

ADVANTAGEPLUS™ FROM RHEEM-RUUD WATER HEATERS

95% Efficiency!

*Get drastically lower operating costs
with sealed-combustion!*

AdvantagePlus from Rheem-Ruud.
The sealed-combustion gas fired
water heater line that's perfect for
commercial applications needing
LARGE VOLUMES of LOW-COST
hot water.

*Meets SCAQMD Rule 1146.2
and TNRCC Low NOx requirements.*



Commercial water heaters
from Rheem-Ruud



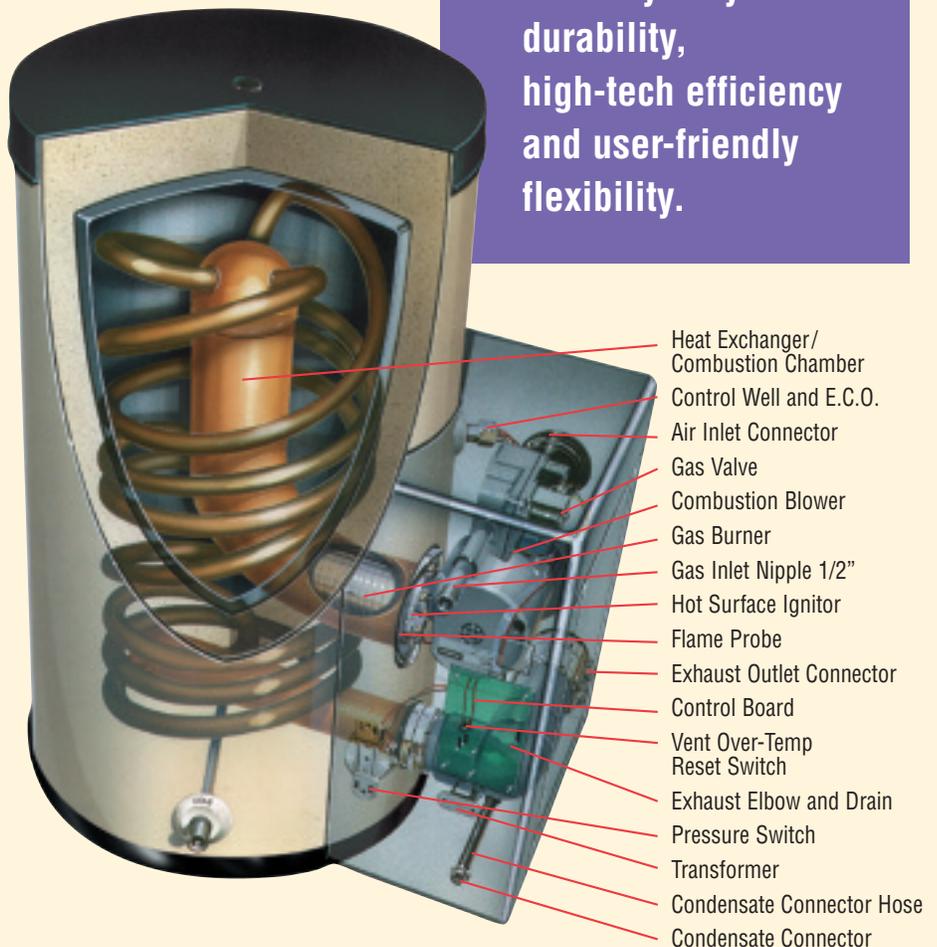
AdvantagePlus™ from Rheem-Ruud

The sealed-combustion gas fired water heater line that's perfect for commercial applications needing **LARGE VOLUMES** of **LOW-COST** hot water.

