POCKET GUIDE

Effective April 2015

WATER HEATING SOLUTIONS

RESIDENTIAL & COMMERCIAL

Rheem

The new degree of comfort.™

ENERGY STAR

Water | Residential and Commercial Water Heaters

Rheem.com

Residential Products

Marathon Products

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Commercial Products

ELITEXPRESS 48 HOUR DELIVERY

Time is Money. We respect your time and our EliteXpress 48-hour guarantee proves it.

Our most popular commercial water heaters will be ready and waiting for the plumbing contractor at any Rheem commercial water heater distributors' warehouse in 48-hours or less.

Models available for 48-hour delivery: SPIDER*fire*, Universal, Universal Low NOx, Universal Ultra Low NOx, Xtreme, Medium Duty, Medium Duty Ultra Low NOx, Power Vent, Power Direct Vent, Heavy Duty Electric, PowerPack ASME, Booster, Light Duty Electric, Point-of-Use, Storage Tanks (ST-80, ST-120, ST175)

Professional Model Numbers

Gas Models

PROG40S-38N RH62 XXX -1

- PRO Models
- (If "+", then Classic Plus Platform)
- Fuel Type: G-Gas, E-Electric
- Rated Capacity: (Gallons)
- Height: S-Short
- Input Rate: (kbtu/hr)
- Gas Type: N-Natural, P-LP, U-ULNOx
- Brand: RH-Rheem
- Energy Factor (or Blank)
- Miscellaneous: DV-Direct Vent, DVX-DV Coax (Manufactured Housing), MH-Manufactured Housing, PV-Power Vent, PDV Power Direct Vent, EC1-Elec. Control Level 1, EC2-Elec. Control Level 2, H-High Altitude, ID-Induced Draft, PD-Powered Damper
- Rev. Level (If present)

Electric Models

PROE50 M2 RH95 XXX -1

- PRO Models
- (If "+", then Classic Plus Platform)
- Fuel Type: G-Gas, E-Electric
- Rated Capacity: (Gallons)
- Height: S-Short, M-Medium, T-Tall
- Elements: 1-1 Element, 2-2 Elements
- Brand: RH-Rheem
- Energy Factor (or Blank)
- Miscellaneous: MH-Manufactured Housing, EC1-System Sentinel, POU-Point-of-Use, B-Blanket
- Rev. Level (If present)

EcoNet™

EcoNet™

Introducing EcoNet™, the smart home system for heating, cooling and water heating developed exclusively by Rheem.

The EcoNet™ WiFi Kits provide remote access to EcoNet™ Enabled Electric and Gas Water Heaters from mobile apps and a mobile friendly web portal.

Contractor Benefits:
EcoNet™ makes it easier than ever for homeowners to save energy and achieve that perfect temperature – all while giving you the diagnostics you need to deliver that perfect level of service.

- Equipment Detection – EcoNet™ automatically detects all connected equipment
- Equipment Alerts – Help homeowners identify what part of equipment requires attention before making service call
- Contact Info – Contractor contact details stored in the EcoNet™ app are automatically displayed when equipment alerts occur

ENERGY STAR® Qualified Water Heaters

What is ENERGY STAR®?

ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

Energy efficient choices can save families about a third on their energy bill with similar savings of greenhouse gas emissions, without sacrificing features, style or comfort. ENERGY STAR® helps you make the energy efficient choice.

Tankless Models

Gas

Direct Vents

- ★ RTGH-84DVLN
- ★ RTGH-84DVLP
- ★ RTGH-90DVLN
- ★ RTGH-90DVLP
- ★ RTGH-95DVLN
- ★ RTGH-95DVLP

Outdoor

- ★ RTGH-84XLN
- ★ RTGH-84XLP
- ★ RTGH-90XLN
- ★ RTGH-90XLP
- ★ RTGH-95XLN
- ★ RTGH-95XLP

Tank Models

Gas

Induced Draft

- ★ PRO+G29-60N RH70 ID

Short Powered Damper

- ★ PRO+G40S-40N RH67 PD
- ★ PRO+G50S-40N RH67 PD

Tall Powered Damper

- ★ PROP G38-40N RH69 PD
- ★ PROP G50-40N RH67 PD
- ★ PRO+G38-40N RH69 PD
- ★ PRO+G50-40N RH67 PD
- ★ PRO+G50-50N RH67 PD

Tall Hi-Input Powered Damper

- ★ PRO+G50-50N RH67 PD

Powered Damper Ultra Low NOx

- ★ PROP G40-36U RH68
- ★ PROP G50-36U RH68
- ★ PRO+G40-36U RH68
- ★ PRO+G50-36U RH68

Short Power Vent

- ★ PROG40S-36N RH67 PV
- ★ PROG50S-36N RH67 PV

Tall Power Vent

- ★ PROG40-40N RH67 PV
- ★ PROG50-42N RH67 PV

Power Vent Ultra Low NOx

- ★ PROG40-36U RH67 PV
- ★ PROG50-38U RH67 PV

Power Direct Vent

- ★ RHE40S
- ★ RHE50
- ★ PROG40-40N RH67 PDV
- ★ PROG50-40N RH67 PDV

Electric

Hybrid Heat Pump

- ★ HB50RH

Commercial Models

SPIDER*fire*

- ★ GHE80ES-130(A)
- ★ GHE80ES-150(A)
- ★ GHE80ES-200(A)
- ★ GHE80ES-250(A)
- ★ GHE80ES-300(A)
- ★ GHE100ES-130(A)
- ★ GHE100ES-160(A)
- ★ GHE100ES-200(A)
- ★ GHE100ES-250(A)
- ★ GHE100ES-300(A)
- ★ GHE100ES-350(A)
- ★ GHE100ES-400(A)

AdvantagePlus

- ★ HE55-100
- ★ HE55-130
- ★ HE80-130
- ★ HE119-130
- ★ HE55-160
- ★ HE80-160
- ★ HE119-160
- ★ HE55-199
- ★ HE80-199
- ★ HE119-199

Professional *Prestige*™ High Efficiency Condensing Power Direct Vent

Efficiency
- .82 EF
- ENERGY STAR® rated

Performance
- FHR: Up to 93 gallons for natural and LP gas
- Recovery: 43.6 to 48.5 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Integrated system control for easy installation and service
- Diagnostic system control can be replaced without draining the water heater

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Power direct vents are an ideal choice when either indoor air quality or negative air pressure are concerns
- Two-pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC, 60Hz, induced draft blower
- New whisper quiet blower

Innovative Technology
- Proven center flue design with submerged coil type condensing heat exchanger
- Heat exchanger is porcelain coated inside and out for increased product life

Flammable Vapor Detection System
- FVIR compliant protective
- Control system that disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options
- Long venting lengths up to 60 feet
- Use 2 or 3 inch diameter PVC, ABS, or CPVC vent pipe options. (In Canada ULC S636 PVC and CPVC must be used.)
- Vertical or horizontal termination
- Concentric vent kit available

Longer Life
- Dual anode rods protect the tank from corrosion

High Altitude Compliant
- Models are certified for applications up to 9,000 feet above sea level

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride igniter (HSI)
- Inlet tube with diffuser enhances heat transfer
- Front access to condensate trap and vent pipe
- Condensate neutralizer option
- Standard replacement parts

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Points = 2

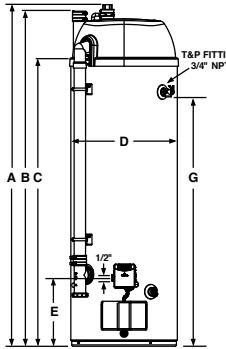
DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.	
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO TOP OF VENT A	HT. TO TOP OF AIR INLET B	TANK HT. C	DIAM. D	HT. TO GAS CONN. E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)	ENERGY FACTOR	
			NAT.	LP	NAT.	LP	NAT.	LP											NAT.	LP
Short	38	★ RHE40S	40	36	48.5	43.6	74	74	60-3/8	60-1/8	51-1/16	22-1/8	14-1/8	8	44-1/4	3/4	26-11/16	220	0.82	0.82
Tall	48	★ RHE50	40	36	48.5	43.6	93	93	68-3/4	68-5/8	59-11/16	22-1/8	14-1/8	8	52-7/8	3/4	26-11/16	250	0.82	0.82

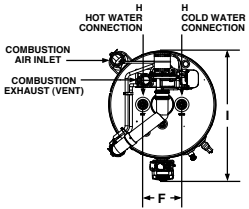
***Refer to Specification Sheet on Rheem.com for LP model numbers.** • Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ ENERGY STAR® compliant model.

Air-Inlet and Venting Information for RHE40S and RHE50

MODEL NUMBER	VENT & COMBUSTION AIR-INLET PIPE DIAMETER (INCHES)	MINIMUM ALLOWED EQUIVALENT VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAXIMUM ALLOWED EQUIVALENT VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
From Sea Level Through 5,999 ft. Above Sea Level					
RHE40S	2	7	30	90° Elbows	Concentric*
RHE40S	3	7	60	90° Elbows	Concentric*
RHE50	2	7	30	90° Elbows	Concentric*
RHE50	3	7	60	90° Elbows	Concentric*
From 6,000 ft. Above Sea Level Through 8,999 ft. Above Sea Level					
RHE40S	2	Not Allowed	Not Allowed	–	–
RHE40S	3	7	45	90° Elbows	Concentric*
RHE50	2	Not Allowed	Not Allowed	–	–
RHE50	3	7	45	90° Elbows	Concentric*

One 90° elbow is equivalent to 5 feet of straight pipe. One 45° elbow is equivalent to 2.5 feet of straight pipe. The vent and combustion air inlet terminations are not included in the equivalency calculations.
* Use only Rheem 3 inch concentric termination kit SP20245.





Professional *Prestige*™ Powered Damper

Efficiency
- .67 - .69 EF
- ENERGY STAR® rated

Performance
- FHR: 68 - 84 gallons
- Recovery: Up to 40.4 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Technology
- 24 VAC flue damper, 110 VAC outlet required
- Includes 19-foot cord, 3-prong plug
- Standard Cat. I, double-wall, B-vent, 3" (4" adaptor included)

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Certified to 10,100 ft. above sea level (50-gallon 50K Btu/h model certified to 5,999 feet above sea level)

Plus…
- Dual certified for both potable water and space heating
- Enhanced flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 12-Year limited tank and parts warranty*

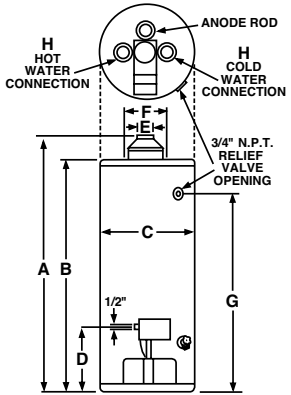
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
			NAT.	LP	NAT.	LP	NAT.										
Tall	38	★ PROP G38-40N RH69 PD	40	36	40.4	36.4	68	62-3/4	57-3/4	19-3/4	14	3 or 4	8	52-1/4	3/4	140	0.69
Tall	50	★ PROP G50-40N RH67 PD	40	36	40.4	36.4	84	63	58	21-3/4	14	3 or 4	8	52-1/2	3/4	160	0.67

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**



Professional *Prestige*™ Powered Damper Ultra Low NOx

Efficiency
- .68 EF
- ENERGY STAR® rated

Performance
- FHR: 93 gallons for 50-gallon model and 71 gallons for 40-gallon
- Recovery: 36.4 GPH at a 90° F rise

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Ultra low NOx 36,000 Btu/h burner
- Meets 10 ng/J NOx requirements
- SCAQMD Rule 1121 compliant

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Technology
- 24 VAC flue damper, 110 VAC outlet required
- Includes 19-foot cord, 3-prong plug
- Standard Cat. I, double-wall, B-vent, 3" (4" adaptor included)

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

High Altitude Compliant
- Certified to 10,200 ft. above sea level

Plus…
- Dual certified for both potable water and space heating
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 12-Year limited tank and parts warranty*

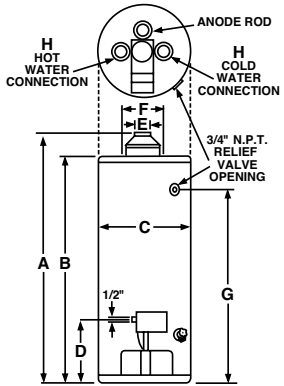
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
Tall	40	★ PROP G40-36U RH68	36	36.4	71	65	60	21	17-3/8	3 or 4	8	54	3/4	150	0.68
Tall	50	★ PROP G50-36U RH68	36	36.4	93	64-3/4	59-3/4	23	17-3/8	3 or 4	8	53-3/4	3/4	180	0.68

Energy Factor based on D.O.E. (Department of Energy) test procedures.

★ **ENERGY STAR® compliant model.**



Professional *Classic Plus*™ Induced Draft

Efficiency
- .70 EF
- ENERGY STAR® rated
- Well insulated for reduced stand-by heat loss

Performance
- 29-Gallon capacity with 90 gallon FHR performance
- Recovery: 61 GPH at 90° F rise, exceeds standard 50-gallon by up to 49%

Compact Size
- Small foot print, 17-3/4 inch diameter
- Fast one-man installation, compact and light weight

Self-Diagnostic System
- Integrated self-diagnostic system control for easy installation and service

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

Technology
- 110 VAC draft inducer (includes 8-foot cord with 3-prong plug)
- Standard atmospheric Category I, double-wall, B-vent, 3" or 4" (4" adaptor included)
- Fan assisted draft inducer creates the proper draft to expel the combustion gases

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Certified for applications up to 7,700 feet above sea level

Plus…
- Dual certified for both potable water and space heating
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

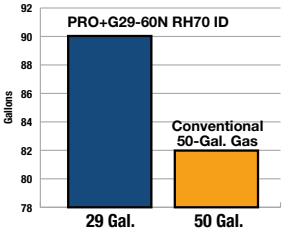
DESCRIPTION		FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P G	WATER CONN. H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
29	★ PRO+G29-60N RH70 ID	60	61	90	65-1/2	58-1/4	17-3/4	14	3 or 4	8	51-9/16	3/4	136	0.70

Energy Factor based on D.O.E. (Department of Energy) test procedures.

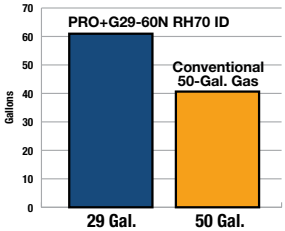
★ **ENERGY STAR® compliant model.**

Performance

First Hour Rating

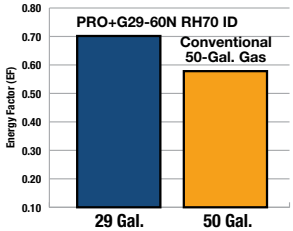


Recovery

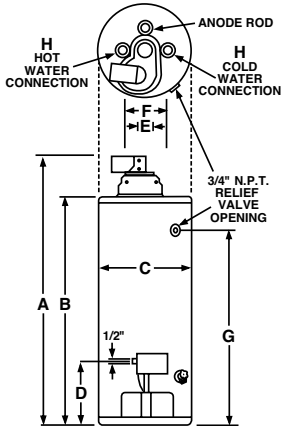


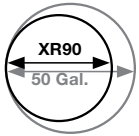
Efficiency

Energy Efficiency



Energy Factor based on FTC Energy Guide labels.





Footprint Comparison
Narrow 17-3/4 inch diameter fits in a smaller space than standard 40 or 50-gallon models.

Professional *Classic Plus*™ Powered Damper

Efficiency
- .67 - .69 EF
- ENERGY STAR® rated

Performance
- FHR: 68 - 89 gallons
- Recovery: Up to 50.5 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Technology
- 24 VAC flue damper, 110 VAC outlet required
- Includes 19-foot cord, 3-prong plug
- Standard Cat. I, double-wall, B-vent, 3" (4" adaptor included)

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Certified to 10,100 ft. above sea level (50-gallon 50K Btu/h model certified to 5,999 feet above sea level)

Plus…
- Dual certified for both potable water and space heating
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

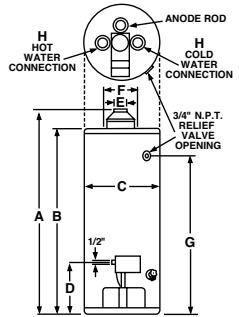
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
			NAT.	LP	NAT.	LP	NAT.										
Tall	38	★ PRO+G38-40N RH69 PD	40	36	40.4	36.4	68	62-3/4	57-3/4	19-3/4	14	3 or 4	8	52-1/4	3/4	140	0.69
Tall	50	★ PRO+G50-40N RH67 PD	40	36	40.4	36.4	84	63	58	21-3/4	14	3 or 4	8	52-1/2	3/4	160	0.67
Tall	50	★ PRO+G50-50N RH67 PD	50	–	50.5	–	87	63-1/2	58	21-3/4	14	4	8	52-1/2	3/4	160	0.67
Short	40	★ PRO+G40S-40N RH67 PD	40	36	40.4	36.4	72	55-1/2	50-1/2	21-3/4	14	3 or 4	8	44	3/4	140	0.67
Short	50	★ PRO+G50S-40N RH67 PD	40	36	40.4	36.4	89	55-1/2	50-1/2	23-3/4	14	3 or 4	8	44	3/4	160	0.67

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**



Professional *Classic Plus*™ Atmospheric

Efficiency
- .59 - 62 EF
- More hot water at a low operating cost

Performance
- FHR: 68 to 103 gallons for natural gas
- Recovery: 36.4 to 61 GPH at a 90° F rise, depending on model

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

Longer Life
- Premium grade anode rod provides long-lasting tank protection

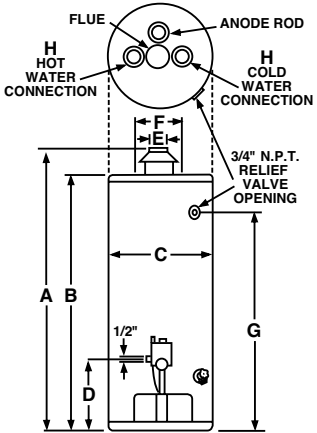
Plus…
- Easy to light – no matches required
- EverKleen™ patented system fights sediment build-up
- Enhanced flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

[1]LEED Point = 1



DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
			NAT.	LP	NAT.	LP	NAT.										
Tall	40	PRO+G40-40N RH62†	40	36	40.4	36.4	68	63-1/4	60	19-1/2	14	3 or 4	8	53-1/2	3/4	135	0.62
Tall	48	PRO+G48-60N RH60	60	54	61	55	93	61-3/4	58-1/2	21-3/4	14-3/8	4	11	51-7/8	3/4	150	0.60
Tall	50	PRO+G50-40N RH62†	40	36	40.4	36.4	83	62-1/2	59-1/4	21-1/2	14	3 or 4	8	52-1/2	3/4	165	0.62
Tall	55	PRO+G55-50N RH59	50	45	51	46	103	59-1/8	55-7/8	23-3/4	14-1/4	3 or 4	8	48-3/4	3/4	175	0.59
Short	40	PRO+G40S-40N RH62†	40	36	40.4	36.4	72	54	50-1/2	23	14	3 or 4	8	44	3/4	135	0.62
Short	50	PRO+G50S-40N RH61	40	36	40.4	36.4	89	54-1/4	51-1/8	23-3/4	14-1/4	3 or 4	8	44	3/4	186	0.61

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.

†LEED Point = 1

Professional *Classic Plus*™ Heavy Duty

Performance
- Recovery Capacity: 72.8 gallons per hour (delivers approximately 113 gallons of hot water in the first hour for 75-gallon models and 115 gallons for 98-gallon models)**

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Easy to Light
- Piezo Ignitor - no matches required

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Side water connections for space heating applications
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Efficiency | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

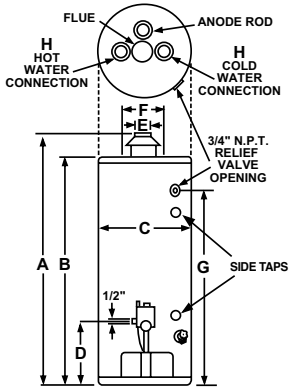
Safety and Construction | Design certified by CSA: For operation at 160 degrees; meets all safety and construction requirements of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure**.

DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 100° RISE**		HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)
			NAT.	LP	NAT.	LP									
Tall	75	PRO+G75-76N RH	75.1	75.1	72.8	72.8	64	60	26-1/4	14-3/4	4	11	53-1/4	1	320
Tall	98	PRO+G98-76N RH	75.1	75.1	72.8	72.8	67-7/8	64	28-1/4	14-7/8	4	11	57-3/16	1	350

**Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards. First hour hot water delivery is based upon 77° water temperature rise.

***Refer to Specification Sheet on Rheem.com for LP model numbers.**

• 160° F Max. temperature setting.



Professional *Classic Plus*™ Power Direct Vent

Efficiency
- .62 EF

Performance
- FHR: 111 gallons for natural and 92 gallons LP gas
- Recovery: 47.5 to 65.7 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Two pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC powered blower
- New whisper quiet blower

Flammable Vapor Detection System
- Protective control system that disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options
- Long venting lengths up to 100 feet
- 3" or 4" PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Models are certified for applications up to 10,200 feet above sea level

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride igniter (HSI)
- Side taps for space heating applications
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

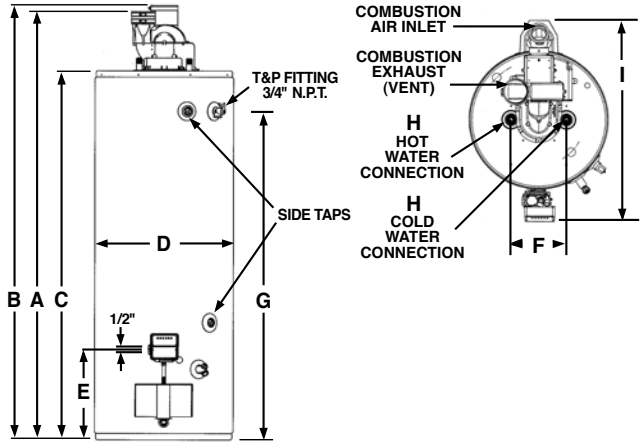
Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.	
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO TOP OF VENT A	HT. TO TOP OF AIR INLET B	TANK HT. C	DIAM. D	HT. TO GAS CONN. E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)	ENERGY FACTOR	
			NAT.	LP	NAT.	LP	NAT.	LP											NAT.	LP
Tall	50	PRO+G50-65N RH62 PDV	65	47	65.7	47.5	111	92	67-5/8	68-3/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	210	0.62	0.62

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.

Air-Inlet and Venting Information – See Next Page.



Professional *Classic Plus*™ Power Direct Vent

Air-Inlet and Venting Information

FROM SEA LEVEL THROUGH 2,000 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G50-65N RH62 PDV	3	7	50	90° Elbows	–
PRO+G50-65N RH62 PDV	3	7	40	–	Concentric*
PRO+G50-65N RH62 PDV	4	7	100	90° Elbows	–

FROM 2,001 FT. ABOVE SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G50-65N RH62 PDV	3	7	50	90° Elbows	–
PRO+G50-65N RH62 PDV	3	7	40	–	Concentric*
PRO+G50-65N RH62 PDV	4	7	100	90° Elbows	–

One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.
* Use only Rheem 3 inch concentric termination.

Air-Inlet and Venting Information

FROM 6,000 FT. ABOVE SEA LEVEL THROUGH 7,700 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G50-65N RH62 PDV	3	7	50	90° Elbows	–
PRO+G50-65N RH62 PDV	3	7	40	–	Concentric*
PRO+G50-65N RH62 PDV	4	7	100	90° Elbows	–

FROM 7,701 FT. ABOVE SEA LEVEL THROUGH 10,200 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G50-65N RH62 PDV	3	7	25	90° Elbows	–
PRO+G50-65N RH62 PDV	3	7	20	–	Concentric*
PRO+G50-65N RH62 PDV	4	7	100	90° Elbows	–

One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.
* Use only Rheem 3 inch concentric termination.

