	70	77	80	90	100	110	120	140
1	199,900	9.5	8.4	7.5	6.3	5.4	4.9	4.7	4.2	3.8	3.4	3.1	2.7
2	399,800	19.0	16.7	15.0	12.5	10.7	9.8	9.4	8.4	7.5	6.8	6.3	5.4
3	599,700	28.5	25.1	22.5	18.8	16.1	14.6	14.1	12.5	11.3	10.2	9.4	8.1
4	799,600	38.0	33.4	30.1	25.1	21.5	19.5	18.8	16.7	15.0	13.7	12.5	10.7
5	999,500	47.5	41.8	37.6	31.3	26.8	24.4	23.5	20.9	18.8	17.1	15.7	13.4
6	1,199,400	57.0	50.1	45.1	37.6	32.2	29.3	28.2	25.1	22.5	20.5	18.8	16.1
7	1,399,300	66.5	58.5	52.6	43.8	37.6	34.2	32.9	29.2	26.3	23.9	21.9	18.8
8	1,599,200	76.0	66.8	60.1	50.1	42.9	39.0	37.6	33.4	30.1	27.3	25.1	21.5
9	1,799,100	85.5	75.2	67.6	56.4	48.3	43.9	42.3	37.6	33.8	30.7	28.2	24.2
10	1,999,000	95.0	83.5	75.2	62.6	53.7	48.8	47.0	41.8	37.6	34.2	31.3	26.8
11	2,198,900	104.5	91.9	82.7	68.9	59.1	53.7	51.7	45.9	41.3	37.6	34.4	29.5
12	2,398,800	114.0	100.2	90.2	75.2	64.4	58.6	56.4	50.1	45.1	41.0	37.6	32.2
13	2,598,700	123.5	108.6	97.7	81.4	69.8	63.4	61.1	54.3	48.9	44.4	40.7	34.9
14	2,798,600	133.0	116.9	105.2	87.7	75.2	68.3	65.8	58.5	52.6	47.8	43.8	37.6
15	2,998,500	142.5	125.3	112.7	94.0	80.5	73.2	70.5	62.6	56.4	51.2	47.0	40.3
16	3,198,400	152.0	133.6	120.3	100.2	85.9	78.1	75.2	66.8	60.1	54.7	50.1	42.9
17	3,398,300	161.5	142.0	127.8	106.5	91.3	83.0	79.9	71.0	63.9	58.1	53.2	45.6
18	3,598,200	171.0	150.3	135.3	112.7	96.6	87.9	84.6	75.2	67.6	61.5	56.4	48.3
19	3,798,100	180.5	158.7	142.8	119.0	102.0	92.7	89.3	79.3	71.4	64.9	59.5	51.0
20	3,998,000	190.0	167.0	150.3	125.3	107.4	97.6	94.0	83.5	75.2	68.3	62.6	53.7

Sizing Solutions

Get It Sized By Rheem

Rheem® Applications Engineers offer professional sizing and selection services. Provide project details and let our engineers deliver a personal consultation to help with the perfect water heating solutions for commercial projects. Our Tankless Support Team and Applications Engineer are available to support sizing requests and troubleshooting.

Submit your commercial sizing request online at **Rheem.com/Project-Sizing-Solutions**

Commercial Financing

*Commercial KwikComfort Financing—*via Fernwood Capital™ & Leasing—provides financing options for business owners and national accounts, so you can:

- Increase sales with more affordable equipment
- Improve rate of repeat business
- Receive faster payment to your company
- Increase profits by selling monthly payments, not total cost

H₂AC® Rooftop Unit Featuring eSync® Integration Technology

Our integrated air and water system is the first and only system of its kind—and available exclusively from Rheem®. Our eSync Integration Technology brings a new level of savings and efficiency to full-service restaurants and other businesses by using heat that is normally rejected into the atmosphere to heat water.

With the highly efficient integrated air and water system, you will experience:

- Lowest cooling and water heating operational costs available
- Up to 50% savings on your annual water heating costs
- Up to 20% savings on your annual energy costs
- Less than a two-year payback
- Reduced energy footprint
- System contributes to your environmental initiatives
- One-source provider for air and water solutions
- Trusted Rheem quality and reliability

Visit Rheem.com/H2AC for more information.

UP TO
50% SAVINGS
ON YOUR ANNUAL WATER HEATING COSTS[1]

[1]Results will vary; Data based on a field test performed in 2014 at Applebees® in Oxford, AL.

Contact Us

Customer Service, Warranty, Parts 800.621.5622

Tankless Support 866.720.2076

Technical Service 800.HEATER3 (800.432.8373)

Application Engineering .... application.engineering@rheem.com

Visit us online at **Rheem.com/Commercial-Tankless** or see your local distributor.