- **95% efficient sealed-combustion design:** Saves hundreds, even thousands, of dollars in annual operating costs.
- **No chimney required** – Vents up to 40 feet using 3" Schedule 40 PVC, CPVC or ABS pipe.*
* 100,000 and 130,000 BTU/hour models are certified to vent with 2" Schedule PVC, CPVC or ABS Pipe.
- **Low-weight design:** Rust-proof nonferrous outer jacket and nonmetallic trim components make AdvantagePlus much lighter and easier to maneuver than comparable competitive models.
- **Rugged and corrosion-resistant 316L stainless steel tank** ensures long life. No anode rod is needed.
- **High-efficiency 90/10 cupronickel heat exchanger** features the same highly durable, corrosion-resistant material commonly used for boiler heat exchangers.
- **Whisper-quiet design:** The burner and blower assembly is located below eye level and behind an enclosure made of ABS plastic, resulting in an ultra-quiet operation.
- **Easy to service:** All components and controls are conveniently located behind an easy-to-remove, front-mounted access panel.
- **Storage capacities** from 45 to 119 gallons.
- **Inputs** from 100,000 to 199,000 BTU/hour.
- **Large volumes fast:** 119-gallon, 199,000 BTU/hour model delivers 314 gallons of hot water in the first hour, while needing only 31 minutes to fully recover.
- **Saves energy:** No burning pilot light.
- **Meets low NOx requirements** in California (SCAQMD Rule 1146.2) and Texas (TNRCC).
- **No chimney required:** 85 equivalent feet of vent length, using plastic pipe.

- **Self-diagnostic electronic control:** Features digital readout of water temperature set point and differential.
- **Minimizes heat loss:** 2" polyurethane foam insulation shrinks heat loss to less than 0.5° F per hour (R-17 rating).
- **Wide temperature-setting range:** 70°F to 160°F (180°F on booster models).
- **Zero clearance** to any combustible surface.
- **Easy equipment servicing** through highly accessible front cover (24" service clearance recommended).

The ultimate in heavy-duty durability, high-tech efficiency and user-friendly flexibility.



Rheem-Ruud AdvantagePlus

RECOVERY CAPACITIES

| MODEL NUMBER | CAPACITY | INPUT | EFFICIENCY | TEMPERATURE RISE - DEGREES F - GALLONS PER HOUR | | | | | | | | | | |
|--------------|----------|---------|------------|---|-----|-----|-----|-----|-----|------|------|------|------|------|
| | | | | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° |
| HE45-100 | 45 | 100,000 | 95% | 288 | 230 | 192 | 165 | 144 | 128 | 115 | 105 | 96 | N/A | N/A |
| HE45-130 | 45 | 130,000 | 95% | 374 | 299 | 249 | 214 | 187 | 166 | 150 | 136 | 125 | N/A | N/A |
| HE80-130 | 80 | 130,000 | 95% | 374 | 299 | 249 | 214 | 187 | 166 | 150 | 136 | 125 | N/A | N/A |
| HE119-130 | 119 | 130,000 | 95% | 374 | 299 | 249 | 214 | 187 | 166 | 150 | 136 | 125 | N/A | N/A |
| HE45-160 | 45 | 160,000 | 95% | 461 | 368 | 307 | 263 | 230 | 205 | 184 | 167 | 154 | 142 | 132 |
| HE80-160 | 80 | 160,000 | 95% | 461 | 368 | 307 | 263 | 230 | 205 | 184 | 167 | 154 | N/A | N/A |
| HE119-160 | 119 | 160,000 | 95% | 461 | 368 | 307 | 263 | 230 | 205 | 184 | 167 | 154 | N/A | N/A |
| HE45-199 | 45 | 199,000 | 95% | 573 | 458 | 382 | 327 | 286 | 255 | 229 | 208 | 191 | 176 | 164 |
| HE80-199 | 80 | 199,000 | 95% | 575 | 460 | 384 | 329 | 288 | 256 | 230 | 209 | 192 | N/A | N/A |
| HE119-199 | 119 | 199,000 | 95% | 575 | 460 | 384 | 329 | 288 | 256 | 230 | 209 | 192 | N/A | N/A |

Recovery rating is based on a recovery efficiency obtained in an UL laboratory.
This model exceeds the minimum NAECA energy factor requirements of ASHRAE 90.1b-1992.