Professional *Classic Plus*™ Heavy Duty Power Direct Vent

Performance
- Recovery Capacity: 72.8 gallons per hour (delivers approximately 120 gallons of hot water in the first hour)**

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Two pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC powered blower
- New whisper quiet blower

Flammable Vapor Detection System
- Protective control system that disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options
- Long venting lengths up to 100 feet
- 3” or 4” PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

Longer Life
- Premium grade anode rod provides long-lasting tank protection

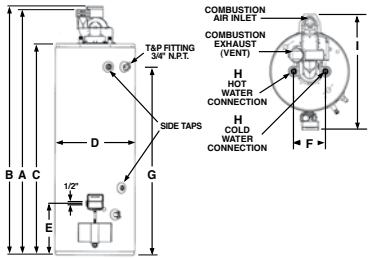
Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride igniter (HSI)
- Side taps for space heating applications
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Efficiency | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

Safety and Construction | Design certified by CSA: For operation at 160 degrees; meets all safety and construction requirements of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure**.



DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 100° RISE**		HT. TO TOP OF VENT A	HT. TO TOP OF AIR INLET B	TANK HT. C	DIAM. D	HT. TO GAS CONN. E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)
			NAT.	LP	NAT.	LP										
Tall	75	PRO+G75-76N RH PDV	75.1	75.1	72.8	72.8	70-3/8	71-1/4	60-1/2	26-1/4	15	11	53	1	36-3/4	325

***Refer to Specification Sheet on Rheem.com for LP model numbers.**

Vent and Combusion Air-Inlet System Information

FROM SEA LEVEL THROUGH 2,000 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G75-76N RH PDV	3	8	50	90° Elbows	–
PRO+G75-76N RH PDV	3	8	40	–	Concentric*
PRO+G75-76N RH PDV	4	8	100	90° Elbows	–

FROM 2,001 FT. ABOVE SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G75-76N RH PDV	3	8	25	90° Elbows	–
PRO+G75-76N RH PDV	3	8	20	–	Concentric*
PRO+G75-76N RH PDV	4	8	100	90° Elbows	–

FROM 6,000 FT. ABOVE SEA LEVEL THROUGH 7,700 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PRO+G75-76N RH PDV	4	8	50	90° Elbows	–

One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe. * Use only Rheem 3 inch concentric termination.

Professional *Classic Plus*™ Heavy Duty Power Vent

Performance
- Recovery Capacity: 72.8 gallons per hour (delivers approximately 120 gallons of hot water in the first hour)**

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 110 VAC electrical connection
- New whisper quiet blower
- Offers larger capacities than the standard Power Vent

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options
- Long venting lengths up to 100 equivalent feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride ignitor (HSI)
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Efficiency | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

Safety and Construction | Design certified by CSA: For operation at 160 degrees; meets all safety and construction requirements of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure**.

DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 100° RISE**		HT. TO TOP OF ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)
			NAT.	LP	NAT.	LP								
Tall	75	PRO+G75-76N RH PV	75.1	–	72.8	–	71-7/8	60-1/8	26-1/4	14-1/2	11	53-1/4	1	330

***Refer to Specification Sheet on Rheem.com for LP model numbers.**

**Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards. First hour hot water delivery is based upon 77° water temperature rise.

- 160° F Max. temperature setting.
- Features side water connections for space heating applications.

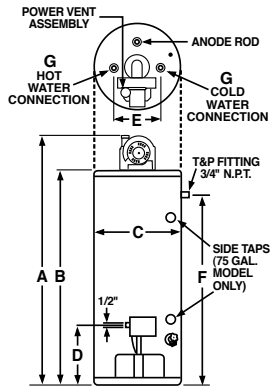
Maximum and Minimum Vent Lengths for 3" and 4" Vents

FROM SEA LEVEL THROUGH 2,000 FT. ABOVE SEA LEVEL				
MODEL	VENT SYSTEM DIAMETER	MIN. ALLOWED EQUIVALENT VENT LENGTHS (EACH PIPE RUN)	MAX. ALLOWED EQUIVALENT VENT LENGTHS (EACH PIPE RUN)	VENT SYSTEM TERMINATION(S)
75-Gallon	3 Inches	10 Feet	50 Feet	90° Elbow
	4 Inches	10 Feet	100 Feet	90° Elbow

For the 3" and 4" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.

NOTICE: The mixing of 3" and 4" vent pipe is not recommended. If 4" pipe is used, a 3" to 4" reducer fitting is recommended at the rubber coupling.

This water heater is supplied with a 3" Schedule 40 PVC 90° vent terminal. When venting with 4" pipe, a Schedule 40 PVC 90° vent terminal must be used. Screens for both 3" and 4" vent terminals have been included.



Professional *Classic Plus*™ Powered Damper Ultra Low NOx

Efficiency
- .68 EF
- ENERGY STAR® rated

Performance
- FHR: 93 gallons for 50-gallon model and 71 gallons for 40-gallon
- Recovery: 36.4 GPH at a 90° F rise

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Ultra low NOx 36,000 Btu/h burner
- Meets 10 ng/J NOx requirements
- SCAQMD Rule 1121 compliant

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Technology
- 24 VAC flue damper, 110 VAC outlet required
- Includes 19-foot cord, 3-prong plug
- Standard Cat. I, double-wall, B-vent, 3" (4" adaptor included)

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Certified to 10,200 ft. above sea level

Plus…
- Dual certified for both potable water and space heating
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

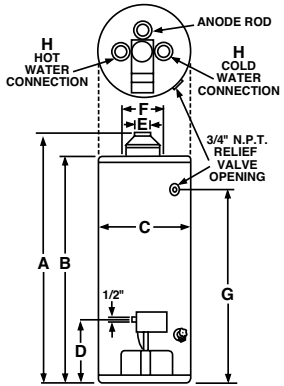
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
Tall	40	★ PRO+G40-36U RH68	36	36.4	71	65	60	21	17-3/8	3 or 4	8	54	3/4	150	0.68
Tall	50	★ PRO+G50-36U RH68	36	36.4	93	64-3/4	59-3/4	23	17-3/8	3 or 4	8	53-3/4	3/4	180	0.68

Energy Factor based on D.O.E. (Department of Energy) test procedures.

★ **ENERGY STAR® compliant model.**



Professional *Classic Plus*™ Ultra Low NOx

Efficiency
- .59 - .62 EF
- More hot water at a low operating cost

Performance
- FHR: 53 - 104 gallons for natural gas
- Recovery: Up to 45.5 GPH at a 90° F rise, depending on model

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions
- Ultra Low NOx radiant burner design
- Stainless steel burner
- SCAQMD Rule 1121 compliant
- Meets 10 ng/J NOx requirements

High Altitude Compliant
- All models certified to 5,999 ft. above sea level
- 50 and 55-Gallon models certified to 10,200 ft. above sea level

Plus…
- EverKleen™ patented system fights sediment build-up
- Premium grade anode rod provides long-lasting tank protection
- Easy to light – no matches required
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Exclusive Rheemglas® lining

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

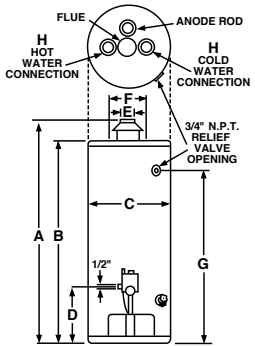
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
Tall	28	PRO+G28-30U RH63	30	30.3	53	58-7/8	56-1/8	16-1/2	17-1/2	3 or 4	8	50-1/8	3/4	108	0.63
Tall	38	PRO+G38-38U RH62	38	38.4	72	60-1/2	57-3/4	19	17-1/2	3 or 4	8	51-3/4	3/4	140	0.62
Tall	50	PRO+G50-36U RH62	36	36.4	91	62-5/8	59-7/8	23	17-3/8	3 or 4	8	53-5/8	3/4	170	0.62
Tall	55	PRO+G55-45U RH59	45	45.5	104	60-3/4	57-1/2	23-3/4	17-1/2	4	8	50-3/4	3/4	182	0.59

Energy Factor based on D.O.E. (Department of Energy) test procedures.



Professional *Classic Plus*™ Heavy Duty Ultra Low NOx

Performance
- Recovery Capacity: 72.8 gallons per hour (delivers approximately 113 gallons of hot water in the first hour for 75-gallon models and 115 gallons for 98-gallon models)**

Flammable Vapor Detection System
- Disables the heater in the presence of flammable vapors
- Maintenance free – no filter to clean

High Altitude Compliant
- All models are certified for applications up to 8,500 feet above sea level

Plus…
- Integrated self diagnostic system control for easy installation and service
- Eco-friendly burner, ultra low NOx design meets 14 ng/J NOx requirements
- Premium grade anode rod provides long-lasting tank protection
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Side water connections for space heating applications
- Standard replacement parts
- Standard 110-volt electrical connection
- Durable silcon nitride igniter – Hot Surface Ignition (HSI)

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

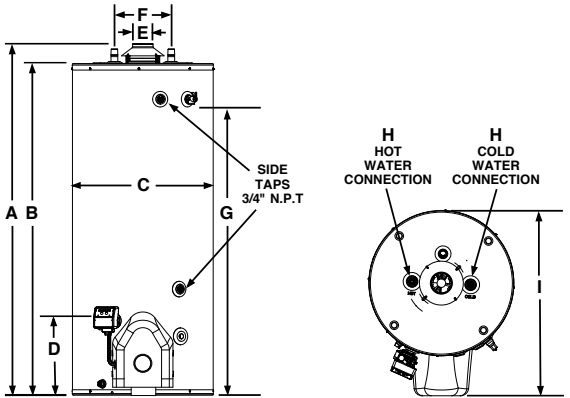
*See Residential Warranty Certificate for complete information

Efficiency | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

Safety and Construction | Design certified by CSA: For operation at 160 degrees; meets all safety and construction requirements of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure**.

DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 100° RISE** NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)
Tall	75	PRO+G75-75U RH	75.1	72.8	64-1/8	60-1/4	26-1/4	14-1/4	4	11	52-1/4	1	33-3/4	300
Tall	98	PRO+G98-75U RH	75.1	72.8	67-7/8	64	27-1/8	14-1/4	4	11	56-1/8	1	34-3/4	370

**Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards. First hour hot water delivery is based upon 77° water temperature rise.



Professional *Classic*™ Atmospheric

Efficiency
- .60 - .63 EF
- More hot water at a low operating cost

Performance
- FHR: 55 to 93 gallons
- Recovery: 30.3 to 40.4 GPH at a 90° F rise, depending on model

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions
- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

Longer Life
- Premium grade anode rod provides long-lasting tank protection

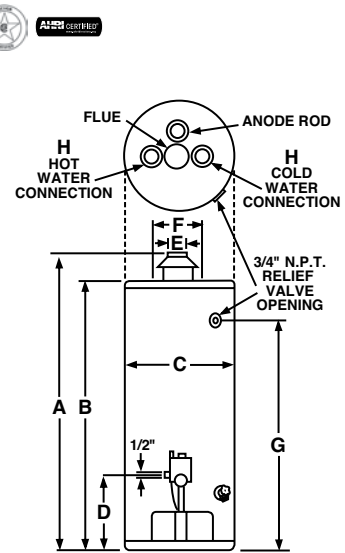
Altitude Certification
- All models certified up to 5,999 ft. above sea level, some certified up to 10,200

Plus…
- Easy to light – no matches required
- EverKleen™ patented system fights sediment build-up
- Enhanced-flow brass drain valve
- Low lead compliant
- Temperature and pressure relief valve included
- Standard replacement parts

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
			NAT.	LP	NAT.	LP	NAT.										
Tall	29	PROG29-32N RH63	32	30	32.3	30.3	55	59-3/4	56-7/8	16-1/2	14-1/4	3 or 4	8	50-3/4	3/4	110	0.63
Tall	40	PROG40-36N RH62†	36	–	36.4	–	67	61-1/2	58-1/2	19	14-1/4	3 or 4	8	52-1/4	3/4	127	0.62
Tall	40	PROG40-38N RH62†	38	–	38.4	–	73	61-1/2	58-1/2	19	14-1/4	3 or 4	8	52-1/4	3/4	127	0.62
Tall	40	PROG40-40N RH62†	40	36	40.4	36.3	68	63-1/4	60	19-1/2	14	3 or 4	8	53-1/2	3/4	135	0.62
Tall	40	PROG40-32P RH62†	–	32	–	32.3	–	61-1/2	58-1/2	18-1/2	14-1/4	3 or 4	8	52-1/4	3/4	125	0.62
Tall	50	PROG50-40N RH62†	40	36	40.4	36.4	83	62-1/2	59-1/4	21-1/2	14-1/2	3 or 4	8	52-1/2	3/4	165	0.62
Tall	50	PROG50-38N RH60†	38	36	38.4	36.4	93	61-1/4	58-3/8	20-1/2	14-1/4	3 or 4	8	51-3/8	3/4	150	0.60
Short	30	PROG30S-30N RH63	30	–	30.3	–	54	49-7/8	47	19-3/4	14-1/4	3 or 4	8	40-3/8	3/4	112	0.63
Short	40	PROG40S-40N RH62†	40	36	40.4	36.4	72	53-7/8	50-1/2	23	14-1/2	3	8	44	3/4	135	0.62
Short	40	PROG40S-34N RH62†	34	31	34.3	31.3	75	52-1/8	49-1/4	21	14-1/4	3 or 4	8	42-3/4	3/4	120	0.62
Short	40	PROG40S-38N RH62†	38	35	38.4	35.4	74	53-1/4	50-1/4	21-3/8	14-1/4	3 or 4	8	44	3/4	125	0.62
Short	50	PROG50S-40N RH61†	40	36	40.4	36.4	89	54-1/4	51-1/8	23-3/4	14-1/4	3 or 4	8	44	3/4	186	0.61

***Refer to Specification Sheet on Rheem.com for LP model numbers.**

Energy Factor based on D.O.E. (Department of Energy) test procedures.

†LEED Point = 1

Professional *Classic*™ Power Vent

Efficiency
- .67 EF
- ENERGY STAR® rated

Performance
- FHR: Up to 87 gallons for 50-gallon models and up to 73 gallons for 40-gallon models
- Recovery: 32.4 to 42.4 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Flexible Venting Options
- Long venting lengths up to 100 equivalent feet
- 2" or 3" PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Tall models certified for applications up to 7,700 ft. above sea level and short models up to 5,999 feet above sea level

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable Silicon Nitride Ignitor (HSI)
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								ENERGY INFO.
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	HT. TO TOP OF ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
			NAT.	LP	NAT.	LP	NAT.									
Tall	40	★ PROG40-40N RH67 PV	40	36	40.4	36.4	68	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67
Tall	50	★ PROG50-42N RH67 PV	42	42	42.4	42.4	87	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67
Short	40	★ PROG40S-36N RH67 PV	36	32	36.4	32.4	73	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67
Short	50	★ PROG50S-36N RH67 PV	36	32	36.4	32.4	87	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**

Maximum and Minimum Vent Lengths for 2" Vents

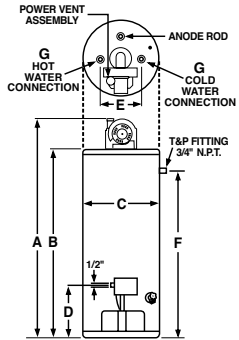
NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 7700' *
One (1)	None	4.0	44.0	24.0
One (1)	One (1)	4.0	41.0	21.0
Two (2)	None	4.0	38.0	18.0
Two (2)	One (1)	4.0	35.0	15.0
Three (3)	None	4.0	32.0	12.0

For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe.
One 45° elbow is approximately equal to 3 feet of pipe.
*2,000' – 6,000' for short models.

Maximum and Minimum Vent Lengths for 3" Vents

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 7700' *
One (1)	None	5.0	95.0	75.0
One (1)	One (1)	5.0	92.5	72.5
Two (2)	None	5.0	90.0	70.0
Two (2)	One (1)	5.0	87.5	67.5
Three (3)	None	5.0	85.0	65.0

For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe.
One 45° elbow is approximately equal to 2.5 feet of pipe.
*2,000' – 6,000' for short models.



Professional *Classic*™ Power Direct Vent

Efficiency
- .67 EF
- ENERGY STAR® rated

Performance
- FHR: Up to 93 gallons for natural and LP gas
- Recovery: 38.4 to 40.4 GPH at a 90° F rise, depending on model

Self-Diagnostic System
- Electronic gas control for improved monitoring and service

Low Emissions
- Eco-friendly burner, low NOx design

Features
- Two pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC powered blower
- New whisper quiet blower

Flammable Vapor Detection System
- Disables the heater in the presence of flammable vapors

Flexible Venting Options
- Long venting lengths up to 100 feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Models are certified for applications up to 10,200 feet above sea level

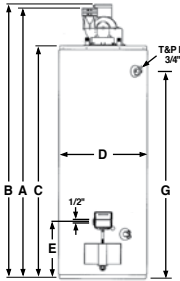
Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable silicon nitride igniter (HSI)
- EverKleen™ patented system fights sediment build-up
- Standard replacement parts

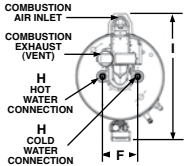
Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1





DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.	
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO TOP OF VENT A	HT. TO TOP OF AIR INLET B	TANK HT. C	DIAM. D	HT. TO GAS CONN. E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP. WT. (LBS)	ENERGY FACTOR	
			NAT.	LP	NAT.	LP	NAT.	LP											NAT.	LP
Tall	40	★ PROG40-40N RH67 PDV	40	38	40.4	38.4	73	73	68-1/2	69-1/4	60-1/4	19-3/4	14	8	53-3/4	3/4	29-1/2	180	0.67	0.67
Tall	50	★ PROG50-40N RH67 PDV	40	40	40.4	40.4	93	93	67-5/8	67-7/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	205	0.67	0.67

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**

Air-Inlet and Venting Information – See Next Page.

Professional *Classic*™ Power Direct Vent

Air-Inlet and Venting Information

FROM SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PROG40-40N RH67 PDV	2	7	30	90° Elbows	Concentric*
PROG40-40N RH67 PDV	3	7	60	90° Elbows	–
PROG40-40N RH67 PDV	3	7	50	–	Concentric*
PROG50-40N RH67 PDV	2	7	30	90° Elbows	Concentric*
PROG50-40N RH67 PDV	3	7	60	90° Elbows	–
PROG50-40N RH67 PDV	3	7	50	–	Concentric*

FROM 6,000 FT. ABOVE SEA LEVEL THROUGH 7,700 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PROG40-40N RH67 PDV	2	7	15	90° Elbows	–
PROG40-40N RH67 PDV	2	7	30	–	Concentric*
PROG40-40N RH67 PDV	3	7	60	90° Elbows	–
PROG40-40N RH67 PDV	3	7	50	–	Concentric*
PROG50-40N RH67 PDV	2	7	15	–	Concentric*
PROG50-40N RH67 PDV	3	7	60	90° Elbows	–
PROG50-40N RH67 PDV	3	7	50	–	Concentric*

Air-Inlet and Venting Information

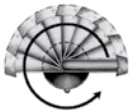
FROM 7,701 FT. ABOVE SEA LEVEL THROUGH 10,200 FT. ABOVE SEA LEVEL					
MODEL	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)	MIN. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	MAX. ALLOWED EQUIV. VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)	VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
PROG40-40N RH67 PDV	2	7	15	–	Concentric*
PROG40-40N RH67 PDV	3	7	60	90° Elbows	–
PROG40-40N RH67 PDV	3	7	50	–	Concentric*
PROG50-40N RH67 PDV	3	7	60	90° Elbows	–
PROG50-40N RH67 PDV	3	7	50	–	Concentric*

One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.
* Use only Rheem 3 inch concentric termination.

Professional *Classic*™ Direct Vent

Efficiency
- .60 - .62 EF
- Well insulated for reduced stand-by heat loss

Performance
- FHR: 80 gallons for 50-gallon model and 66 gallons for 40-gallon model
- Recovery: 30.3 to 36.4 GPH at a 90° F rise, depending on model

Technology

- Adjustable coaxial vent allows flexibility of installation, can swivel 360 degrees and uses outside air for combustion and requires no electrical power
- Aluminum vent and cap base to prevent staining of building exterior

Longer Venting
- Up to 4 feet above the water heater and 4 feet from an outside wall
- Order Horizontal Vent Kit: #SP20131
- Order Vertical Vent Kit: #SP20132

Altitude Certification
- All models certified up to 5,999 ft. above sea level

Low Emissions
- Meets 40 ng/J NOx requirements

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Exclusive Rheemglas® tank lining resists corrosion and prolongs tank life
- Heat saving flue baffle design
- Gas control and combination thermostat
- Piezo ignition
- High temperature silicone bands reduce venting installation time
- Internal air tube for reduced footprint
- EverKleen™ patented system fights sediment build-up

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

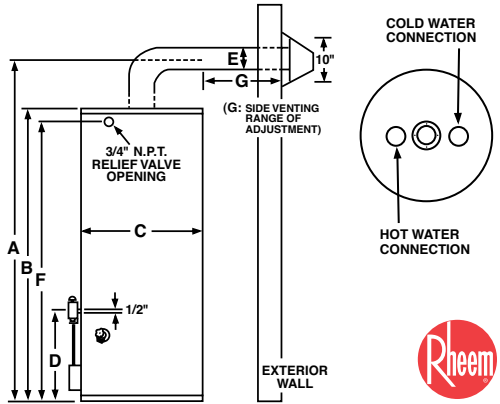
Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.	
TYPE	GAL. CAP.	NATURAL GAS MODEL NUMBER*	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	HT. TO SIDE T&P VALVE F	SHIP. WT. (LBS)	ENERGY FACTOR	
			NAT.	LP	NAT.	LP	NAT.	LP								NAT.	LP
Tall	40	PROG40-36N RH62 DV	36	30	36.4	30.3	66	66	68-1/4	60-7/8	19-3/4	14-1/4	6	51-5/8	155	0.62	0.62
Tall	50	PROG50-36N RH60 DV	36	33	36.4	33.3	80	80	68	59-5/8	21-3/4	14-1/4	6	52-1/2	165	0.60	0.60

***Refer to Specification Sheet on Rheem.com for LP model numbers.**
Energy Factor based on D.O.E. (Department of Energy) test procedures.

VENTING – ROUGHING IN DIMENSIONS (INCHES)			SIDE VENTING (G) WITH INCLUDED VENT KIT		SIDE VENTING (G) WITH OPTIONAL VENT KIT		OPTIONAL HEIGHT (A) WITH VENT KIT
TYPE	MODEL NUMBER	4 FEET VENTING AVAILABLE	MIN.	MAX.	MIN.	MAX.	
Tall	PROG40-38N RH62 DV	Horiz. & Vertical	9-1/8	19-1/8	9-1/8	48**	68-1/4 – 107-3/4†
Tall	PROG50-38N RH60 DV	Horiz. & Vertical	8-1/8	18-1/8	8-1/8	48**	68 – 107†

**Horizontal Vent Kit #SP20131 for applications up to 2,000 ft. above sea level. Optional horizontal venting not applicable for installations above 2,000 ft. Venting dimensions are approximate.
†Vertical Vent Kit #SP20132. Venting dimensions are approximate.



Professional *Classic*™ Ultra Low NOx

Efficiency
- .60 - .63 EF
- More hot water at a low operating cost

Performance
- FHR: 53 - 91 gallons for natural gas
- Recovery: 30.3 to 40.4 GPH at a 90° rise, depenting on model

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions
- Ultra Low NOx radiant burner design
- Stainless steel construction
- SCAQMD Rule 1121 compliant
- Meets 10 ng/J NOx requirements

Self-Cleaning
- EverKleen™ patented system fights sediment build-up
- Reduces fuel costs
- Provides more hot water

Easy to Light
- No matches required

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- All models certified up to 5,999 ft. above sea level
- 38-Gallon short model certified up to 8,400 ft. above sea level

Plus…
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Exclusive Rheemglas® lining

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

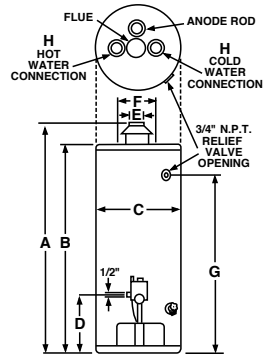
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
Tall	28	PROG28-30U RH63	30	30.3	53	58-7/8	56-1/8	16-1/2	17-1/2	3 or 4	8	50-1/8	3/4	114	0.63
Tall	38	PROG38-38U RH62	38	38.4	72	60-1/2	57-3/4	19	17-1/2	3 or 4	8	51-3/4	3/4	141	0.62
Tall	48	PROG48-40U RH60	40	40.4	91	60-5/8	57-7/8	20-1/2	17-1/2	3 or 4	8	51-3/4	3/4	163	0.60
Short	38	PROG38S-36U RH62	36	36.4	68	51-7/8	49-1/8	21	17-1/2	3 or 4	8	43	3/4	150	0.62

Energy Factor based on D.O.E. (Department of Energy) test procedures.



Professional *Classic*™ Power Vent Ultra Low NOx

Efficiency
- .67 EF
- ENERGY STAR® rated
- More hot water at a low operating cost

Performance
- FHR: 72 - 94 gallons for natural gas
- Recovery: 36.4 to 38.4 GPH at a 90° F rise, depending on model

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Low Emissions
- Ultra Low NOx radiant burner design
- Stainless steel construction
- SCAQMD Rule 1121 compliant
- Meets 10 ng/J NOx requirements

Self-Cleaning
- EverKleen™ patented system fights sediment build-up
- Reduces fuel costs
- Provides more hot water

Flexible Venting Options
- Long venting lengths up to 100 feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

Longer Life
- Premium grade anode rod provides long-lasting tank protection

High Altitude Compliant
- Certified to 5,999 ft. above sea level

Plus…
- Whisper quiet blower
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- Durable spark-to-pilot ignitor

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO TOP OF ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)	ENERGY FACTOR NAT.
Tall	40	★ PROG40-36U RH67 PV	36	36.4	72	69-3/4	60	21	17-3/8	8	54	3/4	170	0.67
Tall	50	★ PROG50-38U RH67 PV	38	38.4	94	69-1/2	59-3/4	23	17-3/8	8	53-3/4	3/4	200	0.67

Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**

Maximum and Minimum Vent Lengths for 2" Vents

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)
One (1)	None	3.0	44.0
One (1)	One (1)	3.0	41.0
Two (2)	None	3.0	38.0
Two (2)	One (1)	3.0	35.0
Three (3)	None	3.0	32.0

For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe.
One 45° elbow is approximately equal to 3 feet of pipe.

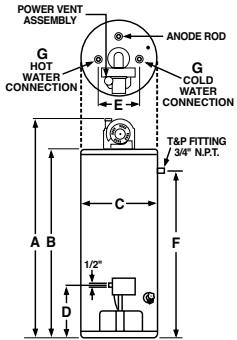
NOTICE: The mixing of 2" and 3" vent pipe is not recommended. If 3" pipe is used, a 2" to 3" reducer fitting is recommended at the rubber coupling.

This water heater is supplied with a 2" Schedule 40 PVC 45° vent terminal. When venting with 3" pipe, a Schedule 40 PVC 45° vent terminal must be used. Screens for both 2" and 3" vent terminals have been included.

Maximum and Minimum Vent Lengths for 3" Vents

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)
One (1)	None	3.0	95.0
One (1)	One (1)	3.0	92.5
Two (2)	None	3.0	90.0
Two (2)	One (1)	3.0	87.5
Three (3)	None	3.0	85.0
Three (3)	One (1)	3.0	82.5
Four (4)	None	3.0	80.0
Four (4)	One (1)	3.0	77.5
Five (5)	None	3.0	75.0

For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe.
One 45° elbow is approximately equal to 2.5 feet of pipe.



Professional *Classic*™ Atmospheric for Manufactured Housing

Efficiency
- .62 - .63 EF

Performance
- FHR: 59 gallons for 40-gallon model and 58 gallons for 29-gallon model
- Recovery: 30.3 to 34.3 GPH at a 90° F rise, depending on model

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Flexibility
- Field convertible controls and burner assembly for natural gas or LP operation included

Low Emissions
- Eco-friendly burner, low NOx design

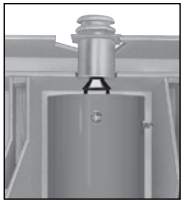
Altitude Certification
- Up to 8,400 ft. above sea level for the 40-gallon model
- Up to 5,999 ft. above sea level for the 29-gallon model
- High altitude models available for 29-gallon

Plus…
- Certified for manufactured (HUD) and modular construction
- Enhanced-flow brass drain valve
- Side inlet temperature and pressure relief valve opening
- Factory installed temperature and pressure relief valve – side location
- Low lead compliant
- Two hole top for anode rod and hot water outlet
- Exclusive Rheemglas® tank lining resists corrosion and prolongs tank life
- Piezo ignition – easy light pilot, no matches required
- Cold water inlet – side connection allows for quick, economical hook-up
- Optional leg kit for replacement units
- EverKleen™ patented system fights sediment build-up

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Draft Diverter
Improved design provides efficient heating with down-draft protection.

DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.		HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P VALVE G	SHIP. WT. (LBS)	ENERGY FACTOR
			NAT.	LP	NAT.	LP	NAT.	LP									
Tall	29	PROG30-32N RH63 MH	32	30	32.3	30.3	58	58	59-5/8	56-7/8	16-12	14-3/8	3 or 4	8	50-7/8	110	0.63
Tall	40	PROG40-34N RH62 MH	34	32	34.3	32.3	59	59	61-1/2	58-1/2	18-1/2	14-3/8	3 or 4	8	52-1/4	125	0.62

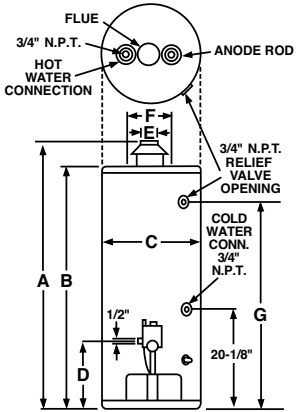
Energy Factor based on D.O.E. (Department of Energy) test procedures.

ROOF JACKS PART NO.	ROOF OPENING TO FLOOR DIM.	ROOF JACK ADJ. RANGE
AP12118B*	98" Min./126" Max.	16" Min./32"Max.
AP12118C*	112" Min./154" Max.	30" Min./60" Max.
AP12118D*	130" Min./189" Max.	48" Min./95" Max.
AP12119B†	94" Min./106" Max.	12"

*Adjustable length roof jacks

†Fixed length roof jacks

Roof jack must be ordered separately with 29 and 40-gallon atmospheric models and must be in accordance with instructions furnished with the heater. Clamps and secure strapping are packed in water heater carton.



Professional *Classic*™ Direct Vent for Manufactured Housing

Efficiency
- .62 - .63 EF

Performance
- FHR: 64 gallons for 40-gallon model and 49 gallons for 30-gallon model
- Recovery: 30.3 GPH at a 90° F rise

Flexibility
- Field convertible controls for natural gas or LP operation included
- No external door is required
- Provides maximum design freedom since it can be placed anywhere within the home
- Hot water outlet located at top
- Cold water inlet at side for fast, economical hook-up

Altitude Certification
- All models certified up to 5,999 ft. above sea level

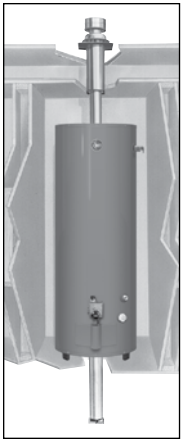
Longer Life
- Premium grade anode rod provides long-lasting tank protection

Plus…
- Certified for manufactured (HUD) and modular construction
- Piezo ignition – easy light pilot
- Enhanced-flow brass drain valve
- Factory installed temperature and pressure relief valve – side location
- Low lead compliant
- EverKleen™ patented system fights sediment build-up

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Adjustable Roof Jack Vent
Design allows adjustment to roof pitches of up to 5/12". Four roof jacks available to accommodate roof thickness of 12" up to 95".

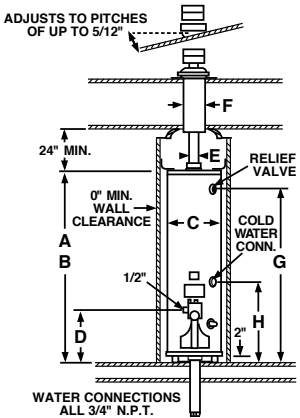
Direct Combustion Air Inlet
Air is drawn directly into combustion chamber through air inlet fixed to base; 1/2" screen for rodent protection.

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT./LP	RECOVERY IN G.P.H. 90° RISE NAT./LP	FIRST HOUR DEL. G.P.H. NAT./LP	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	ROOF JACK VENT SIZE F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP. WT. (LBS)	ENERGY FACTOR NAT./LP
Tall	30	PROG30-30N RH63 MH DV	30	30.3	49	56-5/8	56-5/8	17-3/4	14-1/8	3	5	51-1/8	20	110	0.63
Tall	40	PROG40-30N RH62 MH DV	30	30.3	64	57-3/8	57-3/8	19-3/4	14-1/8	3	5	51-1/8	20	125	0.62

Energy Factor based on D.O.E. (Department of Energy) test procedures.

ROOF JACKS	
12" Non-Adjustable & Air Inlet	AP12032E
15-32" Adjustable & Air Inlet	AP12032B
30-60" Adjustable & Air Inlet	AP12032C
48-95" Adjustable & Air Inlet	AP12032D
AIR INLET	
6" Non-Adjustable	AP12019B
11-22" Adjustable	AP12017B
EXTENSION PIPE KIT	
Roof Jack Extension Pipe Kit	AP12021

Roof jack and air inlet must be ordered separately with 30 and 40-gallon direct vent models and must be in accordance with instructions furnished with the heater. No other roof jack or air inlet assemblies are approved for installation with this heater. Clamps and secure strapping are packed in water heater carton.



Professional *Classic*™ Direct Vent Co-Axial for Manufactured Housing

Efficiency
- .60 - .62 EF

Performance
- FHR: 80 gallons for 50-gallon model and 65 gallons for 40-gallon model
- Recovery: 30.3 to 36.4 GPH at a 90° F rise, depending on model

Flexibility
- Field convertible controls and burner assembly for natural gas or LP operation included
- Roof jack flange adjustment range available up to 34° (8 - 12)
- New smaller foot print – no external air tube
- Can be installed anywhere in the home
- 3/4" hot and cold top connections
- Easily fits into a standard drain pan

Altitude Certification
- All models certified up to 7,700 ft. above sea level

Longer Life
- Premium grade anode rod provides long-lasting tank protection

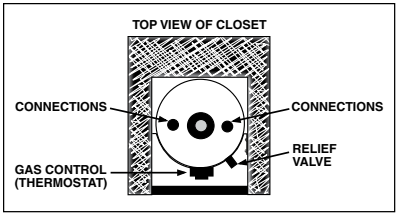
Self Cleaning
- EverKleen™ patented system fights sediment build-up

Plus…
- Certified for manufactured (HUD) and modular construction
- Enhanced-flow brass drain valve
- Factory installed temperature and pressure relief valve – side location
- Low lead compliant
- Piezo ignition – easy light pilot, no matches required

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



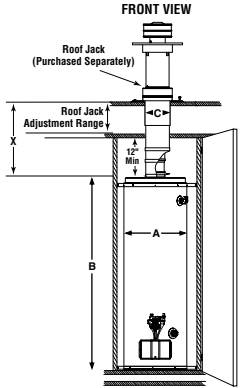
DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	DIAM. A	TANK HT. B	VENT SIZE C	WATER CONNECTION	SHIP. WT. (LBS)	ENERGY FACTOR NAT./LP
			NAT.	LP	NAT.	LP	NAT.						
Tall	40	PROG40-36N RH62 MH DVX	36	30	36.4	30.3	65	19-3/4	60-1/2	5	3/4	155	0.62
Tall	50	PROG50-36N RH60 MH DVX	36	32	36.4	32.3	80	21-3/4	59-5/8	5	3/4	165	0.60

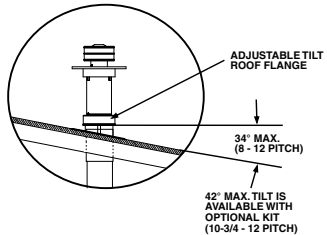
Energy Factor based on D.O.E. (Department of Energy) test procedures.

Co-Axial Roof Jack Sizing Table

34° MAX. (8 – 12 PITCH) ROOF JACK KIT PART NO.	ROOF JACK ADJUSTMENT RANGE (SEE X)
AP14363A	24 - 37"
AP14363B	33 - 68"
AP14363C	45 - 97"
AP14363D	60 - 130"
AP14363E	72 - 160"

NOTE: 42° Max. adjustment roof jacks available. Roof Jacks must be ordered separately with this direct vent water heater and installed in accordance with the instructions furnished with the heater. No other roof jack or vertical vent kit is approved for installation with this heater.





Prestige™ High Efficiency Condensing Tankless

Efficiency
- .92 - .94 EF with stainless steel condensing heat exchanger
- ENERGY STAR® rated
- Intelligent electronic controls designed to increase energy efficiency and safety
- Third party efficiency listed by AHRI

Performance
- Industry First! 0.26 GPM minimum flow rate, 0.40 GPM minimum activation flow rate
- SCAQMD rule 1146.2 compliant
- RTGH-95 for 3 bathroom homes*– 9.5 gal./min. at 35°F rise max., 8.4 gal./min. at 45°F rise
- RTGH-90 for 2-3 bathroom homes*– 9.0 gal./min. at 35°F rise max., 7.5 gal./min. at 45°F rise
- RTGH-84 for 2-3 bathroom homes*– 8.4 gal./min. at 35°F rise max., 6.6 gal./min. at 45°F rise

*Based on simultaneous showers using 2.5 gallons per minute. Flow rates vary depending on temperature of cold water supply.

Compact Size
- Compact space saving design – about the size of a medicine cabinet

Self-Diagnostic System
- Self-diagnostic system for easy installation and service
- Digital display shows temperature setting and maintenance codes

Technology
- Two-pipe direct vent system designed for PVC pipe (up to 38 ft. of 3" PVC Pipe or 5 ft. of 2" PVC Pipe). See instructions for details
- Hot start programming helps minimize fluctuation in water temperature, referred to as "cold water sandwich," during periods of frequent on/off operation
- Built-in electric blower
- Exclusive! Guardian overheat film wrap (OFW)
- EZ-Link cable available for higher demand applications to connect two tankless units to operate as one
- Manifold up to six units with an optional MIC-6 manifold control board
- Manifold up to 20 units with the optional MIC-185 plus the MICS-180 manifold control assembly

High Altitude Compliant
- High-altitude capability – up to 9,840 ft. elevation above sea level

Plus…
- Digital remote control and 10 ft. of thermostat wire included
- Supplied with a 120 volt power cord (indoor models only)
- Freeze protection to -30°F
- Low lead compliant
- Required manual gas isolation valve included
- EZ-Spec™ Sizing Software – advanced online tool that takes the guess work out of sizing tankless applications – available at www.rheem.com/tankless

Warranty
- 12-Year limited heat exchanger, 5-year limited parts warranty*
- 1-Year labor warranty*

*See Residential Warranty Certificate for complete information

LEED Points = 2

Indoor Direct Vent

Outdoor

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.	
MODEL NUMBER	GAS INPUT BTU/H	TYPE	TEMP. RANGE	MIN. FLOW/ ACTIVATION GPM	GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	MAX. GPM	CONNECTION		HEIGHT	WIDTH	DEPTH	VENT DIAM.	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	RECOVERY EFFICIENCY
								WATER	GAS							
★ RTGH-95DVLN	11,000-199,900	Indoor Direct Vent	85° to 140° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	2” or 3” PVC 2-Pipe	82	.94	94%
★ RTGH-95XLN	11,000-199,900	Outdoor	85° to 140° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.94	94%
★ RTGH-90DVLN	11,000-180,000	Indoor Direct Vent	85° to 140° F	0.26/0.40	4.4	7.5	9.0	3/4	3/4	27-1/2	18-1/2	9-3/4	2” or 3” PVC 2-Pipe	82	.93	93%
★ RTGH-90XLN	11,000-180,000	Outdoor	85° to 140° F	0.26/0.40	4.4	7.5	9.0	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.93	93%
★ RTGH-84DVLN	11,000-157,000	Indoor Direct Vent	85° to 140° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	2” or 3” PVC 2-Pipe	82	.92	92%
★ RTGH-84XLN	11,000-157,000	Outdoor	85° to 140° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.92	92%

Energy Factor based on D.O.E. (Department of Energy) test procedures.

★ **ENERGY STAR® compliant model.**

All models are available in Natural Gas and Propane (LP). For Propane replace N” with P” in model number. Example RTGH-95DVLP.

- SCAQMD 1146.2 compliant.
- Factory set maximum temperature is 120° F. See Use and Care Manual for setting.
- Consult factory for information on sizing the application.
- Add a C” to the model number when ordering Canadian models. Outdoor models are only for seasonal use in Canada. Please contact Rheem Canada Ltd. for details.

Vent Termination Kits are required for Direct Vent models. Contact your distributor for details.

Proper gas pressure must be ensured to supply tankless gas water heaters – up to 199,900 Btu/h for RTGH-95 models, up to 180,000 Btu/h for RTGH-90 models and up to 157,000 Btu/h for RTGH-84 models. (Consult your gas supplier)

- Approved for use with Centroitherm Polypropylene venting (U.S. and Canada).

Mid-Efficiency Tankless Ultra Low NOx

Efficiency
- .82 EF
- Intelligent electronic controls designed to increase energy efficiency and safety
- Third party efficiency listed by AHRI

Performance
- Industry First! 0.26 GPM minimum flow rate, 0.40 GPM minimum activation flow rate
- RTG-95 for 3 bathroom homes*– 9.5 gal./min. at 35°F rise max., 8.4 gal./min. at 45°F rise
- RTG-84 for 2-3 bathroom homes*– 8.4 gal./min. at 35°F rise max., 6.6 gal./min. at 45°F rise
- RTG-64 for 1-2 bathroom homes*– 6.4 gal./min. at 35°F rise max., 5.6 gal./min. at 45°F rise

*Based on simultaneous showers using 2.5 gallons per minute. Flow rates vary depending on temperature of cold water supply.

Self-Diagnostic System
- Self-diagnostic system for easy installation and service
- Digital display shows temperature setting and maintenance codes

Technology
- 3"/5" concentric vent system with Integrated condensate collector
- Hot start programming helps minimize fluctuation in water temperature, referred to as cold water sandwich", during periods of frequent on/off operation
- Connects to Metal Fab. Inc., 3"/5" concentric venting without an adapter
- Built-in electric blower
- Exclusive! Guardian overheat film wrap (OFW)
- EZ-Link cable available for higher demand applications to connect two tankless units to operate as one
- Manifold up to six units with an optional MIC-6 manifold control board
- Manifold up to 20 units with the optional MIC-185 plus the MICS-180 manifold control assembly

Low Emissions
- Environmentally friendly Ultra Low NOx burner meets SCAQMD rule 1146.2 requirements

High Altitude Compliant
- High-altitude capability – up to 9,840 ft. elevation above sea level

Plus…
- Digital remote control and 10 ft. of thermostat wire included
- Supplied with a 120 volt power cord (indoor models only)
- Freeze protection to -30°F
- Low lead compliant
- EZ-Spec™ Sizing Software – advanced online tool that takes the guess work out of sizing tankless applications – available at www.rheem.com/tankless

Warranty
- 12-Year limited heat exchanger, 5-year limited parts warranty*
- 1-Year labor warranty*

*See Residential Warranty Certificate for complete information

LEED Points = 2

Indoor Direct Vent

Outdoor

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.	
MODEL NUMBER	GAS INPUT BTU/H	TYPE	TEMP. RANGE	MIN. FLOW/ ACTIVATION GPM	GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	MAX. GPM	CONNECTION WATER	CONNECTION GAS	HEIGHT	WIDTH	DEPTH	VENT DIAM.	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	RECOVERY EFFICIENCY
RTG-95DVLN	11,000-199,900	Indoor Direct Vent	85° to 140° F	0.26/0.40	4.3	7.4	9.5	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 Concentric	54	.82	84%
RTG-95XLN	11,000-199,900	Outdoor	85° to 140° F	0.26/0.40	4.3	7.4	9.5	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%
RTG-84DVLN	11,000-180,000	Indoor Direct Vent	85° to 140° F	0.26/0.40	3.9	6.7	8.4	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 Concentric	54	.82	84%
RTG-84XLN	11,000-180,000	Outdoor	85° to 140° F	0.26/0.40	3.9	6.7	8.4	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%
RTG-64DVLN	11,000-150,000	Indoor Direct Vent	85° to 140° F	0.26/0.40	3.3	5.6	6.4	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 Concentric	54	.82	84%
RTG-64XLN	11,000-150,000	Outdoor	85° to 140° F	0.26/0.40	3.3	5.6	6.4	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%

Energy Factor based on D.O.E. (Department of Energy) test procedures.
All models are available in Natural Gas and Propane (LP). For Propane replace N" with P" in model number. Example RTG-95DVLP.

- SCAQMD 1146.2 compliant.
- Factory set maximum temperature is 120° F. See Use and Care Manual for setting.
- Consult factory for information on sizing the application.
- Add a C" to the model number when ordering Canadian models. Outdoor models are only for seasonal use in Canada. Please contact Rheem Canada Ltd. for details.

Vent Termination Kits are required for Direct Vent models. Contact your distributor for details.
Proper gas pressure must be ensured to supply tankless gas water heaters – up to 199,900 Btu/h for RTG-95 models, up to 180,000 Btu/h for RTG-84 models and up to 150,000 Btu/h for RTG-64 models. (Consult your gas supplier)

Professional *Prestige*™ Hybrid Heat Pump

Efficiency
- 2.45 EF reduces operating cost
- ENERGY STAR® rated

Performance
- 8700 Btu/h compressor: the most powerful in its class – more heat can be created by the heat pump and less by the costly electric elements. This translates into significant fuel saving in real life applications. For still more savings, the Rheem hybrid has a wider temperature operating range, which means the heat pump can be used to heat water more days throughout the year.
- Ambient operating range: 37-120° F is widest in class, offering more days of HP operation annually; designed to meet Northern Climate Spec (Tier 1)

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Easy Installation
- Easy access side connections
- Narrow 21" diameter, fits through access doors
- Easily replaces a standard electric water heater

Full-Color LCD Display
- Intuitive, back lit touch screen with diagnostics

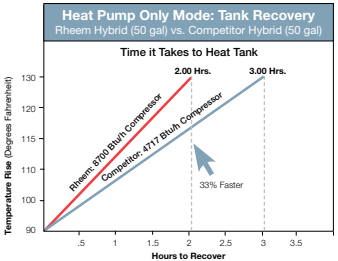
Operation Modes
- Energy Saver
- Heat Pump Only
- High Demand
- Electric Heat Only
- Vacation: 2-28 days (or placed on hold indefinitely)

Plus…
- Premium grade anode rod provides long-lasting tank protection
- 3/4" NPT water inlet, outlet and condensate drain connections
- Incoloy stainless steel resistor elements
- Dry-fire protection
- Easy access, top mounted washable air filter
- 2-1/2" Non-CFC foam insulation
- Improved flow brass drain valve
- Temperature and pressure relief valve
- Low lead compliant

Warranty
- 12-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



LEED Points = 3

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	COMPRESSOR BTU/H	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	HEIGHT A	DIAMETER B	UNIT WT. (LBS)	APPROX. SHIP WT. (LBS)	ENERGY SAVER
Tall	50	★ HB50RH	8700	57	21	75-1/2	21	180	226	2.45 EF

Energy Factor based on D.O.E. (Department of Energy) test procedures.
★ **ENERGY STAR® compliant model.**

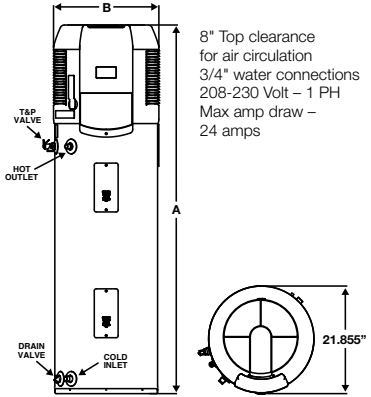
Full-Color LCD Display Screens

Start Up Screen

Press Standby" to start

Energy Saver Mode 1
Best energy efficiency for typical hot water demands

Home Screen
Factory set to default to the Energy Saver" mode screen



8" Top clearance
for air circulation
3/4" water connections
208-230 Volt – 1 PH
Max amp draw –
24 amps

Professional *Prestige*™

Efficiency
- .95 EF
- Isolated tank design reduces conductive heat loss
- Dual 5500 watt stainless steel heating elements

Performance
- FHR: 58 - 68 gallons based on gallon capacity
- Recovery rate is 25 gallons at a 90 degree rise

Super Sentinel Diagnostic System
- Simple easy to read diagnostics
- Controls multiple operating models
- Digital thermostat setting
- Leak protection with audible alarm

EcoNet™

- EcoNet™ enabled for integration with home automation, energy management and demand response systems

Features
- High performance and lower operating cost
- Compliant with many electric utility incentive programs
- Premium grade anode rod provides long-lasting tank protection
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations

Plus…
- EverKleen™ self cleaning device fights harmful sediment build-up with a high-velocity spiraling water stream – helps operating efficiency by saving energy, money and improving tank life
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant

Warranty
- 12-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

LEED Point = 1

DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
Tall	40	PROPE40 T2 RH95 EC2	58	25	60-3/4	63-5/8	18-1/4	105	0.95
Tall	50	PROPE50 T2 RH95 EC2	68	25	58-5/8	61-5/8	20-1/4	121	0.95

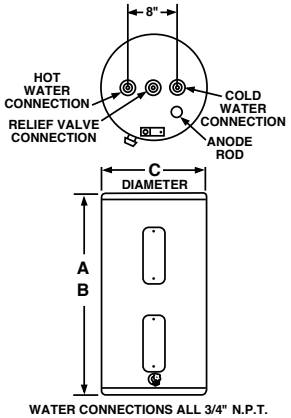
Energy Factor based on D.O.E. (Department of Energy) test procedures.