MAXIMUM DELIVERY (in gallons) (Includes useable storage and recovery for indicated times)

| MODEL NUMBER | CAPACITY | INPUT | EFFICIENCY | TEMP. RISE | 5 MIN. | 10 MIN. | 15 MIN. | 20 MIN. | 30 MIN. | 45 MIN. | 1 HR. | 2 HR. | 3 HR. | MIN. TO RECOVER CONTENTS |
|--------------|----------|---------|------------|------------|--------|---------|---------|---------|---------|---------|-------|-------|-------|--------------------------|
| HE45-100 | 45 | 100,000 | 95% | 100° | 41 | 51 | 60 | 70 | 89 | 118 | 147 | 262 | 377 | 23 |
| HE45-130 | 45 | 130,000 | 95% | 100° | 44 | 56 | 69 | 81 | 106 | 144 | 181 | 331 | 481 | 18 |
| HE80-130 | 80 | 130,000 | 95% | 100° | 68 | 81 | 93 | 106 | 131 | 168 | 206 | 355 | 505 | 32 |
| HE119-130 | 119 | 130,000 | 95% | 100° | 96 | 109 | 121 | 134 | 159 | 196 | 234 | 383 | 533 | 48 |
| HE45-160 | 45 | 160,000 | 95% | 100° | 47 | 62 | 78 | 93 | 124 | 170 | 216 | 400 | 584 | 15 |
| HE80-160 | 80 | 160,000 | 95% | 100° | 71 | 87 | 102 | 117 | 148 | 194 | 240 | 424 | 609 | 26 |
| HE119-160 | 119 | 160,000 | 95% | 100° | 99 | 115 | 130 | 145 | 176 | 222 | 268 | 452 | 637 | 39 |
| HE45-199 | 45 | 199,000 | 95% | 100° | 51 | 70 | 89 | 108 | 146 | 203 | 261 | 490 | 719 | 12 |
| HE80-199 | 80 | 199,000 | 95% | 100° | 75 | 94 | 114 | 133 | 171 | 229 | 286 | 516 | 747 | 21 |
| HE119-199 | 119 | 199,000 | 95% | 100° | 103 | 122 | 141 | 161 | 199 | 257 | 314 | 544 | 774 | 31 |

DIMENSIONAL INFORMATION (All dimensions shown in inches)

| MODEL NUMBER | HEIGHT | WIDTH | DEPTH | VENT | APPROX. SHIPPING WEIGHT (LBS.) |
|--------------|--------|--------|-------|----------------|--------------------------------|
| HE45-100 | 42 | 23-1/2 | 32 | 2 [†] | 175 |
| HE45-130 | 42 | 23-1/2 | 32 | 2 [†] | 175 |
| HE45-160 | 42 | 23-1/2 | 32 | 3 | 175 |
| HE45-199 | 42 | 23-1/2 | 32 | 3 | 175 |
| HE80-130 | 72 | 23-1/2 | 32 | 2 [†] | 235 |
| HE80-160 | 72 | 23-1/2 | 32 | 3 | 235 |
| HE80-199 | 72 | 23-1/2 | 32 | 3 | 235 |
| HE119-130 | 73 | 27 | 36 | 2 [†] | 405 |
| HE119-160 | 73 | 27 | 36 | 3 | 405 |
| HE119-199 | 73 | 27 | 36 | 3 | 405 |

[†]Models with inputs of 100,000 kBtu and 130,000 kBtu are certified to vent with 2" Schedule 40 PVC, CPVC or ABS pipe.

CLEARANCES TO COMBUSTIBLES

| MODEL NUMBER | REAR / SIDES | FRONT* | TOP |
|--------------|--------------|--------|-----|
| HE45-100 | 0 | 0 | 0 |
| HE45-130 | 0 | 0 | 0 |
| HE45-160 | 0 | 0 | 0 |
| HE45-199 | 0 | 0 | 0 |
| HE80-130 | 0 | 0 | 0 |
| HE80-160 | 0 | 0 | 0 |
| HE80-199 | 0 | 0 | 0 |
| HE119-130 | 0 | 0 | 0 |
| HE119-160 | 0 | 0 | 0 |
| HE119-199 | 0 | 0 | 0 |

* 24" service clearance recommended



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Rheem-Ruud AdvantagePlus

LIMITED WARRANTY

This product features a three-year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.

CERTIFICATIONS AND RATINGS

EFFICIENCY

The water heaters are UL/ULC listed and exceed the minimum efficiency requirements of current ASHRAE Standards.

SAFETY AND CONSTRUCTION

All water heaters are supplied with an AGA/ASME rated temperature and pressure relief valve. The control panel is an integrated solid state temperature and ignition control device with integral diagnostics, LED fault display capability and a digital display of temperature settings.

CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE.



In keeping with its policy of continuous progress and product improvement, Rheem-Ruud reserves the right to make changes without notice.

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Not all models are available in Canada.

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