Super Sentinel not available on single element models, available on dual element models only. Super Sentinel not available in excess of 5 kW on 208 V models.

• Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 4500 watt upper and lower heating elements.

**Recovery = wattage/2.42 x temp. rise °F.
Example: $\frac{4500W}{2.42 \times 90°}$ = 21 GPH

**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.



Professional *Classic Plus*™

Efficiency
- .95 EF
- Isolated tank design reduces conductive heat loss
- Resistored stainless steel upper and lower heating elements to prolong anode rod and tank life

Performance
- FHR: 44 - 71 gallons, based on gallon capacity
- Recovery: 21 GPH at a 90° F rise

System Sentinel
- Exclusive diagnostic system with glowing LEDs that verify heating element operation. LEDs pin point the exact location of functioning or non-functioning heating elements

Super Sentinel Diagnostics System (Optional)
- Control multiple operating modes
- Digital thermostat setting
- Leak detection with audible alarm

Features
- High performance and lower operating cost
- Compliant with many electric utility incentive programs
- Premium grade anode rod provides long-lasting tank protection
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations
- Automatic thermostat keeps water at desired temperature

Plus…
- EverKleen™ self cleaning device fights harmful sediment build-up with a high-velocity spiraling water stream – helps operating efficiency by saving energy, money and improving tank life
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant

Warranty
- 8-Year limited tank and parts warranty*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

Ask about LEED Points

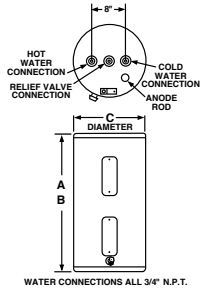
DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
Tall	30	PRO+E30 T2 RH95 EC1	48	21	47-1/2	50-3/8	19-1/4*	92	0.95
Tall	40	PRO+E40 T2 RH95 EC1	57	21	60-3/4	63-5/8	19-1/4	109	0.95
Tall	50	PRO+E50 T2 RH95 EC1	67	21	58-5/8	61-5/8	20-3/8	121	0.95
Tall	55	PRO+E55 T2 RH94 EC1	71	21	57	59-3/4	22-1/4	128	0.94
Med.	30	PRO+E30 M2 RH95 EC1	44	21	37-1/2	40-1/2	20-1/4	92	0.95
Med.	40	PRO+E40 M2 RH95 EC1	55	21	48-1/4	50-1/2	20-1/4	106	0.95
Med.	50	PRO+E50 M2 RH95 EC1	65	21	48	50-1/2	23	132	0.95

Super Sentinel optional. Add EC2 to the end of the model number to replace EC1. System Sentinel and Super Sentinel not available on single element models, available on dual element models only. System Sentinel and Super Sentinel not available in excess of 5 kW on 208 V models.
*When Super Sentinel is added to the 30-gallon tall model, the diameter changes to 18-1/4.

Energy Factor based on D.O.E. (Department of Energy) test procedures.
- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 4500 watt upper and lower heating elements.
- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.
- All models equipped with heat traps.

**Recovery = wattage/2.42 x temp. rise °F.
Example: $\frac{4500W}{2.42 \times 90°} = 21$ GPH

**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.



Professional *Classic*™

Efficiency
- .95 EF
- Isolated tank design reduces conductive heat loss
- Resistored copper upper element and resistored Lifeguard™ stainless steel lower element to prolong anode rod and tank life

Performance
- FHR: 42 - 71 gallons, based on gallon capacity
- Recovery rate is 21 gallons at a 90 degree Fahrenheit rise

System Sentinel
(Available on selected models)
- Exclusive diagnostic system with glowing LEDs that verify heating element operation. LEDs pin point the exact location of functioning or non-functioning heating elements

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Features
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations
- Automatic thermostat keeps water at desired temperature

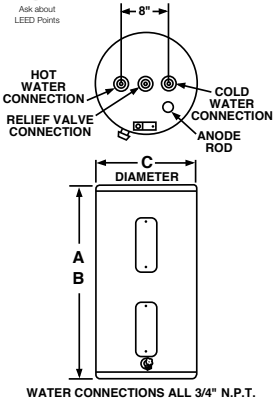
Plus…
- EverKleen™ self cleaning device fights harmful sediment build-up with a high-velocity spiraling water stream – helps operating efficiency by saving energy, money and improving tank life
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant

Warranty
- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-year

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

Ask about LEED Points



DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
Tall	30	PROE30 T2 RH95†	48	21	47-1/2	50-3/8	19-1/4	92	0.95
Tall	40	PROE40 T2 RH95†	57	21	60-3/4	63-5/8	19-1/4	109	0.95
Tall	50	PROE50 T2 RH95†	67	21	58-5/8	61-5/8	20-1/4	121	0.95
Tall	55	PROE55 T2 RH94†	71	21	57	59-3/4	22-1/4	128	0.94
Med.	30	PROE30 M2 RH95†	44	21	37-1/2	40-1/2	20-1/4	92	0.95
Med.	40	PROE40 M2 RH95†	55	21	48-1/4	50-1/2	20-1/4	106	0.95
Med.	50	PROE50 M2 RH95†	65	21	48	50-1/2	23	132	0.95
Short	19.9	PROE20 S2 RH	–	21	31-1/2	31-1/2	17	62	–
Short	28	PROE28 S2 RH95	42	21	30	31-1/8	23	95	0.95
Short	30	PROE30 S2 RH95 B**	42	21	30-1/8	32	19-3/4	95	0.95
Short	36	PROE36 S2 RH95	45	21	31-1/2	33	24-1/4	118	0.95
Short	38	PROE38 S2 RH95 B**	45	21	31-1/2	32-5/8	23	108	0.95

Energy Factor based on D.O.E. (Department of Energy) test procedures.

† **System Sentinel optional. Add EC1 to the end of the model number. System Sentinel not available on single element models, available on dual element models only. System Sentinel not available in excess of 5 kW on 208 V models.**

** Water heater dimensions prior to installing insulation blanket that is included with water heater

- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 4500 watt upper and lower heating elements.
- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Single element models available on special order (6000W max.). Substitute "1" for "2" in model number.
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.
- All models equipped with heat traps.

Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.

Recovery = wattage/2.42 x temp. rise °F.

Example: $\frac{4500W}{2.42 \times 90^\circ} = 21$ GPH

Professional *Classic*™ Point-of-Use

Efficiency
- .95 EF for 30-gallon model
- Over-temperature protector cuts off power in excess temperature situations

Features
- High efficiency single resistored stainless steel heating element

- Automatic thermostat keeps water at desired temperature
- Wall bracket for easy wall mount installations and corrosion resistant 1/4 turn drain valve included with 2.5 gallon model

Plus…
- Temperature and pressure relief valve
- Exclusive Rheemglas® tank lining resists corrosion and prolongs tank life
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements
- These units are U.L. listed and comply with Underwriter's Laboratories Specifications 174
- Enhanced-flow brass drain valve on 2.5-gallon model
- Low lead compliant

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

2.5-Gallon

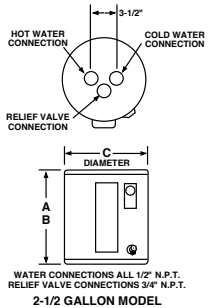
6, 10, 15, 19.9 and 30-Gallon

DESCRIPTION		FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
GAL. CAP.	MODEL NUMBER	HEIGHT A	HT. TO HOT WATER OUTLET B	DIAMETER C	HT. TO SIDE T&P VALVE D	HT. TO COLD WATER INLET E	APPROX. SHIP WT. (LBS.)	ENERGY FACTOR
2.5	PROE2 1 RH POU	14	14	9-3/4	–	–	22	N/A
6	PROE6 1 RH POU	15-1/4	12-1/2	15-3/4	11-1/2	4-1/4	36	N/A
10	PROE10 1 RH POU	23	20-1/2	15-3/4	19-1/2	4-1/4	46	N/A
15	PROE15 1 RH POU	24-1/4	22	17-3/4	21	4-1/2	54	N/A
19.9	PROE20 1 RH POU	25-1/4	22-3/4	19-3/4	21-3/4	5	69	N/A
30	PROE30 1 RH95 POU*	31-7/8	23-1/8	22-1/4	23	3	91	0.95

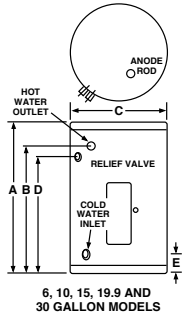
Energy Factor based on D.O.E. (Department of Energy) test procedures.
*For double element, substitute 2" suffix for 1". Not available in 120 volt. Available with 2-wire (single phase) outlet only. (6000 watt max.).

- **2.5 gallon model:** 1⁄2" N.P.T. inlet and outlet. Relief valve connection 3⁄4".
  Available with 120 or 240 volt AC single phase only, 120v (1440w) 240v (1500w)
  Power cord supplied with 120 volt models only.
- **6 through 30 gallon models:** 3⁄4" N.P.T. outlet, inlet, anode rod. T & P valve connections. Not available with 3 phase wiring.
  Water heaters furnished standard with 120 volt AC, 2000 watt single element.
  Special wiring options – a limited number of wiring options are available. Consult factory for price and availability.

CONSTRUCTION DETAILS: The cold water enters the tank a few inches from the bottom. Both hot and cold water lines may be connected directly to the water heater without special nipples or tees. The relief valve simply screws into the opening provided.



2-1/2 GALLON MODEL



6, 10, 15, 19.9 AND 30 GALLON MODELS

Professional *Classic*™ for Manufactured Housing

Efficiency
- .95 EF
- Isolated tank design reduces conductive heat loss
- Resistored Lifeguard™ stainless steel upper heating element

Performance
- FHR: Up to 54 gallons, based on model
- Recovery rate is 17 gallons for 3500 watts and 21 gallons for 4500 watts at a 90° F rise**

Longer Life
- Premium grade anode rod provides long-lasting tank protection

Features
- High performance and lower operating cost
- Compliant with H.U.D., ASHRAE 90A-80 and NAECA requirements
- Single and double element models available. High efficiency resistored heating element in single element models. Lifeguard™ stainless steel element is the upper element in double element models
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations
- Automatic thermostat keeps water at desired temperature

Plus…
- Certified for manufactured (HUD) and modular construction
- Rheemglas® tank lining resists corrosion and prolongs tank life
- EverKleen™ self cleaning device fights harmful sediment build-up with a high-velocity spiraling water stream – helps operating efficiency by saving energy, money and improving tank life
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.		RECOVERY IN G.P.H. 90° F RISE		TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
			3500 WATTS	4500 WATTS	3500 WATTS	4500 WATTS					
Tall	19.9	PROE20 1 RH MH	–	–	–	–	31-1/2	25-1/2	17-3/4	62	N/A
Tall	30	PROE30 1 RH95 MH†	25	46	17	21	47-3/4	39-1/2	19	92	0.95
Tall	30	PROE30 2 RH95 MH†	25	46	17	21	47-3/4	39-1/2	19	92	0.95
Tall	40	PROE40 1 RH95 MH†	30	50	17	21	48-1/2	40-1/8	21-1/8	106	0.95
Tall	40	PROE40 2 RH95 MH†	30	50	17	21	48-1/2	40-1/8	21-1/8	106	0.95
Tall	50	PROE50 1 RH95 MH	41	54	17	21	59	50-5/8	21-1/8	124	0.95
Tall	50	PROE50 2 RH95 MH	41	54	17	21	59	50-5/8	19-3/4	124	0.95

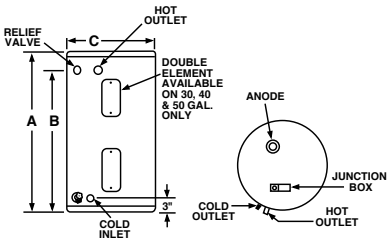
Energy Factor based on D.O.E. (Department of Energy) test procedures.

- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 3500 watt or 4500 watt heating elements. PROE20 1 RH MH furnished with standard 120 volt AC, single phase, 2000 watt heating element.
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.

**Recovery = wattage/2.42 x temp. rise °F.
Example: $\frac{4500W}{2.42 \times 90°}$ = 21 GPH

**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.

†LEED Point = 1



WATER CONNECTIONS ALL 3/4" N.P.T.

Table Top

Table Top Features
- Baked enamel counter top is acid and heat resistant
- Four inch high backsplash protects interior wall from spills and stains
- Recessed base provides comfortable standing area while working
- Channel at rear accommodates piping and permits water heater to fit snugly against back wall
- More hot water at a low operating cost

Efficiency
- .88 EF
- Well insulated for reduced standby heat loss

Performance
- FHR: 45-gallons
- Recovery rate: 21 gallons GPH at a 90 degree rise

Capacity & Dimensions
- 40 Gallon model: 24 inch diameter: 25 inch depth and 36 inches high

Easy Installation & Service
- Table top surface is easily removed for access to cold and hot water outlets at top of tank, electrical connections and anode rod replacement

Longer Life
- Patented magnesium anode rod with resistor protects the tank from rust

Plus…
- Durable direct immersion resistored heating element
- Full-flow, brass drain valve
- Temperature and pressure relief valve
- Low lead compliant
- Standard replacement parts

Warranty
- 6-Year limited tank and parts warranty*

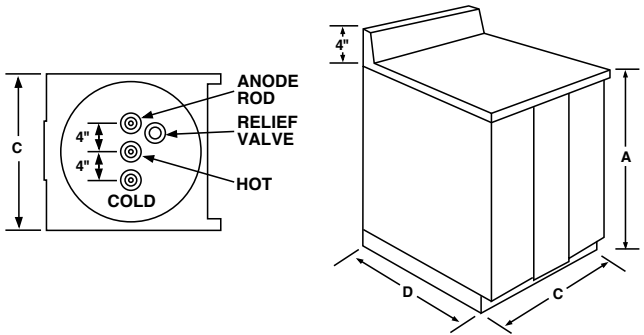
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION		FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					ENERGY INFO.
GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	DEPTH D	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
40	88H-40D	45	21	36	33	24	25	156	0.88

Energy Factor based on D.O.E. (Department of Energy) test procedures.

- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 4500 watt upper and lower heating elements.
- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.



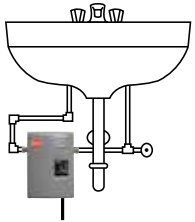
Tankless Electric

Features
- Continuous hot water on demand
- Industry leading low-flow activation
- External temperature control
- LEDs indicate active element and standby mode
- 1/2-Inch water connections
- Rugged brass/copper heat exchanger
- Pre-wired 2-foot power supply cord(s) included
- Low lead compliant

Efficiency
- Modulating heat exchanger improves energy efficiency
- No standby heat loss aids in energy consumption
- No venting needed - eliminates greenhouse gases

Easy Installation
- Complete install without removing the cover
- Easy water connections using 1/2-inch compression fittings
- Lightweight

Space Savings
- No T&P valve required
- Compact size - fits almost anywhere



Applications
- Homes
- Apartments
- Condos
- Hospitals
- Rest rooms
- Restaurants
- Offices
- Laboratories
- Anywhere hot water is needed

Warranty
- 10-Year limited heat exchanger and 1-year limited parts warranty.*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

RTE 3 and RTE 7
- Ideal for fast, continuous hot water at a single point-of-use faucet or other fixture
- RTE 3 (3kW/120V) requires a dedicated 30 AMP breaker
- RTE 7 (7kW/240V) requires a dedicated 30 AMP breaker

RTE 9 and RTE 13
- Ideal for fast, continuous hot water at a lavatory or sink
- RTE 9 (9kW/240V) requires a dedicated 40 AMP breaker
- RTE 13 (13kW/240V) requires a dedicated 60 AMP breaker

RTE 18 and RTE 27
- Designed for fast, continuous hot water in a bathroom addition/renovation or single shower
- RTE 18 (18kW/240V) requires two dedicated 40 AMP breakers
- RTE 27 (27kW/240V) requires two dedicated 60 AMP breakers

All come with an on-unit temperature control with LED lights

RTE 3
RTE 7

RTE 9
RTE 13

RTE 18
RTE 27

APPLICATION	FLOW RATE IN GPM AT 60 PSI
Typical Shower	2.0 GPM
Typical Bath Tub Faucet	2.5 GPM
Bathroom Vanity Sink Faucet	1.0 GPM
Kitchen Sink Faucet	1.5 GPM
Washer	2.0 GPM

TEMPERATURE RISE AND GPM FLOW

MODEL NUMBER	MINIMUM ACTIVATION FLOW RATE (GPM)	MAX. FLOW RATE (GPM)	TEMPERATURE RISE CHART (F°) AND FLOW RATES BY MODEL								
			20°	30°	40°	50°	60°	70°	80°	90°	100°
RTE 3	0.4	1.5	1.09	0.73	0.55	0.44	–	–	–	–	–
RTE 7	0.4	2.5	2.50	1.59	1.20	0.96	0.80	0.68	0.60	0.53	0.48
RTE 9	0.4	3	3.00	2.05	1.54	1.23	1.02	0.88	0.77	0.68	0.61
RTE 13	0.4	4	4.00	2.96	2.22	1.78	1.48	1.27	1.11	0.99	0.89
RTE 18	0.4	5	5.00	4.10	3.07	2.46	2.05	1.76	1.54	1.37	1.23
RTE 27	0.4	5	5.00	5.00	4.61	3.69	3.07	2.63	2.31	2.05	1.84

ELECTRICAL SPECIFICATIONS

MODEL	KW	VOLTS	RECOMMENDED BREAKER SIZE	MAX POWER (AMP)	AWG WIRE
RTE 3	3	120	30	29	10
RTE 7	7	240	30	29	10
RTE 9	9	240	40	38	8
RTE 13	13	240	60	54	6
RTE 18	18	240	(2) 40	75	(2) 8
RTE 27	27	240	(2) 60	112	(2) 6

DIMENSIONS (INCHES/POUNDS)

MODEL/SKU	HEIGHT	WIDTH	DEPTH	WEIGHT
RTE 3 / 444250	10-1/4	5-3/8	3-1/4	6
RTE 7 / 452526	10-1/4	5-3/8	3-1/4	6
RTE 9 / 452604	10	7-1/4	3-1/4	8
RTE 13 / 452637	10	7-1/4	3-1/4	8
RTE 18 / 452888	10-1/2	11-1/4	3-1/4	12
RTE 27 / 452893	10-1/2	11-1/4	3-1/4	12

• Plumbing connections: 1/2 NPT • Minimum flow rate: 1/2 gal. min

SolPak™ Active System with Electric Backup

System
- Closed loop system – glycol design
- Single and double collector systems
- System includes – Solaraide HE tank, collectors and pump station

Heat Exchanger Tank
- 65, 80 and 120-Gallon capacities
- 4500 Watts
- Provides at least 40 gallons of stored hot water
- Double wall, high efficiency solar heat exchanger includes copper tubing wrapped around the tank and secured within the jacket for positive leak protection
- Collector feed and return fittings conveniently located on front of tank for easy installation
- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Rheemglas® tank lining resists corrosion and prolongs tank life
- T&P Valve included
- Low lead compliant
- Automatic temperature control and over heat protection

Collector
- OG-100 certified by SRCC
- Available in three sizes
- Durable low iron tempered glass – improves efficiency and heat transfer
- Integral mounting channel for easy installation
- Stainless steel fasteners
- Type-M copper riser tubes
- Black paint absorber coating

Pump Station
- Pre-engineered assembly of quality components in a neat, compact insulated enclosure
- Simple, labor saving, attractive solution for closed loop glycol solar systems
- Includes cast iron three speed pump, advanced differential controller and balancing valve and flow meter

System Certifications
- OG-300 certification by SRCC

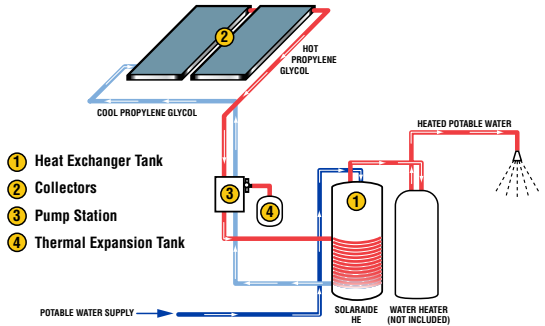
Warranty
- 6-Year limited tank, 10-year limited collector and 6-year limited pump station warranty.*

*See Residential and SolPak Warranty Certificate for complete information

SYSTEM INFORMATION			COLLECTOR INFORMATION											WATER HEATER INFO.			
STORAGE CAPACITY (US GAL)	SYSTEM MODEL NUMBER	SOLAR ENERGY FACTOR*	NUMBER OF COLLECTOR PANELS	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	AREA DEPTH (INCHES)	DRY SQ. FT. (GROSS)	FLUID WEIGHT (LBS)	DESIGN CAPACITY (US GAL)	MAX FLOW RATE (GPM)	MAX. FLOW RATE (GPM)	OPERATING PRESSURE	HEIGHT (INCHES)	APPROX. DIAMETER (INCHES)	WEIGHT (LBS)	ELEMENT WATTAGE
65	RS65-24BP	1.4	1	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	160	59	21	170	4500 W
65	RS65-32BP	1.7	1	Black Paint	48-1/8	98-1/4	3-1/4	32.19	106	1.0	0.83	12	160	59	21	170	4500 W
65	RS65-40BP	1.9	1	Black Paint	48-1/8	122-1/4	3-1/4	40.81	191	1.2	1.04	12	160	59	21	170	4500 W
80	RS80-40BP	2.4	1	Black Paint	48-1/8	122-1/4	3-1/4	40.81	141	1.2	1.04	12	160	58-3/4	24-1/2	222	4500 W
80	RS80-48BP	2.6	2	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	160	58-3/4	24-1/2	222	4500 W
120	RS120-64BP	3.2	2	Black Paint	48-1/8	98-1/4	3-1/4	32.79	106	1.0	0.83	12	160	62	28-1/4	380	4500 W

* As rated by the Solar Rating & Certification Corporation (SRCC)

Get a Federal Tax Credit up to 30% of the cost of equipment and installation with a Solar Water Heater.
Applies to existing or new residential construction. Tax credit available through Dec. 2016.
See your Tax Advisor for details.



SolPak™ Active System with Gas Backup

System
- Closed loop system – glycol design
- Fast recovery for high demand situations
- Perfect replacement for current gas water heating system
- System includes – Solaraide™ HE gas storage tank, collectors and pump station

Heat Exchanger Tank
- 75-Gallon capacity
- 75.1 Btu/h – natural gas
- Double wall, high efficiency solar heat exchanger
- Low NOx burner design
- Gas backup heating source
- Rheemglas® tank lining resists corrosion and prolongs tank life
- T&P Valve included
- Low lead compliant
- Automatic temperature control and over heat protection

Collector
- OG-100 certified by SRCC
- Available in two sizes
- Durable low iron tempered glass – improves efficiency and heat transfer
- Integral mounting channel for easy installation
- Stainless steel fasteners
- Type-M copper riser tubes
- Black paint absorber coating

System Certifications
- OG-300 certification by SRCC

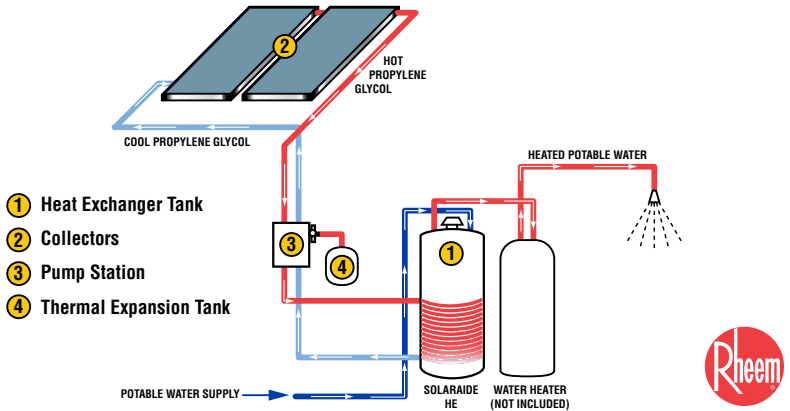
Pump Station
- Pre-engineered assembly of quality components in a neat, compact insulated enclosure
- Simple, labor saving, attractive solution for closed loop glycol solar systems
- Includes cast iron three speed pump, advanced differential controller and balancing valve and flow meter

Warranty
- 6-Year limited tank, 10-year limited collector and 6-year limited pump station warranty.*

*See Residential and SolPak Warranty Certificate for complete information

SYSTEM INFORMATION			COLLECTOR INFORMATION											WATER HEATER INFO.			
STORAGE CAPACITY (US GAL)	SYSTEM MODEL NUMBER	SOLAR ENERGY FACTOR	NUMBER OF COLLECTOR PANELS	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	DEPTH (INCHES)	AREA SQ. FT. (GROSS)	DRY WEIGHT (LBS)	FLUID CAPACITY (US GAL)	DESIGN FLOW RATE (GPM)	MAX FLOW RATE (GPM)	MAX. OPERATING PRESSURE	HEIGHT (INCHES)	DIAMETER (INCHES)	APPROX. WEIGHT (LBS)	BTU/H INPUT
75	RSG75-48BP	–	2	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	150	60	26-1/4	340	75.1
75	RSG75-40BP	–	1	Black Paint	48-1/8	122-1/4	3-1/4	40.81	141	1.20	1.04	12	160	60	26-1/4	340	75.1

Get a Federal Tax Credit up to 30% of the cost of equipment and installation with a Solar Water Heater. Applies to existing or new residential construction. Tax credit available through Dec. 2016. See your Tax Advisor for details.



Solar Collectors

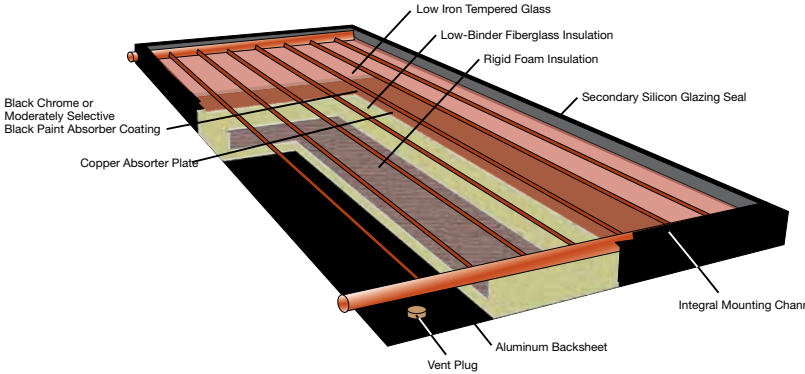
Features

- OG-100 certified by SRCC
- Durable low iron tempered glass – improves efficiency and heat transfer
- Integral mounting channel for easy installation
- Stainless steel fasteners
- Suitable for open and closed loop systems
- Type-M copper riser tubes
- Copper absorber plate – allows collector to be used in glycol forced circulation, drain-back, or open loop systems
- Can be mounted horizontally or vertically
- BP and BC Series – available in three sizes

Warranty

- 10-Year limited collector warranty*

*See Residential Warranty Certificate for complete information



MODEL NUMBER	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	DEPTH (INCHES)	AREA SQ. FT.	DRY WEIGHT (LBS.)	FLUID CAPACITY	DESIGN FLOW RATE (GPM)	MAX FLOW RATE (GPM)	MAX OPERATING PRESSURE
RS24-BP	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	0.78	0.62	12	160
RS32-BP	Black Paint	48-1/8	98-1/4	3-1/4	32.79	106	1	0.83	12	160
RS40-BP	Black Paint	48-1/8	122-1/4	3-1/4	40.81	141	1.2	1.04	12	160

THERMAL PERFORMANCE RATINGS* BP SERIES (BTU / FT² / DAY)

CATEGORY (TI-TA) TI = INLET FLUID TEMP. TA = AMBIENT AIR TEMP.	CLEAR DAY 2000 BTU / FT² / DAY	MILDLY CLOUDY DAY 1500 BTU / FT² / DAY	CLOUDY DAY 1000 BTU / FT² / DAY
A (-9°F)	1,284	971	659
B (9°F)	1,169	854	542
C (36°F)	984	677	372
D (90°F)	619	343	89
E (144°F)	280	62	–

THERMAL PERFORMANCE RATINGS* BC SERIES (BTU / FT² / DAY)

CATEGORY (TI-TA) TI = INLET FLUID TEMP. TA = AMBIENT AIR TEMP.	CLEAR DAY 2000 BTU / FT² / DAY	MILDLY CLOUDY DAY 1500 BTU / FT² / DAY	CLOUDY DAY 1000 BTU / FT² / DAY
A (-9°F)	1332	1,005	680
B (9°F)	1,218	890	565
C (36°F)	1,040	720	402
D (90°F)	699	405	127
E (144°F)	390	137	–

Thermal performance is obtained by multiplying the collector output for the appropriate application and insulation level by the total gross collector area.
*Collector ratings are derived from the Solar Rating & Certification Corp (SRCC) Document RM-1 and Standard OG-100

Solaraide™ HE Tanks

Features & Benefits

- Double wall heat exchanger includes copper tubing wrapped around the tank and secured within the jacket for positive leak protection
- Two well insulated models to choose from… a storage tank or a high efficiency 4500 Watt backup electric water heater
- Electric backup model provides at least 40-gallons of stored hot water

Easy Installation and Maintenance

- Collector feed and return fittings conveniently located on front of tank for easy installation
- A special 1/2" NPT opening is provided for installation of a probe type" thermostat
- Durable brass drain valve for easy maintenance

Tank Design & Construction

- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Rheemglas® tank lining resists corrosion and prolongs tank life
- Anode rod equalizes aggressive action for prolonged tank life
- Temperature and pressure relief valve included
- Electric backup model has automatic temperature control and over heat protection
- Low lead compliant

Warranty

- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

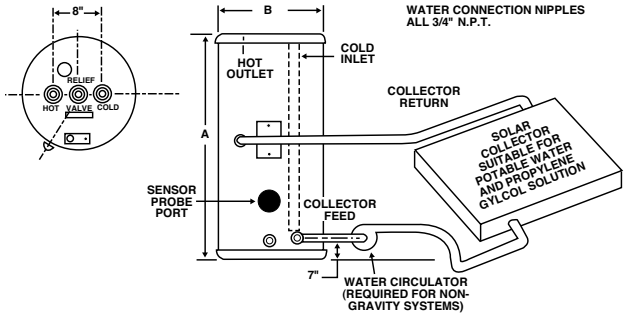
Copper Heat Exchanger Coil Type L Copper 5/8" I.D.

SOLARAIDE HE TANK CAPACITY	COIL CAPACITY GALLONS	LENGTH OF TUBING AROUND TANK (FT)
65 Gallons	2.2	120
80 Gallons	2.2	120
120 Gallons	2.6	143

PRESSURE DROP THROUGH COIL (FEET OF H_2O)		
	HEAD LOSS (FEET)	
FLOW RATE	65 & 80-GALLON	120-GALLON
1 GPM	1.3	1.6
2 GPM	4.8	5.7
3 GPM	10.0	12.0

DESCRIPTION				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE UPPER	HEIGHT A	DIAMETER B	APPROX SHIP WT. (LBS)	APPROX. R-FACTOR
Tall	65	82V65HE	4500 W*	59	21	170	R-17.3
Tall	80	81V80HE-1	4500 W*	58-3/4	24-1/2	222	R-17.3
Tall	80	81V80HE-T	Storage only	58-3/4	24-1/2	222	R-17.3
Tall	120	82V120HE-1	4500 W*	62	28-1/4	380	R-17.3
Tall	120	82V120HE-T	Storage only	62	28-1/4	380	R-17.3

*Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring and 4500 watt heating element. If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.
To prevent corrosion, proper pH levels in transfer fluid must be maintained.
Solaraide models meet all current state requirements for solar storage tanks.
The tanks are Rheemglas lined and are designed to operate up to 150 PSI.



Solaraide™ HE with Gas Assist

Features & Benefits
- Double wall, high efficiency solar heat exchanger
- Fast recovery, 75-gallon capacity for high demand applications
- For use in residential closed loop solar water heating systems

Easy Installation and Maintenance
- Front solar connections for easy installation
- Durable brass drain valve for easy maintenance

Tank Design & Construction
- Low NOx burner design
- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Rheemglas® tank lining resists corrosion and prolongs tank life
- Anode rod equalizes aggressive action for prolonged tank life
- Temperature and pressure relief valve included
- Automatic temperature control and over heat protection
- Low lead compliant

Guardian System™ & Sensor
- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

Warranty
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

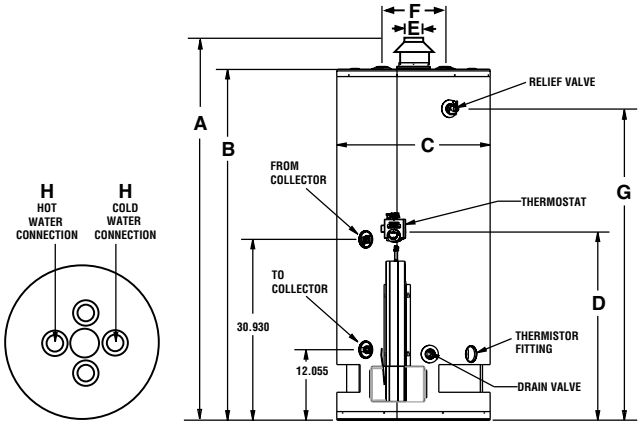
Copper Heat Exchanger Coil
Type L Copper 5/8" I.D.
Maximum pressure = 150 PSI

SOLARAIDE HE TANK CAPACITY	COIL CAPACITY GALLONS	LENGTH OF TUBING AROUND TANK (FT)
75 Gallons	2.2	120

PRESSURE DROP THROUGH COIL (FEET OF H_2O)		
FLOW RATE	HEAD LOSS (FEET)	
	75-GALLON	
1 GPM	1.3	
2 GPM	4.8	
3 GPM	10.0	

DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									
TYPE	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H NAT.	RECOVERY IN G.P.H. 90° RISE	FIRST HOUR DELIVERY G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P G	WATER CONN. H	HT. TO HEAT EXCHANGER INLET	HT. TO HEAT EXCHANGER OUTLET	SHIP. WT. (LBS)
Tall	75	RSG75	75.1	75.8	75.8	64	60	26-1/4	32	4	11	53-1/4	1	31	12	340

To prevent corrosion, proper pH levels in transfer fluid must be maintained. Solaraide models meet all current state requirements for solar storage tanks.



Solaraide™ Storage Tanks

Features & Benefits

- Connection ports on the top, right and left side fit more installations and reduce SKUs
- Two well insulated models to choose from… a storage tank or a high efficiency 4500 Watt backup electric water heater
- Electric backup model provides at least 40-gallons of stored hot water

Easy Installation and Maintenance

- Collector feed and return fittings conveniently located on front of tank for easy installation
- A special 1/2" NPT opening is provided for installation of a probe type" thermostat
- Durable brass drain valve for easy maintenance

Tank Design & Construction

- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Uses the potable water within the tank for circulation through the solar system
- Rheemglas® tank lining resists corrosion and prolongs tank life
- Anode rod equalizes aggressive action for prolonged tank life
- Temperature and pressure relief valve included
- Electric backup model has automatic temperature control and over heat protection
- Low lead compliant

Warranty

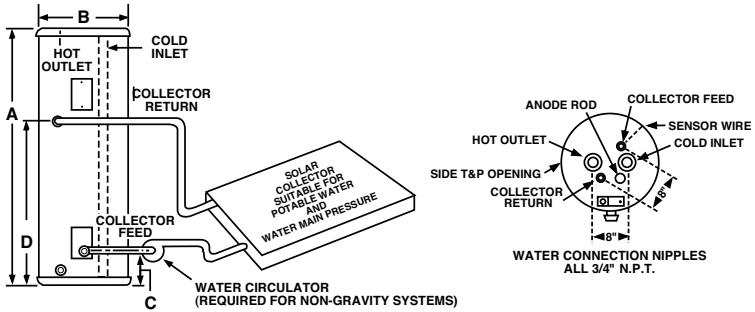
- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE UPPER	HEIGHT A	DIAMETER B	HEIGHT TO CONNECTOR FEED C	HEIGHT TO COLLECTOR RETURN D	APPROX SHIP WT. (LBS)	APPROX. R-FACTOR
Tall	80	81VR80U-1	4500 W*	58-3/4	24-1/2	3	38-1/4	192	R-17.3
Tall	80	81VR80U-T	Storage Only	58-3/4	24-1/2	3	38-1/4	192	R-17.3
Tall	120	81VR120U-1	4500 W*	62	28-1/4	3-3/4	38-1/2	336	R-16.7
Tall	120	81VR120U-T	Storage Only	62	28-1/4	3-3/4	38-1/2	336	R-16.7

*Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring and 4500 watt heating element.
If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.
Solaraide models meet all current requirements for solar storage tanks.
The tanks are Rheemglas lined and are designed to operate up to 150 PSI.



Marathon® Thermal Storage Tank

Designed for Alternative Energy Applications
- Specifically designed for installation as a thermal storage tank
- Backup electrical element provides 40 gallons or more of heated water
- Large water connections for lower pressure drop

Built to Last!
- Seamless, blow-molded, polybutene tank – impervious to rust and corrosion
- Titanium sheath elements for superior resistance to lime build-up
- Multiple layers of filament wound fiberglass give the tank unmatched strength
- Tough molded polyethylene outer shell resists dents and scratches

Designed for Easy installation
- Lightweight
- Water port fittings located at front of storage tank for convenient access
- Full port, full flow brass drain valve for fast draining
- Factory installed temperature and pressure relief valve and vacuum relief valve

Plus…
- Thermally fused element provides protection against dry-firing”
- Bowl shaped bottom allows for complete sediment removal
- Recessed drain valve is out of the way of brooms and scrubbers
- Low lead compliant

Warranty
- Lifetime limited tank and 6-year limited parts warranty

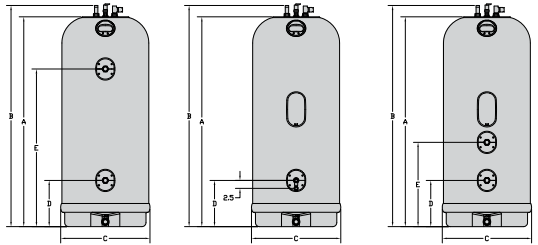
*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

DESCRIPTION			FEATURES	ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					
TYPE	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	HEIGHT TO LOWER PORT D	HEIGHT TO UPPER PORT E	APPROX. SHIP WT. (LBS)
Tall	50	MTS50200	N/A	62-3/4	66-3/4	23-1/2	13-1/2	46	100
Tall	85	MTS85200	N/A	66-1/4	70-1/4	28-1/4	14-1/2	49-1/2	134
Tall	105	MTS105200	N/A	66-3/4	70-3/4	30-1/4	15	50	152
Tall	85	MTS85245	4500	66-1/4	70-1/4	28-1/4	14-1/2	N/A	134
Tall	105	MTS105245	4500	66-3/4	70-3/4	30-1/4	15	N/A	152
Tall	85	MTS85345	4500	66-1/4	70-1/4	28-1/4	14-1/2	26-1/2	134
Tall	105	MTS105345	4500	66-3/4	70-3/4	30-1/4	15	27-1/2	152

Canadian certified models have different model numbers than U.S. models. Add a C" before the model number (e.g., CMTS85245) when ordering.
Canadian certified models are not available on thermal storage tanks without backup elements (e.g., MTS50200, MTS85200, MTS105200)

- Storage tanks furnished with elements are standard 240 volt AC.
- Maximum test pressure: 300 PSI, maximum working pressure: 150 PSI, maximum water temperature: 180° F



ProtectionPlus™

ProtectionPlus™ is a 4-year warranty extension kit to be used for new Rheem water heater installations

Warranty Extension

- 6-Year limited tank warranty becomes 10-year
- 8-Year limited tank warranty becomes 12-year
- For use on all Rheem residential models except Manufactured Housing, Marathon, Point-of-Use, Hybrid Heat Pump, Table Top, Condensing Gas Models, Tankless or Thermal Expansion Tanks

The Kit Contains

- High quality magnesium anode rod with plastic lined nipple (hot side)
- Plastic lined nipple (cold side)
- Brass 3/4" to 1" adaptor
- Warranty certificate with instructions
- ProtectionPlus™ label to be placed on water heater

Advantages

- Provides up to 135% additional anodic protection
- With just two water heaters, you have the option of selling four warranty periods
- Effectively have four water heaters in little more space than two

ProtectionPlus™		
6	Year Limited Tank Warranty Becomes	10
8	Year Limited Tank Warranty Becomes	12

Part Number: SP20079
(Sold only in 6 package quantity)

EverKleen™ System

EverKleen™ self-cleaning water heating system fights harmful sediment build-up with a high velocity spiraling water stream

Sediment build-up in a water heater creates layers of non-conducting material between the water and the energy that heats the water. This causes a reduction of heat transfer which increases tank bottom temperatures and decreases water temperatures. When this occurs, the results are decreased water heater efficiency and decreased tank life.

The EverKleen™ system helps to dislodge this sediment by channeling water through a specially developed inlet tube. This tube creates a high-velocity spiralling water stream which strikes the bottom of the water heater tank with sediment busting force.

The spiraling effect also creates better mixing throughout the water heater tank which reduces the effects of stacking. Stacking occurs when frequent small draws of water create different temperatures throughout the tank resulting in increased peak temperatures at the top of the tank. The EverKleen™ system greatly reduces peak temperatures, thus increases first hour deliverability.

Advantages

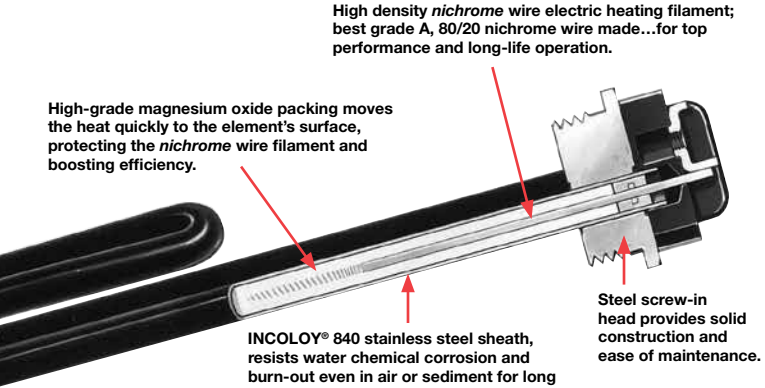
Water Heating System

- Fights sediment build-up
- Helps preserve operating efficiency
- Helps improve tank life
- Provides increased deliverability

Lifeguard™ Electric Element

Low watt density design delivers full watt-rated heating power to a larger surface area, eliminating high heat concentrations and prolonging element life.*

*See Residential Warranty Certificate for complete information.



Accessories

Catch Pan

Available in 5 sizes to help protect any installation area from possible water damage. Each 2" deep drain pan is manufactured of aluminum and fitted with a 1" drain outlet. Provides that extra level of protection assurance" that many homeowners and apartment dwellers are looking for. Available in 18", 20", 22", 24", and 261⁄2" diameters. Our specially designed, tapered side wall allows for one-inside-the-other stacking and minimal storage area. Available with side drain outlet.

Catch pan must conform to local codes

Wall Mounting Kit

For Point-of-Use Electric Water Heaters

This wall mounting kit for point-of-use electric water heater installations provides an easy way to mount the unit off the floor, out of the way for more usable floor space in a small area. It's been designed for use with 6, 10, 15, and 20 gallon models (AS-36111) and all walls with 16" stud centers. All necessary parts are included in this easy to install, time-and-money saving kit.

Thermal Expansion Tanks

Features

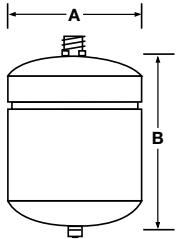
- The Therm-X-Guard is designed to provide control of maximum pressures at a level below the relief valve setting. Therefore, the relief valve does not open and spillage is eliminated. It also provides additional space in the system to accommodate the increased volume of water created by thermal expansion, returning it to the system upon demand.
- Suitable with water heaters up to 120 gallon capacity and supply pressure to 80 P.S.I.
- Easy to install – and are maintenance free
- The safest and most cost effective way to eliminate problems associated with thermal expansion in closed loop systems
- Protects water heater and plumbing fixtures from premature failure
- Low lead compliant

Warranty

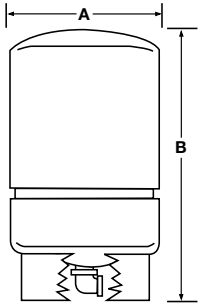
- 5-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

(RRT-5, RRT-12 Liner only)



MODELS:
RRT-5
RRT-12



MODEL:
RRT-25

MODEL NUMBER	TOTAL VOLUME (GALLONS)	MAXIMUM ACCEPTANCE (GALS.)	OPERATING TEMPERATURE	WORKING PRESSURE (PSIG)	DIAMETER (A)	HEIGHT (B)	SHIP. WT.	SYSTEM CONNECTION (BRASS)	STANDARD FACTORY PRE-CHARGE (2.8 KG/CM²)	DIAPHRAGM MATERIAL	LINER MATERIAL
RRT-5	2.0	.9	200°F (93°C)	150 (10.5kg/cm²)	8”	12-5/8”	5	3/4” NPTM	40 PSIG	Butyl Rubber	Polypropylene
RRT-12	4.4	3.2	200°F (93°C)	150 (10.5kg/cm²)	11”	15”	9	3/4” NPTM	40 PSIG	Butyl Rubber	Polypropylene
RRT-25	10.3	10.3	200°F (93°C)	150 (10.5kg/cm²)	15-3/8”	19-1/4”	23	1” NPTF	40 PSIG	Butyl Rubber	Polypropylene

Maximum Working Pressure: 150 PSI. All Models listed by NSF 61; Maximum Allowable Working Temperature: 200°F; Standard Factory Precharge: 40 PSIG

Marathon® – Limited Lifetime Warranty

Non-metallic Tank Features
- Seamless, blow-molded, polybutene tank – impervious to rust and corrosion
- Multiple layers of filament wound fiberglass give the tank unmatched strength
- Polyurethane insulation helps reduce energy consumption
- Recessed drain valve is out of the way brooms and scrubbers
- High temperature polysulfone dip tube
- Tough molded polyethylene outer shell resists dents, scratches, and salt air
- All plastic tank eliminates the need for an anode rod

Efficiency for 40 and 50-gallon models
- .95 EF
- Well insulated for reduced standby heat loss
- Pipe wrap energy saving kit included to achieve maximum energy savings

Performance for 40 and 50-gallon models
- FHR: 52 - 61 gallons, depending on model
- Recovery: 21 GPH at a 90° F rise**

Easy Installation & Service
- Marathon's lightweight tank is easier to maneuver and position
- Bowl shaped tank bottom allows complete sediment draining
- Water tight grommets keep out over-head moisture and condensation

Plus…
- Thermally fused upper element provides protection against dry-firing
- Titanium lower element for superior resistance to lime build-up
- Full-flow, brass drain valve
- Temperature and pressure relief valve
- Low lead compliant
- Standard replacement parts

Warranty
- Marathon and Marathon Point-of-Use: Lifetime limited warranty on tank and 6-years on parts*
- Point-of-use Light duty commercial use: 10-year limited tank warranty and 1-year on parts*

*See Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

*LEED Point = 1

DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
Tall	40	MR40245†	52	21	61-1/2	65-1/2	21-3/4	90	0.95
Tall	50	MR50245†	61	21	62-3/4	66-3/4	23-1/2	100	0.95
Short	50	MSR50245†	54	21	43-1/4	47-1/4	28-1/4	95	0.95

Point-of-Use Models

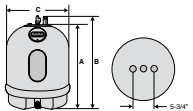
DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
TYPE	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE	VOLTAGE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)	ENERGY FACTOR
POU	15	MR15120	2000	120	31-3/4	35-3/4	21-3/4	58	N/A
POU	19.9	MR20120	2000	120	30-1/2	34-1/2	23-1/2	61	N/A
POU	19.9	MR20230	3000	240	30-1/2	34-1/2	23-1/2	61	N/A

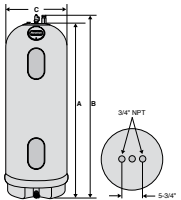
Energy Factor based on D.O.E. (Department of Energy) test procedures.
Canadian models have different model numbers than U.S. models. Add a C" before the model number (e.g., CMR85245) when ordering.
Water heaters furnished with standard 240 or 120 volt AC, single phase non-simultaneous wiring. If heating elements of different wattages than those shown are demanded, they must be specifically requested. For height to top of T&P and heat traps add 3-1/2" to the height to water connection.
Maximum test pressure: 300 PSI. Maximum working pressure: 150 PSI.

**Recovery = wattage/2.42 x temp. rise °F.
Example: $\frac{4500W}{2.42 \times 90^\circ}$ = 21 GPH

**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.

†LEED Point = 1





Marathon® Heavy Duty – Limited Lifetime Warranty

Non-metallic Tank Features
- Seamless, blow-molded, polybutene tank – impervious to rust and corrosion
- Multiple layers of filament wound fiberglass give the tank unmatched strength
- Polyurethane insulation helps reduce energy consumption
- Recessed drain valve is out of the way of brooms and scrubbers
- High temperature polysulfone dip tube
- Tough molded polyethylene outer shell resists dents, scratches, and salt air

Efficiency
- Well insulated for reduced standby heat loss
- Pipe wrap energy saving kit included to achieve maximum energy savings

Performance
- Recovery Capacity: 18.2 gallons per hour (delivers approximately 78 gallons of hot water in the first hour for 75-gallon models, 91 gallons for 85-gallon models and 104 gallons for 105-gallon models)**
- Thermostat capable of delivering water temperature up to 180° F for high temperature applications

Easy Installation & Service
- Marathon's lightweight tank is easier to maneuver and position
- Bowl shaped tank bottom allows complete sediment draining
- Water tight grommets keep out over-head moisture and condensation

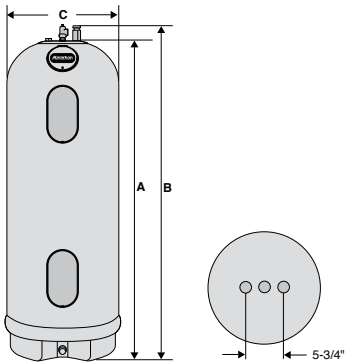
Plus…
- Thermally fused upper element provides protection against dry-firing
- Titanium upper and lower elements for superior resistance to lime build-up
- Full-flow, brass drain valve
- Temperature and pressure relief valve and factory installed vacuum relief valve
- Low lead compliant
- Standard replacement parts

Warranty
- See Warranty Certificate for complete information

DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			
TYPE	GAL. CAP.	MODEL NUMBER	RECOVERY IN G.P.H. 100° F RISE**	FIRST HOUR DELIVERY G.P.H.	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS)
Tall	75	MHD75245	18.2	78	58-5/8	62-5/8	28-1/4	122
Tall	85	MHD85245	18.2	91	66-1/4	70-1/4	28-1/4	134
Tall	105	MHD105245	18.2	104	66-3/4	70-3/4	30-1/4	152

**Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards. First hour hot water delivery is based upon 77° water temperature rise.

- Water heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring; available in 3800 and 4500 watt double element configuration (85-gallon 3000 watt).
- For height to top of heat traps add 3-1/2" to the height to water connection.
- Maximum test pressure: 300 PSI; Maximum working pressure: 150 PSI
- 180° F Max. temperature setting



SPIDER*fire*® Ultra High Efficiency (GHE Series)

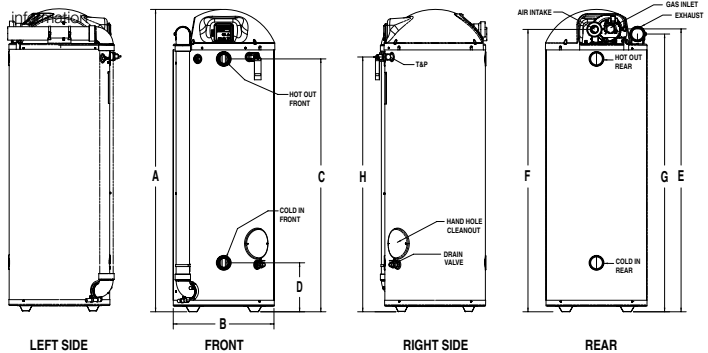
Features

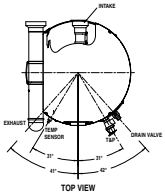
- Up to 97% thermal efficiency
- 80 and 100-Gallon capacities
- LCD diagnostic control system
- 130,000-399,900 Btu/h inputs
- Sealed combustion system
- Patented heat exchanger eliminates hot spots for better efficiency and longer life
- Ultra low NOx burner
- Faster, less costly venting with -2", -3", -4" or -6" diameter PVC plastic vent pipe
- **NEW!** Industry best venting up to 170 feet for models less than 200,000 Btu/h; Up to 130 feet for models over 200,000 Btu/h
- Built-in side riser saves installation time
- Installs as power vent or power direct vent
- Certified up to 8,999 feet above sea level
- Low lead compliant
- Natural and LP models

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete





With Optional Kit

Low Lead Compliant

ASME (OPTIONAL)

RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)											
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H. 40° F	100° F	140° F	A	B	C	D	E	F	G	H	VENT	WATER CONNECTS INLET	OUTLET	APPROX. SHIP. WT. (LBS)*
★ GHE80ES-130(A)	80	130,000	97%	382	153	109	69-5/8	26-1/4†	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2, 3, 4	2" NPT	2" NPT	725
★ GHE80ES-150(A)	80	150,000	94%	427	171	122	69-5/8	26-1/4†	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2, 3, 4	2" NPT	2" NPT	725
★ GHE80ES-200(A)	80	199,000	94%	569	228	163	69-5/8	26-1/4†	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2, 3, 4	2" NPT	2" NPT	745
★ GHE80ES-250(A)	80	250,000	95%	720	288	206	69-5/8	26-1/4†	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	3, 4	2" NPT	2" NPT	745
★ GHE80ES-300(A)	80	300,000	94%	855	342	244	69-5/8	26-1/4†	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	3, 4, 6	2" NPT	2" NPT	745
★ GHE100ES-130(A)	100	130,000	95%	374	150	107	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2, 3, 4	2" NPT	2" NPT	765
★ GHE100ES-160(A)	100	160,000	95%	461	184	132	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2, 3, 4	2" NPT	2" NPT	765
★ GHE100ES-200(A)	100	199,000	95%	573	229	164	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2, 3, 4	2" NPT	2" NPT	765
★ GHE100ES-250(A)	100	250,000	95%	713	285	204	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3, 4	2" NPT	2" NPT	795
★ GHE100ES-300(A)	100	300,000	94%	845	338	242	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3, 4, 6	2" NPT	2" NPT	795
★ GHE100ES-350(A)	100	350,000	94%	997	399	285	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3, 4, 6	2" NPT	2" NPT	800
★ GHE100ES-400(A)	100	399,900	94%	1139	456	326	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3, 4, 6	2" NPT	2" NPT	800

★ **ENERGY STAR® compliant model.**
*Weights listed are for non-ASME. Add 35 lbs. for ASME models.
130,000 - 199,000 Btu/h models are certified to be installed with 2" venting.
All models require a 120V power source.
See use and care manual for venting details.
†Overall width is 27-5/16" due to exhaust cover.

0" clearance to combustibles on sides; 6" top clearance for models 130-300; 8" top clearance for 350 and 400 model. Models with inputs of 130,000 Btu/h thru 199,000 Btu/h are certified to vent with 2" schedule 40 PVC, CPVC or ABS pipe. (For Canadian installations, please use ULC-S636 PVC and CPVC pipe.)

Super Duty Ultra High Efficiency (GHE Series)

Features

- 93% Thermal efficiency
- 500,000 Btu/h
- 119 and 125-Gallon capacities
- 180° F Maximum temperature setting
- Sealed combustion system
- Ultra low NOx burner
- All models vent with standard 4” or 6” diameter PVC plastic pipe
- Can be installed with Power Vent or Power Direct Vent configurations
- LCD user interface to monitor key functions and components
- Helical-fin three stage heat exchanger to optimize heat transfer and efficiency
- Magnesium anode rods
- Multiple water connections
- Factory installed brass drain valve
- Certified up to 2,000 feet above sea level; 7,800 feet for high altitude models
- Low lead compliant
- Natural and LP models

Warranty

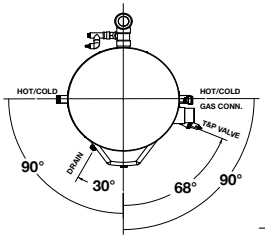
- 3-Year limited tank and 1-year limited parts warranty*

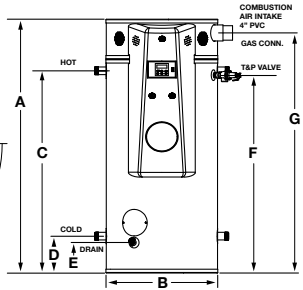
*See Commercial Warranty Certificate for complete information

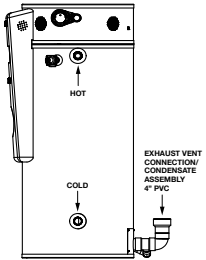
Gas-Fired

ASME (OPTIONAL)

Low Lead Compliant







RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)										
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H. 40° F	100° F	140° F	A	B	C	D	E	F	G	VENT	CONNECTIONS COLD	HOT	GAS	APPROX. SHIP. WT. (LBS)*
GHE119-500	119	500,000	93%	1409	564	403	78.50	32.00	62.78	11.43	9.43	61.43	74.00	4	2	2	1-1/2	1,200
GHE125-500A	125	500,000	93%	1409	564	403	78.50	32.00	62.78	11.43	9.43	61.43	74.00	4	2	2	1-1/2	1,200

*Weights listed are for non-ASME. Add 35 lbs. for ASME models.

Minimum And Maximum Vent and Air Intake Pipe Lengths (4" Pipe)

MODEL NUMBER	FUEL TYPE	VENT ARRANGEMENT	MIN. EQUIVALENT PIPE LENGTH (PER PIPE RUN) AIR INTAKE[1] (FT.)	VENT[2] (FT.)	MAX. EQUIVALENT PIPE LENGTH (PER PIPE RUN) AIR INTAKE[1] (FT.)	VENT[2] (FT.)
GHE119-500	NAT. or LP	DIRECT VENT	20	20	50†	50†
GHE125-500A	NAT. or LP	POWER VENT	0	20	0	100

[1] Equivalent length is measured **between** the 4" pipe connection on the water heater and the required 90° elbow termination fitting.
[2] Equivalent length is measured **after** the point of connection to the condensate assembly and includes the termination fitting (it used).
† Shown as a balance system. Vent length may exceed air intake length if total combined length does not exceed 100 ft.
Intake length cannot exceed exhaust length.

Minimum And Maximum Vent and Air Intake Pipe Lengths (6" Pipe)

MODEL NUMBER	FUEL TYPE	VENT ARRANGEMENT	MIN. EQUIVALENT PIPE LENGTH (PER PIPE RUN) AIR INTAKE[3] (FT.)	VENT[4] (FT.)	MAX. EQUIVALENT PIPE LENGTH (PER PIPE RUN) AIR INTAKE[3] (FT.)	VENT[4] (FT.)
GHE119-500	NAT. or LP	DIRECT VENT	50	50	120†	120†
GHE125-500A	NAT. or LP	POWER VENT	0	50	0	240

[3] Equivalent length is measured **between** the 4" pipe connection on the water heater and the required 90° elbow termination fitting.
[4] Equivalent length is measured **after** the point of connection to the condensate assembly and includes the termination fitting (it used).
† Shown as a balance system. Vent length may exceed air intake length if total combined length does not exceed 240 ft.
Intake length cannot exceed exhaust length.

AdvantagePlus™ Ultra High Efficiency (HE Series)

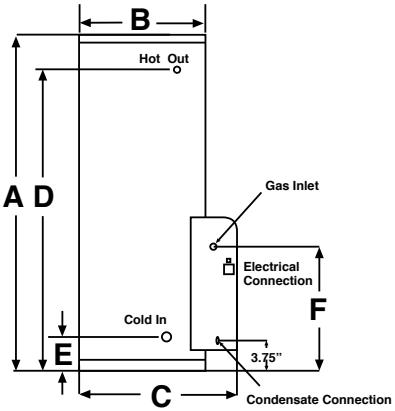
Features

- 95% Thermal efficiency
- 100,000-199,000 Btu/h
- 55, 80 and 119-Gallon capacities
- Temperature setting from 70° to 160° F
- 180° F Maximum temperature setting available on HE55-160 and HE55-199 models with booster kit
- 2" Non-CFC, polyurethane foam insulation reduces standby heat loss
- Self-diagnostic electronic control with HSI ignition control and diagnostics
- The heart of the system is a coil heat exchanger, which is constructed of corrosion resistant, high efficiency, 90/10 cupronickel
- Stainless steel tank construction requires no anode rods. Durable plastic exterior shell
- Removable front cover allows for easy access to equipment (24 inches of service clearance is recommended)
- No chimney required – vents through standard PVC, CPVC and ABS pipes, with a vent run up to 85 feet total for exhaust and intake
- Install as a two pipe power direct vent when air quality or negative air pressure are issues
- Optional concentric vent kits are available for side or vertical venting
- Optional aluminum outside vent termination kit
- Low water cut-off on all models
- Low lead compliant
- Natural and LP models
- Design reduces NOx emissions to less than 14 ng/J. (SCAQMD Rule 1146.2 compliant)
- Zero clearance to combustibles
- Certified up to 10,000 feet above sea level
- CSA/ASME rated temperature and pressure relief valve

Warranty

- 3-Year limited tank and 1-year limited parts warranty

*See Commercial Warranty Certificate for complete information



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)									
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H. 40° F	100° F	140° F	A	B	C	D	E	F	VENT	WATER CONNECTS INLET	OUTLET	APPROX. SHIP. WT. (LBS)
★ HE55-100*	55	100,000	95%	288	115	N/A	52	23-1/2	32	45	5	25-1/4	2*	1	1	175
★ HE55-130*	55	130,000	95%	374	150	N/A	52	23-1/2	32	45	5	25-1/4	2*	1	1	175
★ HE80-130*	80	130,000	95%	374	150	N/A	72	23-1/2	32	65	5	25-1/4	2*	1-1/2	1-1/2	235
★ HE119-130*	119	130,000	95%	374	150	N/A	73	27	36	66-3/4	6-3/4	28-7/8	2*	1-1/2	1-1/2	405
★ HE55-160	55	160,000	95%	461	184	132	52	23-1/2	32	45	5	25-1/4	3	1	1	175
★ HE80-160	80	160,000	95%	461	184	N/A	72	23-1/2	32	65	5	25-1/4	3	1-1/2	1-1/2	235
★ HE119-160	119	160,000	95%	461	184	N/A	73	27	36	66-3/4	6-3/4	28-7/8	3	1-1/2	1-1/2	405
★ HE55-199	55	199,000	95%	573	229	164	52	23-1/2	32	45	5	25-1/4	3	1	1	175
★ HE80-199	80	199,000	95%	573	229	N/A	72	23-1/2	32	65	5	25-1/4	3	1-1/2	1-1/2	235
★ HE119-199	119	199,000	95%	573	229	N/A	73	27	36	66-3/4	6-3/4	28-7/8	3	1-1/2	1-1/2	405

★ **ENERGY STAR® compliant model.**
The recovery rate is based on recovery efficiencies obtained in a UL certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures and exceed the thermal efficiency and standby loss requirements of ASHRAE (part of the Federally mandated Energy Policy Act - EPACT). These models also exceed the energy efficiency codes of all states including the California Energy Commission (CEC). All models are North Carolina Code compliant.
Use HEC prefix for Canadian models.

0" Clearance to combustibles on all AdvantagePlus units, however, a 24" control panel service clearance is recommended.
*Models with inputs of 100,000 Btu/h and 130,000 Btu/h are certified to vent with 2" schedule 40 PVC or CPVC pipe. (For Canadian installations, please use ULC-S636 PVC and CPVC pipe.)

The HE55-160 and HE55-199 Booster models are the only models equipped with a 180°F thermostat. Models with 180°F thermostats come standard with the Booster Installation Kit which includes all necessary components for an approved installation. Booster Installation Kit includes: Nibco Tee – 1" x 1" x 1/2" (2 pieces), Female Adapter – 1" (2 pieces), Dial Thermometer (2 pieces), Expansion Tank – 4-1/2 gallon, Grundfos 3 Speed Pump with Check Valve, Nibco 1.2" x 12" Fitting Air Chamber, Vacuum Relief Valve, Pressure Gauge – 0-200 psi, Nibco Tee 712R – 1" x 1" x 3/4" (2 pieces), Nibco Tee 714RR – 1" x 1/2" x 1", Nibco Tee – 1" x 1/2" x 1" Copper, Reducing Coupling, Pressure Reducing Valve, Nibco Male Adapter – 1"

Universal™ Heavy Duty (G Series)

Features

- Meet or exceed ASHRAE minimum of 80%
- 98,000-399,900 Btu/h
- 35 to 100-Gallon capacities
- 180° F Maximum temperature setting
- Top-front-rear inlet/outlet water connections
- Short floor to vent heights, small jacket diameters
- Exclusive System Sentinel LED diagnostic system
- Patented multi-flue design
- Stainless steel burners with raised port design slide out for quick inspection and maintenance
- Low profile automatic flue damper
- Full-port, full-flow brass drain valve
- Direct spark-to-pilot ignition system
- Patented anode rods for long tank life
- Certified up to 5,000 feet above sea level for natural gas, 2,000 feet for LP; with altitude certification kit, up to 8,000 feet
- Low lead compliant
- Natural and LP models

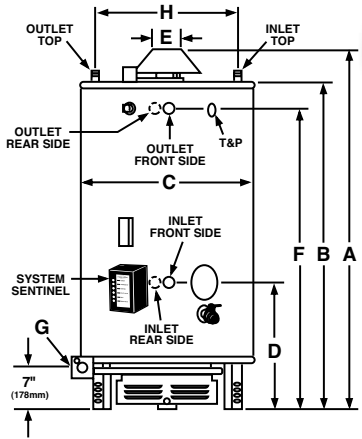
Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)

(With Optional Kit)



ELITEXPRESS 48 HOUR DELIVERY

RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)												
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.												WATER CONNECTS			APPROX. SHIP. WT. (LBS)	
				40° F	100° F	140° F	A	B	C	D	E	F	G	H	TOP	FRONT	REAR	STD.	ASME
G50-98	50	98,000	80%	238	95	68	62-3/4	57-1/8	22-1/2	22-5/8	5	50-1/2	1/2	15	1	1-1/2	1-1/2	270	N/A
G75-125	75	125,000	80%	303	121	87	65-1/2	61	26-1/4	25	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480	N/A
G82-156	82	156,000	80%	378	151	108	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	490	N/A
G76-180	76	180,000	80%	436	175	125	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	540	N/A
G37-200	35	199,900	80%	485	194	138	49-1/4	43-3/8	26-1/4	25	6	37-5/8	3/4	20	1-1/2	1-1/2	1-1/2	405	N/A
G76-200	76	199,900	80%	485	194	138	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	540	N/A
G91-200	91	199,900	80%	485	194	138	76-5/16	71-13/16	26-1/4	30-5/8	6	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	600	N/A
G100-200(A)	100	199,900	80%	485	194	138	73-1/16	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	780	835
G72-250(A)	72	250,000	80%	606	242	173	71-1/16	64-1/2	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590	630
G100-250(A)	100	250,000	80%	606	242	173	73-1/4	66-1/8	30-1/4	23-1/4	8	57-1/2	3/4	23	1-1/2	2	2	795	835
G100-270(A)	100	270,000	80%	654	262	187	73-7/8	66-1/8	30-1/4	23-1/4	8	57-1/2	3/4	23	1-1/2	2	2	805	845
G72-300(A)	72	300,000	80%	727	291	208	71	64-1/2	26-1/4	25	8	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590	630
G85-300(A)	85	300,000	80%	727	291	208	78-7/16	72-5/16	26-1/4	30-5/8	8	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	640	680
G100-310(A)	100	310,000	80%	752	301	215	75	68-1/2	30-1/4	32-1/4	7	61-3/4	3/4	23	1-1/2	2	2	770	810
G65-360(A)	65	360,000	80%	873	349	249	70-11/16	64-1/2	26-1/4	25	8	58-5/8	3/4	n/a	n/a	1-1/2	1-1/2	640	680
G65-400(A)	65	399,900	80%	969	388	277	70-11/16	64-1/2	26-1/4	25	8	58-5/8	3/4	n/a	n/a	1-1/2	1-1/2	640	680
G85-400(A)	85	399,900	80%	969	388	277	78-13/16	72-5/16	26-1/4	30-5/8	10	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	640	680
G100-400(A)	100	399,900	80%	969	388	277	76	68-1/2	30-1/4	32-1/4	8	61-3/4	1*	23	1-1/2	2	2	770	810

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. Thermal Efficiency in accordance with ANSI Z21.10.3 labeling requirements.
(A) Indicates available ASME Model. *3/4" for L.P. models. Increase height 3-5/8" for NSF models. All models require a 120V power source.
These models have been tested according to ANSI test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC). All models are North Carolina Code compliant.

Universal™ Low NOx Heavy Duty (GN Series)

Features

- 80% Thermal efficiency
- 125,000-399,900 Btu/h
- 35 to 100-Gallon capacities
- 180° F Maximum temperature setting
- Top-front-rear inlet/outlet water connections
- Short floor to vent heights, small jacket diameters
- Exclusive System Sentinel LED diagnostic system
- Patented multi-flue design with proprietary steel formulation and two coats of porcelain enamel for a superior heat exchanger design
- Low profile automatic flue damper
- Full-port, full-flow brass drain valve
- Direct spark-to-pilot ignition system
- Patented anode rods for long tank life
- Low lead compliant
- Natural gas models

Low NOx Burner

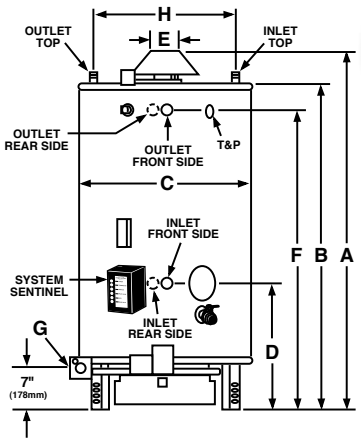
- Power assist burner design incorporates stainless steel multi-port burner tubes for long term low NOx performance,l ess than 40 ng/J
- Sight glass allows for burner observation
- Blower guard provides protection against potential post-installation damage
- Low NOx models are certified up to 2,000 feet; high altitude certification for models GN76-200, GN91-200 and GN100-270 is 5,000 feet; model GN100-200(A) is 8,000 feet

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)												
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT.	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	H	WATER CONNECTS			APPROX. SHIP. WT. (LBS)	
				40° F	100° F	140° F									TOP	FRONT	REAR	STD.	ASME
GN75-125	75	125,000	80%	303	121	87	65-1/2	61	26-1/4	25	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480	N/A
GN82-156	82	156,000	80%	378	151	108	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	490	N/A
GN37-200	35	199,900	80%	485	194	138	49-1/4	43-3/8	26-1/4	25	6	37-5/8	3/4	20	1-1/2	1-1/2	1-1/2	405	N/A
GN76-200	76	199,900	80%	485	194	138	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	540	N/A
GN91-200	91	199,900	80%	485	194	138	76-5/16	71-13/16	26-1/4	30-5/8	6	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	600	N/A
GN100-200(A)	100	199,900	80%	485	194	138	73-1/16	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	780	835
GN72-250(A)	72	250,000	80%	606	242	173	71-1/16	64-1/2	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590	630
GN100-250(A)	100	250,000	80%	606	242	173	73-1/4	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835
GN100-270(A)	100	270,000	80%	655	262	187	73-7/8	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	805	845
GN65-360(A)	65	360,000	80%	873	349	249	70-11/16	64-1/2	26-1/4	25	8	58-5/8	3/4	N/A	N/A	1-1/2	1-1/2	640	680
GN100-400(A)	100	399,900	80%	969	388	277	76	68-1/2	30-1/4	32-1/4	8	61-3/4	1	23	1-1/2	2	2	770	810

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory.
(A) Indicates available ASME model.
All models require a 120V /1.5 Amp power source.

Universal™ Ultra Low NOx Heavy Duty (GNU Series)

Features

- 80-82% Thermal efficiency
- 125,000-399,900 Btu/h
- 35 to 100-Gallon capacities
- 180° F Maximum temperature setting
- Top-front-rear inlet/outlet water connections
- Short floor to vent heights, small jacket diameters
- Exclusive System Sentinel LED diagnostic system
- Patented multi-flue design with proprietary steel formulation and two coats of porcelain enamel for a superior heat exchanger design
- Low profile automatic flue damper
- Full-port, full-flow brass drain valve
- Direct spark-to-pilot ignition system
- Patented anode rods for long tank life
- Low lead compliant
- Natural gas models

Ultra Low NOx Burner

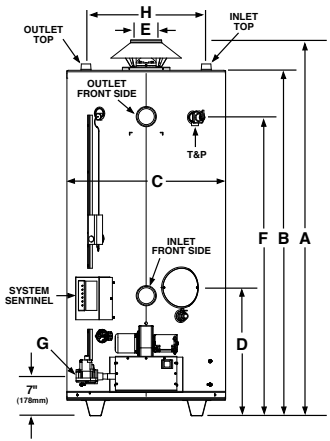
- Power assist burner design incorporates stainless steel multi-port burner tubes for long term ultra low NOx performance, less than 14 ng/J
- Sight glass allows for burner observation
- Entire design is removable and it is highly resistant to the effects of negative air pressure common in modern commercial buildings
- Ultra low NOx base rail provides for better handling when moving and positioning unit
- GNU100-200(A) models are certified up to 5,200 feet above sea level. All other models are certified up to 2,000 feet

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)												
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT.	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	H	WATER CONNECTS			APPROX. SHIP. WT. (LBS)	
				40° F	100° F	140° F									TOP	FRONT	REAR	STD.	ASME
GNU75-125	75	125,000	80%	303	121	87	65-1/2	61	26-1/4	25	5	56	3/4	20	1-1/2	1-1/2	1-1/2	480	N/A
GNU82-156	82	156,000	80%	378	151	108	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	490	N/A
GNU37-200	35	199,900	82%	485	194	138	49-1/4	43-3/8	26-1/4	25	6	37-5/8	3/4	20	1-1/2	1-1/2	1-1/2	405	N/A
GNU76-200	76	199,900	80%	485	194	138	68-13/16	64	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	540	N/A
GNU91-200	91	199,900	82%	485	194	138	76-5/16	71-13/16	26-1/4	30-5/8	6	66-3/8	3/4	20	1-1/2	1-1/2	1-1/2	600	N/A
GNU100-200(A)	100	199,900	82%	485	194	138	73-1/16	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	780	835
GNU72-250(A)	72	250,000	80%	606	242	173	71-1/16	64-1/2	26-1/4	25	6	58-5/8	3/4	20	1-1/2	1-1/2	1-1/2	590	630
GNU100-250(A)	100	250,000	82%	606	242	173	73-1/4	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835
GNU100-270(A)	100	270,000	82%	655	262	187	73-7/8	66-1/8	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	805	845
GNU65-360(A)	65	360,000	80%	873	349	249	70-11/16	64-1/2	26-1/4	25	8	58-5/8	3/4	N/A	N/A	1-1/2	1-1/2	640	680
GNU100-400(A)	100	399,900	80%	969	388	277	76	68-1/2	30-1/4	32-1/4	8	61-3/4	1	23	1-1/2	2	2	770	810

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory.
(A) Indicates available ASME model.
All models require a 120V /1.5 Amp power source.

Universal™ Induced Draft Heavy Duty (GD Series)

Features

- 80% Thermal efficiency
- 250,000, 270,000, 310,000 and 360,000 Btu/h
- 100-Gallon capacity
- 180° F Maximum temperature setting
- Top-front-rear inlet/outlet water connections
- Short floor to vent heights, small jacket diameters
- Exclusive System Sentinel LED diagnostic system
- Patented multi-flue design with proprietary steel formulation and two coats of porcelain enamel for a superior heat exchanger design
- Full-port, full-flow brass drain valve
- Direct spark-to-pilot ignition system
- Patented anode rods for long tank life
- CSA/ASME rated temperature and pressure relief valve
- Low lead compliant
- Natural and LP models

Factory Installed Draft Inducer

- Provides an induced draft allowing higher BTUs to be vented through 6-inch vent

6-Inch Category 1 Appliance

- Allows for easy upgrade or retrofit of existing applications

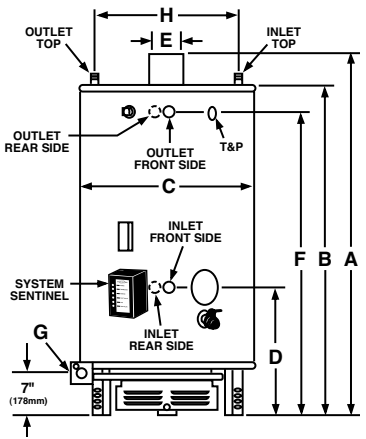
Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)

(With Optional Kit)



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)												
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	H	WATER CONNECTS			APPROX. SHIP. WT. (LBS)	
				40° F	100° F	140° F									TOP	FRONT	REAR	STD.	ASME
GD100-250(A)	100	250,000	80%	606	242	173	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835
GD100-270(A)	100	270,000	80%	665	262	187	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835
GD100-310(A)	100	310,000	80%	752	301	215	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835
GD100-360(A)	100	360,000	80%	873	349	249	73-1/2	66-3/4	30-1/4	23-1/4	6	57-1/2	3/4	23	1-1/2	2	2	795	835

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states.
(A) Indicates available ASME model.
All models require a 120V /3 Amp power source.

Xtreme™ Heavy Duty (GX Series)

Features

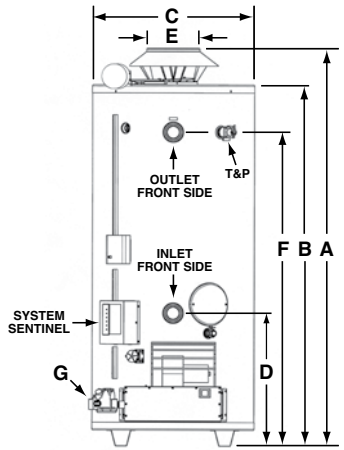
- 80% Thermal efficiency
- 500,000-715,000 Btu/h
- 90-Gallon capacity
- 180° F Maximum temperature setting
- Exclusive System Sentinel LED diagnostic system with glowing LED lights verifies system operation sequence by sequence
- Patented multi-flue design with proprietary steel formulation and two coats of porcelain enamel for a superior heat exchanger design
- Low profile automatic flue damper
- Five premix burners mounted into a metal face plate and sealed with a Viton gasket. Patented quick release manifold for easier service
- Direct spark-to-pilot ignition system
- Precision round premix burners formed from chromium stainless steel
- Full-port, full-flow brass drain valve
- Patented magnesium anode rods for long tank life
- Standard natural and LP models are certified up to 2,000 feet above sea level; 8,000 feet for high altitude models
- Low lead compliant
- Natural and LP models

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)										
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	WATER CONNECTS		APPROX. SHIP. WT. (LBS)	
				40° F	100° F	140° F								FRONT	REAR	STD.	ASME
GX90-550(A)	90	550,000 NAT	80%	1333	533	381	74.5	68	30	25	10	59	1	2	2	905	945
GX90-640(A)	90	640,000 NAT	80%	1551	621	443	74.5	68	30	25	10	59	1	2	2	905	945
GX90-715(A)	90	715,000 NAT	80%	1733	693	495	74.5	68	30	25	10	59	1	2	2	905	945
GX90-500(A) LP	90	500,000 LP	80%	1212	485	346	74.5	68	30	25	10	59	1	2	2	905	945
GX90-600(A) LP	90	600,000 LP	80%	1455	582	416	74.5	68	30	25	10	59	1	2	2	905	945
GX90-680(A) LP	90	680,000 LP	80%	1649	659	471	74.5	68	30	25	10	59	1	2	2	905	945

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states.
(A) Indicates available ASME model.
All models require a 120V power source.

VentMaster™ Heavy Duty Power Direct Vent (GP Series)

Features

- Meets or exceeds a minimum of 80% thermal efficiency (non-condensing)
- 199,900 and 250,000 Btu/h
- 100-Gallon capacity
- 180° F Maximum temperature setting
- Exclusive System Sentinel LED diagnostic system
- Patented multi-flue design with proprietary steel formulation and two coats of porcelain enamel
- 120 Volt integral automatic blower assists quietly discharges combustion gases
- Installs easier with less costly 3" or 4" Schedule 40 PVC pipe; no masonry or metal vent chimney is required
- Base rail design provides better handling when moving unit
- Full-port, full-flow brass drain valve
- Direct spark-to-pilot ignition system
- Hand-hole cleanout for easy removal of sediment deposits
- CSA/ASME rated temperature and pressure relief valve
- Standard models certified to 2,000 feet above sea level; high altitude models certified to 8,000 feet above sea level
- Low lead compliant
- Natural and LP models

Gas Control System

- Fully adjustable thermostat from 100° F to 180° F
- 24 Volt combination gas valve includes main gas pressure regulation and an on-off manual valve

Warranty

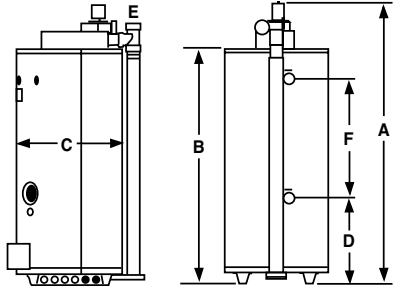
- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

(On Selected Models)

ELITEXPRESS 48 HOUR DELIVERY

Rear dimension, add 4" clearance for intake



RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)									
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	GAS VALVE	WATER CONNECTS		APPROX. SHIP. WT. (LBS)
				40° F	100° F	140° F								INLET	OUTLET	
GP100-200	100	199,900	80%	485	194	138	81-3/4	68-1/4	30-1/4	24-3/4	3	59	3/4	2	2	860
GP100-250(A)	100	250,000	80%	606	242	173	81-3/4	68-1/4	30-1/4	24-3/4	4	59	3/4	2	2	860

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory. These models have been tested according to ANSI Z21.10.3 test procedures, and exceed the thermal efficiency and standby loss requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states.
(A) Indicates available ASME model.

Hot Water Supply Heaters Heavy Duty (GBC Series)

Features
- 82% Thermal efficiency
- 136,000-1,826,000 Btu/h
- 180° F Maximum temperature setting
- Indoor and outdoor models
- For use with or without a circulating pump
- Spark-to-pilot (IID) system for minimal heat loss
- Glasslined cast iron headers handle any aggressive water condition
- Low lead compliant
- Natural and LP models

Reliable Heat Exchanger Design
- Copper heat exchanger
- Single bank, straight-through design
- Floating return header is immune to thermal shock

Energy Saving Pump Control
- Allows the operator to set the desired time for the pump to run after the water heater shuts off
- Water heater pump is programmed to continue running for an optimum period of time in orde to absorb the residual heat

Warranty
- 5-Year limited heat exchanger warranty*

*See Commercial Warranty Certificate for complete information

MBTUH PROPANE GAS†	
MODEL SIZE	MULTIPLIER
136-399	Same as natural gas
512-825	.94
926-1826	.92 Indoor .955 Outdoor (input) .92 Outdoor (output)

†Multiplier x Nat. MBTUH = Pro. MBTUH

ELECTRICAL RATINGS	
MODEL SIZE	WITH PUMP
136-399	3.7 amps @ 120V (1/8 hp pump)
331-399	3.6 amps @ 120V (1/6 hp pump)
512-1826	7.2 amps @ 120V (1/2 hp pump)

SPECIFICATIONS AND DIMENSIONAL INFORMATION

MODEL NUMBER		STYLE		MBTUH NATURAL GAS (X 1000)				TEMPERATURE RISE – GALLONS PER HOUR			DIMENSIONS (INCHES)					SHIPPING WEIGHT††	
				(INDOOR)		(OUTDOOR)											
WITH-OUT PUMP	WITH PUMP	IN-DOOR	OUT-DOOR	INPUT	OUTPUT	INPUT	OUTPUT	40°F	100°F	140°F	WIDTH	HEIGHT OVERALL	JACKET HEIGHT	GAS CONN.	FLUE DIA.	(INDOOR)	(OUTDOOR)
GBB136*	GBBP136*	•	•	136.0	112.0	136.0	112.0	330	132	94	14-1/4	45	30-1/8	1/2	6	195	195
GBC186	GBCP186	•	•	181.0	148.0	181.0	148.0	445	178	127	18-1/4	40	38	3/4	6	191	200
GBC264	GBCP264	•	•	264.0	216.0	264.0	216.0	640	256	183	22-3/8	40	38	3/4	7	214	220
GBC331	GBCP331	•	•	334.0	274.0	334.0	274.0	822	328	235	25-3/4	40	38	3/4	8	234	240
GBC399	GBCP399	•	•	399.0	327.0	399.0	327.0	967	387	276	29-1/4	40	38	3/4	9	253	260
GBC512	GBCP512	•	•	511.5	419.4	511.5	419.4	1240	496	354	32-3/4	57	33	1	10	510	535
GBC627	GBCP627	•	•	627.0	514.1	627.0	514.1	1520	608	434	37-1/2	57	33	1	12	520	545
GBC726	GBCP726	•	•	726.0	595.4	726.0	595.4	1760	704	503	41-5/8	57	33	1	12	630	685
GBC825	GBCP825	•	•	825.0	676.5	825.0	676.5	2000	800	571	45-3/4	57	33	1	14	660	720
GBC926	GBCP926	–	•	–	–	926.0	759.3	3345	898	641	52-3/8	–	–	1	–	–	790
GBC962	GBCP962	•	–	961.7	788.6	–	–	2331	933	665	52-3/8	68-3/4	33-1/2	1	14	760	–
GBC1083	GBCP1083	–	•	–	–	1083.0	888.1	2625	1050	750	59-1/4	–	–	1	–	–	850
GBC1125	GBCP1125	•	–	1124.7	922.2	–	–	2727	1091	779	59-1/4	74-1/2	33-1/2	1	16	800	–
GBC1178	GBCP1178	–	•	–	–	1178.0	966.0	2856	1142	816	63-5/8	–	–	1	–	–	910
GBC1223	GBCP1223	•	–	1222.5	1002.4	–	–	2964	1185	847	63-5/8	74-1/2	33-1/2	1	16	860	–
GBC1287	GBCP1287	–	•	–	–	1287.0	1055.3	3120	1248	891	68-5/8	–	–	1-1/4	–	–	975
GBC1337	GBCP1337	•	–	1336.6	1096.0	–	–	3240	1296	926	68-5/8	76-1/2	33-1/2	1-1/4	18	930	–
GBC1413	GBCP1413	–	•	–	–	1413.0	1158.7	3425	1370	979	74-7/8	–	–	1-1/4	–	–	1065
GBC1467	GBCP1467	•	–	1467.0	1202.9	–	–	3556	1423	1016	74-7/8	76-1/2	33-1/2	1-1/4	18	1000	–
GBC1570	GBCP1570	–	•	–	–	1570.0	1287.4	3806	1522	1087	81-1/8	–	–	1-1/4	–	–	1120
GBC1630	GBCP1630	•	–	1630.0	1336.5	–	–	3952	1581	1129	81-1/8	79-1/2	36-1/2	1-1/4	18	1040	–
GBC1758	GBCP1758	–	•	–	–	1758.0	1441.6	4262	1705	1218	89-3/8	–	–	1-1/4	–	–	1150
GBC1826	GBCP1826	•	–	1825.6	1496.9	–	–	4426	1770	1264	89-3/8	81-1/2	36-1/2	1-1/4	20	1090	–

††Subtract 55 lbs. when ordering GBC models. *Equipped with bronze headers, all other models have glasslined cast iron headers.
GBC – cast iron headers. GBB – bronze headers. Add N after model number for Low NOx configuration on 186-399 models.

Medium Duty (G Series)

Features

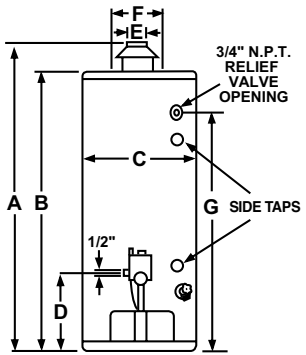
- 80% thermal efficiency
- 54,000-80,000 Btu/h
- 48, 75, 98 and 100-Gallon capacities
- 180° F maximum temperature setting for G75-75N model; all other models 160° F Maximum temperature setting
- Proprietary steel formulation with a unique coat of high temperature porcelain enamel maximizes corrosion resistance resulting in a superior tank design
- Magnesium anode rods ensure corrosion resistance for a long tank life
- Rigid foam insulation provides superior insulating qualities, improves efficiency and reduces operating costs
- Factory installed CSA/ASME rated temperature and pressure relief valve
- Factory installed full-port, full-flow brass drain valve
- Low lead compliant

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

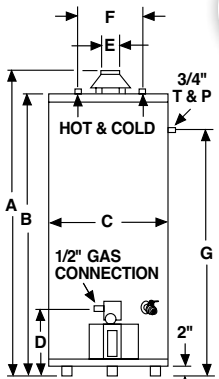
(With Optional Kit)



G50-65, G75-75 & G100-65
Side taps on 48, 75 & 98 gallon models only

G50-65
water connections are 3/4" NPT

G75-75 & G100-65LP
water connections are 1" NPT



G100-80
water connections
are 1" NPT

ELITEXPRESS
48 HOUR
DELIVERY

RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)										
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	CLEARANCE TO COMBUST.			APPROX. SHIP. WT. (LBS)
				40° F	100° F	130° F								TOP	FRONT	REAR	
G50-60N†*	48	60,000	80%	107	43	33	61-3/4	58-1/2	21-3/4	14	4	11	51-3/4	0	3	12	150
G50-54LP*	48	54,000	80%	86	34	26	61-3/4	58-1/2	21-3/4	14	4	11	51-3/4	0	3	12	150
G75-75N-2†*	75	75,100	80%	182	73	56	64	60	26-1/4	13-1/4	4	11	53-1/4	1	3	2	320
G75-76LP*	75	75,100	80%	182	73	56	64	60	26-1/4	13-1/4	4	11	53-1/4	1	3	2	320
G100-80	100	80,000	80%	194	78	60	69-5/8	65-3/4	28-1/4	11	4	15	57-13/16	1	Alcove	12	410
G100-80N†	100	76,000	80%	184	74	57	69-5/8	65-3/4	28-1/4	11	4	15	57-13/16	1	Alcove	12	410
G100-76LP*	98	75,100	80%	182	73	56	67-7/8	64	27-1/4	14-7/8	4	11	57-3/16	1	3	12	350

Recovery ratings are based on thermal efficiencies obtained in a CSA certified laboratory.
†Meets 40ng/J NOx requirements.
***FVIR Compliant**

Medium Duty Ultra Low NOx (G-UN Series)

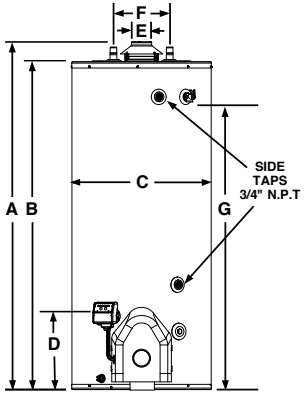
Features

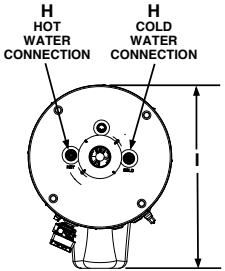
- 80% thermal efficiency
- 75,100 Btu/h
- 75 and 98-Gallon capacities
- 180° F Maximum temperature setting
- Power assist burner design incorporates stainless steel multi-port burner tubes for long term ultra low NOx performance, less than 14 ng/J
- Sight glass allows for burner observation
- Burner design is removable and highly resistant to the effects of negative air pressure
- Most standard models certified to 7,700 feet above sea level; high altitude kits available for up to 10,200 feet. See spec sheet for exceptions and variants
- Side water connections for space saving applications
- Durable silicon nitride ignitor (HSI)
- Low lead compliant

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information





RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)									
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT.	THERMAL EFFIC.	TEMP. RISE – G.P.H. 40° F	100° F	130° F	A	B	C	D	E	F	G	H	I	APPROX. SHIP. WT. (LBS)
G75UN	75	75,100	80%	182	73	56	64-1/8	60-1/4	26-1/4	14-1/4	4	11	52-1/4	1	33-3/4	300
G100UN	98	75,100	80%	182	73	56	67-7/8	64	27-1/8	14-1/4	4	11	56-1/8	1	34-3/4	370

Power Vent Medium Duty (GPV Series)

Features

- 80% Thermal efficiency
- 75,100 Btu/h
- 75-Gallon capacity
- 160° F Maximum temperature setting
- Superior tank design features proprietary steel formulation with a unique coat of high temperature porcelain enamel to maximize corrosion resistance
- FVIR compliant, maintenance free with no filters to clean
- Flammable vapor detection sensor disables the heater in the presence of flammable vapor accumulation
- Integrated self-diagnostic system
- Integral automatic powered blower assists quietly bringing in combustion air and discharging combustion gases
- Environmentally friendly burner is 40 ng/J NOx compliant
- Patented magnesium anode rod design with resistor protects the tank from corrosion
- Hot surface ignition (HSI) for less fuel consumption versus a standing pilot
- Self-cleaning
- Full-port, full-flow brass drain valve
- CSA/ASME rated temperature and pressure relief valve
- Certified up to 7,700 feet above sea level
- Low lead compliant
- Natural and LP models

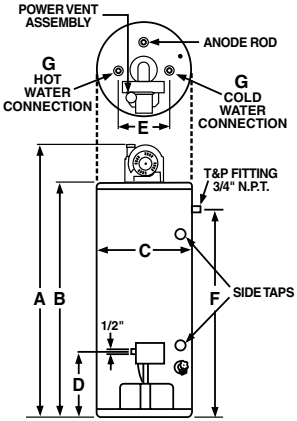
Easier, Less Costly Venting

- Installs with PVC, ABS, or CPVC vent options with vertical or horizontal termination
- Side connections available for ease of installation and flexibility
- Maximum vent length is 95 equivalent feet using 4" PVC
- Vents up to 35 equivalent feet using 3" PVC pipe

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information



ELITEXPRESS 48 HOUR DELIVERY

RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)							
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H. 40° F	100° F	120° F	A	B	C	D	E	F	G	APPROX. SHIP. WT. (LBS)
GPV75-75FV-2	75	75,100	80%	182	73	61	71-7/8	60-1/8	26-1/4	14-3/4	11	53-1/4	1	330
GPV75-75PFV-2	75	75,100	80%	182	73	61	71-7/8	60-1/8	26-1/4	14-3/4	11	53-1/4	1	330

Maximum and Minimum Vent Lengths for 3” and 4” Vents

FROM SEA LEVEL THROUGH 2,000 FT. ABOVE SEA LEVEL				
MODEL	VENT SYSTEM DIAMETER	MIN. ALLOWED EQUIVALENT VENT LENGTHS (EACH PIPE RUN)	MAX. ALLOWED EQUIVALENT VENT LENGTHS (EACH PIPE RUN)	VENT SYSTEM TERMINATION(S)
75-Gallon	3 Inches	10 Feet	50 Feet	90° Elbow
	4 Inches	10 Feet	100 Feet	90° Elbow

For the 3" and 4" vent, one 90° elbow is approximately equal to 5 feet of pipe.
One 45° elbow is approximately equal to 2.5 feet of pipe.

NOTICE: The mixing of 3" and 4" vent pipe is not recommended. If 4" pipe is used, a 3" to 4" reducer fitting is recommended at the rubber coupling.

This water heater is supplied with a 3" Schedule 40 PVC 90° vent terminal.
When venting with 4" pipe, a Schedule 40 PVC 90° vent terminal must be used. Screens for both 3" and 4" vent terminals have been included.

Power Direct Vent **Medium Duty (GPDV Series)**

Features

- Meets or exceeds a minimum of 80% thermal efficiency (non-condensing)
- 47,000-75,100 Btu/h
- 50 and 75-Gallon capacities
- 160° F Maximum temperature setting for 50-gallon models and 180° F for 75-gallon models
- Sealed combustion
- Flammable vapor detection sensor disables the heater in the presence of flammable vapor accumulation
- Integrated self-diagnostic system
- Integral automatic powered blower assists quietly bringing in combustion air and discharging combustion gases
- Environmentally friendly burner is 40 ng/J NOx compliant
- Patented anode rod design with resistor protects tank from corrosion
- Hot surface ignition (HSI)
- Self-cleaning
- CSA/ASME rated temperature and pressure relief valve
- Certified up to 7,700 or 10,200 feet above sea level, refer to venting chart on next page
- Low lead compliant
- Natural and LP models

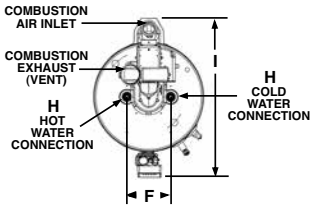
Easier, Less Costly Venting

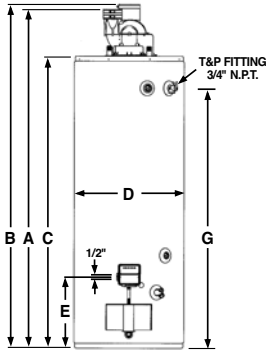
- Installs with PVC, ABS, or CPVC vent options with vertical or horizontal termination
- Side connections are available for ease of installation and flexibility
- Maximum vent length is 100 equivalent feet using 4" vent pipe and 50 equivalent feet using 3" vent pipe

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information





RECOVERY CAPACITIES							DIMENSIONAL INFORMATION (All dimensions shown in inches)									
MODEL NUMBER	GAL. CAP.	INPUT (BTU/H) NAT. & LP	THERMAL EFFIC.	TEMP. RISE – G.P.H.			A	B	C	D	E	F	G	H	I	APPROX. SHIP. WT. (LBS)
				40° F	100° F	140° F										
GPDV50-65	50	65,000	80%	148	59	42	67-5/8	68-3/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	210
GPDV50-65LP	50	65,000	80%	107	43	31	67-5/8	68-3/8	59-3/8	21-3/4	14	8	52-3/4	3/4	31-1/2	210
GPDV75-75	75	75,100	80%	171	68	49	70-3/8	71-1/4	60-1/2	26-1/2	15	11	53	1	36-3/4	325
GPDV75-76LP	75	75,100	80%	171	68	49	70-3/8	71-1/4	60-1/2	26-1/2	15	11	53	1	36-3/4	325

Air-Inlet and Venting Information

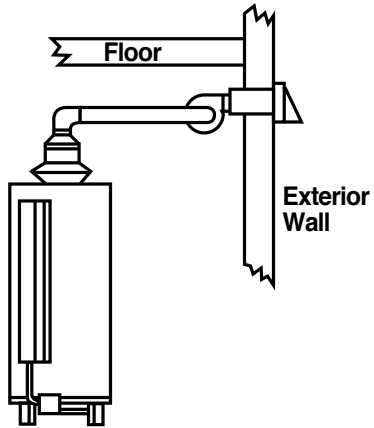
MODEL NUMBER	VENT & COMBUSTION AIR-INLET SYSTEM DIAMETER (INCHES)				MIN. ALLOWED EQUIVALENT VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)				MAX. ALLOWED EQUIVALENT VENT & COMBUSTION AIR-INLET LENGTHS – EACH PIPE RUN (FT.)				VENT AND COMBUSTION AIR-INLET SYSTEM TERMINATION(S)	
	SEA LEVEL – 2,000 FT. ABOVE S.L.	3,001 FT. – 5,999 FT. ABOVE S.L.	6,000 FT. – 7,700 FT. ABOVE S.L.	7,701 FT. – 10,200 FT. ABOVE S.L.	SEA LEVEL – 2,000 FT. ABOVE S.L.	3,001 FT. – 5,999 FT. ABOVE S.L.	6,000 FT. – 7,700 FT. ABOVE S.L.	7,701 FT. – 10,200 FT. ABOVE S.L.	SEA LEVEL – 2,000 FT. ABOVE S.L.	3,001 FT. – 5,999 FT. ABOVE S.L.	6,000 FT. – 7,700 FT. ABOVE S.L.	7,701 FT. – 10,200 FT. ABOVE S.L.		
GPDV50-65	3	3	3	3	7	7	7	7	50	50	50	25	90° Elbows	–
	3	3	3	3	7	7	7	7	40	40	40	20	–	Concentric*
	4	4	4	4	7	7	7	7	100	100	100	100	90° Elbows	–
GPDV75-75	3	3	–	–	8	8	–	–	50	25	–	–	90° Elbows	–
	3	3	–	–	8	8	–	–	40	20	–	–	–	Concentric*
	4	4	4	–	8	8	8	–	100	100	50	–	90° Elbows	–

• One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.
* Use only Rheem 3 inch concentric termination.

Power Vent Kits

Features & Benefits

- Inputs: use with inputs from 98,000 – 400,000 Btu/h
- Use with natural gas or LP
- Vent Length: use for vent lengths up to a maximum of 50 feet including the vent terminal
- Vent terminal can be installed through combustible or non-combustible surfaces – heat shield is provided
- Venter can be connected to a vent termination on an exterior wall
- Vibration isolators are supplied to provide quiet operation
- Complete with mounting hardware
- Venter is pre-wired with 40 feet of #18-4 copper wire (24 volt)
- Power vent kits manufactured by Tjernlund Products, Inc. are tested and certified by CSA for use on these Rheem commercial gas water heaters (not for use with GN, GP, and GX models)



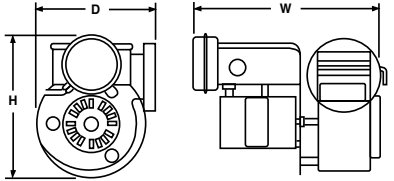
MODEL	VENT KIT	PART NO.	DRAFT HOOD OUTLET	VENT SIZE	VENT ADAPTER*
G50-98	PV Kit 4	AP11646	5"	4"	5" x 4"
G75-125	PV Kit 4	AP11646	5"	4"	5" x 4"
G82-156	PV Kit 4	AP11646	6"	4"	6" x 4"
G76-180	PV Kit 4	AP11646	6"	4"	6" x 4"
G37-200	PV Kit 5	AP11645	6"	6"	Not Req.
G76-200	PV Kit 5	AP11645	6"	6"	Not Req.
G91-200	PV Kit 5	AP11645	6"	6"	Not Req.
G100-200(A)	PV Kit 5	AP11645	6"	6"	Not Req.
G72-250(A)	PV Kit 5	AP11645	6"	6"	Not Req.
G100-250(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G100-270(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G72-300(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G85-300(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G100-310(A)	PV Kit 5	AP11645	7"	6"	7" x 6"
G65-360(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G65-400(A)	PV Kit 5	AP11645	8"	6"	8" x 6"
G85-400(A)	PV Kit 5	AP11645	10"	6"	10" x 6"

*Note: Vent Pipe and Vent Adapter are NOT included.
PVC Venting not for use with Power Vent kits listed above.

Power Vent Kit Dimensions

KIT#	MOTOR WATTS	MOTOR AMPS	MAX VENT	HEIGHT (H)	WIDTH (W)	DEPTH (D)	INLET OUTLET
4	95	1.26	50 ft	7-7/8"	11"	7"	4"
5	170	1.51	50 ft	9-1/4"	11-5/8"	8-5/8"	6"

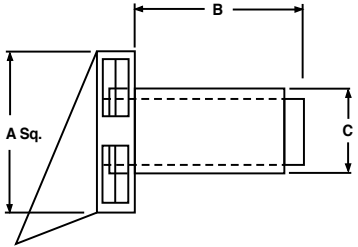
Note: Max Vent Length based on total length of straight vent pipe plus 10 feet for each 90 degree elbow and 5 feet for each 45 degree elbow.



Vent Terminal Dimensions

KIT#	A	B	C	ROUGH IN DIMENSION
4	9"	9-1/2"	7" Sq.	8" Sq.
5	10-1/8"	9-1/2"	8-1/2" Dia.	9" Dia.

Note: Max Vent Length based on total length of straight vent pipe plus 10 feet for each 90 degree elbow and 5 feet for each 45 degree elbow.



For technical assistance, please call the Tjernlund Help Line at 1-800-255-4208.

Tankless Temperature Upgrade Kits

Features

- Indoor and outdoor condensing and mid-efficiency models
- 85-185 Degree temperature range with commercial upgrade chip
- Remote control displays temperature settings and maintenance codes
- High altitude option – up to 9,840 feet above sea level
- EZ-Spec application sizing software available online
- Condensing models feature:
  - .92 - .94 EF with stainless steel condensing heat exchanger
  - Low cost, 3-inch PVC venting
  - Centrotherm polypropylene venting
  - Condensate neutralizer
- Mid-efficiency models feature:
  - .82 EF
  - 3 x 5 inch concentric venting
  - Integrated condensate collector
- Low lead compliant
- Natural and LP models

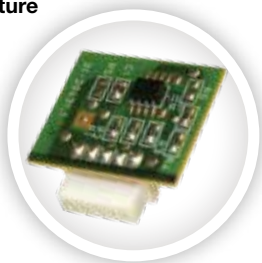
Warranty

- 5-Year limited heat exchanger warranty with commercial upgrade, 5-year limited parts warranty and 1-year limited labor warranty*

*See Commercial Warranty Certificate for complete information

High Temperature Chip Option

Increases the output temperature from 140° F max to 185° F max.



EZ-Link™ Cable

Connect two tankless water heaters together in a manifold

MIC-6 Manifold Control System

Connects up to 6 tankless water heaters together in a manifold

MIC-185 Manifold Control System

Manifold and control up to 6 tankless models

MICS-180 Manifold Controller Expansion Card

Add on to the MIC-185 for up to 20 units total

H95 and H84 High Efficiency Condensing Series

95 and 84 Mid-Efficiency Series

DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.	
MODEL NUMBER	GAS INPUT BTU/H	TYPE	TEMP. RANGE	MIN. FLOW/ ACTIVATION GPM	GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	MAX. GPM	CONNECTION		HEIGHT	WIDTH	DEPTH	VENT DIAM.	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	RECOVERY EFFICIENCY
								WATER	GAS							
RTGH-95DVLN	11,000-199,900	Indoor Direct Vent	85° to 185° F	0.26/.040	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	2” or 3” PVC 2-Pipe	82	.94	94%
RTGH-95XLN	11,000-199,900	Outdoor	85° to 185° F	0.26/.040	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.94	95%
RTGH-84DVLN	11,000-157,000	Indoor Direct Vent	85° to 185° F	0.26/.040	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	2” or 3” PVC 2-Pipe	82	.92	92%
RTGH-84XLN	11,000-157,000	Outdoor	85° to 185° F	0.26/.040	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.92	92%
RTG-95DVLN	11,000-199,900	Indoor Direct Vent	85° to 185° F	0.26/.040	4.3	7.4	9.5	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 Concentric	54	.82	84%
RTG-95XLN	11,000-199,900	Outdoor	85° to 185° F	0.26/.040	4.3	7.4	9.5	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%
RTG-84DVLN	11,000-180,000	Indoor Direct Vent	85° to 185° F	0.26/.040	3.9	6.7	8.4	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 Concentric	54	.82	84%
RTG-84XLN	11,000-180,000	Outdoor	85° to 185° F	0.26/.040	3.9	6.7	8.4	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%

KITS FOR HIGH VOLUME COMMERCIAL USE (140° TO 185° F)

H95 High-Efficiency
- **RTG20240A..... for H95DVLN**
- **RTG20240B.....for H95DVLP**
- **RTG20240C.....for H95XLN**
- **RTG20240D..... for H95XLP**

H84 High-Efficiency
- **RTG20241A..... for H84DVLN**
- **RTG20241B.....for H84DVLP**
- **RTG20241C..... for H84XLN**
- **RTG20241D..... for H84XLP**

95 Mid-Efficiency
- **RTG20236A..... for 95DVLN**
- **RTG20236B..... for 95DVLP**
- **RTG20236C.....for 95XLN**
- **RTG20236D.....for 95XLP**

84 Mid-Efficiency
- **RTG20237A..... for 84DVLN**
- **RTG20237B..... for 84DVLP**
- **RTG20237C.....for 84XLN**
- **RTG20237D.....for 84XLP**

Large Volume Custom Heavy Duty (EVR, EVS, EHS Series)

Features

- 150, 200, 250, 300, 400, 500, 600, 750, 1,000, 1,250, 1500, 2,000 and 2,500-Gallon storage capacities
- 144 kW through 900 kW
- 208, 240, 277, 380, 415, 480 and 600 Voltages
- Vertical round, vertical square and horizontal models
- Glass lined steel tank
- Incoloy™ heating elements
- Internal fusing (above 120 amps)
- Enamel finished galvanized steel jacket
- Magnesium anodes
- Immersion thermostat
- Manual reset high limit
- Full length hinged doors with key lock
- Terminal block connections
- ASME temperature and pressure relief valve
- Channel iron skid base (except 150 & 200-gallon round models)
- 180° F temperature operation
- 125 PSI working pressure
- Hand-hole sediment cleanout
- Safety drain pan (square models)
- Control voltage on/off switch with pilot light
- Low lead compliant

Optional Features

- Low water cut-off
- Pilot lights
- Manual limiting switches
- Alarm bell
- Shunt trip disconnect (field installed)
- Low or high water pressure switch
- And more!

Warranty

- 3-Year limited tank and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

- Vertical round models above 90 kW at 208V, 240V, or 380V and 162 kW at 415V, 480V or 600V exceed the capacity of a single control box and may require multiple control panels. Consult the factory for specific details and optional construction.
- Vertical square construction is available as an option for models that exceed the listed kW limits.
- Control panel heights on vertical round models may exceed tank height – consult factory for specific heights on models with inputs above 72 kW.

DIMENSIONAL INFORMATION (All dimensions shown in inches)									
MODEL NUMBER	GAL. CAP.	MAX. KW	HEIGHT	WIDTH	DEPTH	HEIGHT TO COLD INLET	WATER CONNECTION		APPROX. SHIP. WT. (LBS)
							INLET	OUTLET	
VERTICAL ROUND									
EVRO150	150	144	65-1/2	32	38-3/4	7-3/4	1-1/2	1-1/2	650
EVRO200	200	162	78	32	38-3/4	7-3/4	1-1/2	1-1/2	750
EVRO250	250	162	92	34	40-3/4	19-1/2	1-1/2	1-1/2	1,165
EVRO300	300	162	80	40	46-3/4	21	2	2	1,350
EVRO400	400	162	80	46	52-3/4	22-1/2	2	2	1,590
EVRO500	500	396	92	46	52-3/4	22-1/2	2	2	1,700
EVRO600	600	396	92	52	60-3/4	24-1/2	2-1/2	2-1/2	2,010
EVRO800	750	396	104	52	60-3/4	24-1/2	2-1/2	2-1/2	2,450
EVRO1000	950	396	128	52	60-3/4	24-1/2	2-1/2	2-1/2	3,160
VERTICAL SQUARE									
EVS1250	1,250	900	132-1/2	64-1/2	64-1/2	23-1/4	3	3	3,560
EVS1500	1,500	900	128-1/2	70-1/2	70-1/2	25-1/4	3	3	4,120
EVS2000	2,000	900	140-1/2	76-1/2	76-1/2	27-1/4”	3	3	4,350
EVS2500	2,500	900	146-1/2	82-1/2	82-1/2	29	3	3	5,750
HORIZONTAL									
EHS0150	150	144	37	68-1/2	34-1/4	12	2	2	1,180
EHS0200	200	180	37	78	34-1/4	12	2	2	1,370
EHS0250	250	225	39	90-1/4	36-1/4	13	2	2	1,450
EHS0300	300	270	45	78-1/4	42-1/4	14-3/4	2	2	1,530
EHS0400	400	360	52	78-1/4	48-1/4	16	2	2	1,750
EHS0500	500	450	52	90-3/4	48-1/4	16	2	2	1,860
EHS0600	600	540	58	90-3/4	54-1/4	13-1/2	2-1/2	2	2,340
EHS0800	750	720	58	102-1/4	54-1/4	13-/12	2-1/2	2	2,850
EHS1000	1,000	900	58	126-1/4	54-1/4	13-1/2	2-1/2	2	3,040
EHS1250	1,250	900	64	130-1/4	60-1/4	15	3	3	3,750
EHS1500	1,500	900	70	126-1/4	66-1/4	16	3	3	4,340
EHS2000	2,000	900	76	137-1/4	72-1/4	17-1/2	3	3	4,580
EHS2500	2,500	900	82	144-1/4	78-1/4	16-1/2	3	3	6,060

Heavy Duty (E, ES Series)

Features

- 98% Thermal efficiency
- 50 to 175-Gallon capacities
- Up to 438 gallons GPH at a 100 degree F rise
- 190° F Maximum delivered temperature for E series; 160° F for ES50; 180° F for ES85 and ES120 models
- Thick foam insulation for minimal standby heat loss
- 3 kW through 108 kW
- 208, 240 or 480 VAC in either single phase or 3-phase; 277 VAC single phase
- 2000, 3000, 4000, 4500, 5000 and 6000 in the four voltages; 9000 watt element at 480 VAC
- Available in 1, 3, 6, 9 or 12 element configurations for your specific kW application
- Elements are Lifeguard™ stainless steel, screw-in type that resist burn out and corrosion
- Temperature and pressure relief valve at top of 175-gallon model and side on all other models
- Water connections: hot and cold water inlets are 2-1/2" NPT dielectric nipples on the 175-gallon model and 1-1/2" on all other models
- Low lead compliant

Easy Installation & Service

- Control box is located at the front of unit for easy wiring during installation
  - Multiple knockout holes accommodate a variety of conduit sizes
- Exclusive! System Sentinal™ provides a diagnostic panel with LEDs that correspond to the number, location and status of each element
- Exclusive! Full-port, full-flow, brass drain valve for faster draining
- Minimum distance to combustible is zero inches from jacket and 18 inches from access door
- All models approved for installation on combustible flooring

Warranty

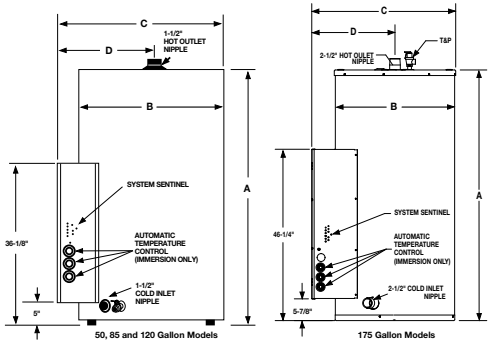
- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

In accordance with ANSI test procedures, these models tested below the maximum allowable standby loss levels of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy codes of all states including California Energy Commission (CEC).

(With Optional Seal Kit)

ELITEXPRESS 48 HOUR DELIVERY



MODEL NUMBERS

SURFACE MOUNTED THERMOSTATS TANK CAPACITY IN GALLONS			IMMERSION THERMOSTATS TANK CAPACITY IN GALLONS			
50	85	120	50	85	120	175
N/A	N/A	N/A	N/A	N/A	N/A	E175A-3-G
ES50-6-G	ES85-6-G	ES120-6-G	E50-6-G	E85-6-G	E120-6-G	E175A-6-G
ES50-9-G	ES85-9-G	ES120-9-G	E50-9-G	E85-9-G	E120-9-G	E175A-9-G
ES50-12-G	ES85-12-G	ES120-12-G	E50-12-G	E85-12-G	E120-12-G	E175A-12-G
ES50-15-G	ES85-15-G	ES120-15-G	E50-15-G	E85-15-G	E120-15-G	E175A-15-G
ES50-18-G	ES85-18-G	ES120-18-G	E50-18-G	E85-18-G	E120-18-G	E175A-18-G
ES50-24-G	ES85-24-G	ES120-24-G	E50-24-G	E85-24-G	E120-24-G	E175A-24-G
ES50-27-G	ES85-27-G	ES120-27-G	E50-27-G	E85-27-G	E120-27-G	E175A-27-G
ES50-30-G	ES85-30-G	ES120-30-G	E50-30-G	E85-30-G	E120-30-G	E175A-30-G
ES50-36-G	ES85-36-G	ES120-36-G	E50-36-G	E85-36-G	E120-36-G	E175A-36-G
ES50-45-G	ES85-45-G	ES120-45-G	E50-45-G	E85-45-G	E120-45-G	E175A-45-G
ES50-54-G	ES85-54-G	ES120-54-G	E50-54-G	E85-54-G	E120-54-G	E175A-54-G
N/A	N/A	N/A	N/A	N/A	N/A	E175A-60-G
N/A	N/A	N/A	N/A	N/A	N/A	E175A-72-G
N/A	N/A	N/A	N/A	E85A-81-GS	E120A-81-GS	E175A-81-G
N/A	N/A	N/A	N/A	N/A	N/A	E175A-108-G

RECOVERY CAPACITIES

INPUT KW	EQUIVALENT BTU/H	RECOVERY IN GALLONS/HR. (GPH) AT VARIOUS TEMPERATURE RISES					
		40° F	60° F	80° F	100° F	120° F	140° F
3	10,236	31	20	15	12	10	9
6	20,473	62	41	31	25	21	18
9	30,709	92	61	46	37	31	26
12	40,946	123	82	61	49	41	35
15	51,182	154	102	77	61	51	44
18	61,418	184	123	92	74	61	53
24	81,891	246	164	123	98	82	70
27	92,128	276	184	138	111	92	79
30	102,364	307	205	154	123	102	88
36	122,837	369	246	184	147	123	105
45	153,546	461	307	230	184	154	132
54	184,256	553	369	276	221	184	158
81	276,388	838	558	419	335	279	239
108	368,518	1116	744	558	446	372	320

ASME construction available only on Immersion Thermostat models. All models are North Carolina Code compliant.

Minimum distance to combustibles - 0" from jacket, 18" from access door. All models approved for installation on combustible flooring.

DIMENSIONAL INFORMATION (ALL DIMENSIONS SHOWN IN INCHES)

MODEL NUMBER	A	B	C	D	APPROX. SHIP. WT. (LBS)	
					STD.	ASME
E(S)50(A)	43-5/8	26-1/4	32	19	270	320
E(S)85(A)	57-11/16	28-1/4	34	20	350	380
E(S)120(A)	67-5/8	30-1/4	36	21	430	460
E175A	69-1/2	32-1/4	38-1/2	22-1/4	–	700

WATER TEMPERATURE RATINGS

MODEL NUMBER	THERMOSTAT TYPE	MIN. DELIVERED TEMP.	MAX. DELIVERED TEMP.	HIGH TEMP. LIMIT
ES50	SURFACE	90° F	160° F	180° F
ES85, ES120	SURFACE	120° F	180° F	190° F
E50, E85, E120	IMMERSION	90° F	190° F	200° F
E175A	IMMERSION	90° F	190° F	200° F

PowerPack Heavy and Medium Duty (E Series)

Features

- 98% Maximum recovery efficiency
- 13, 19.9, 30 and 40-Gallon capacities
- 3 kW through 36 kW
- 208, 240, 277 and 480 Voltages
- Field convertible
- Single phase and factory wired
- Lifeguard™ heating elements
- Immersion thermostat
- 3/4" Water connections
- 2-1/2" Rigid polyurethane foam insulation
- System Sentinel LED diagnostic system
- Integral fusing on each element
- Two anode rods for long life and corrosion resistance
- Full-port, full-flow brass drain valve
- Factory installed CSA/ASME rated temperature and pressure relief valve
- Low lead compliant
- Electrical connections: pre-wired, accessible control box with multiple knock-outs on side in size selections to match the National Electric Code
- Single panel control box with hinged door: provides immediate access to all electrical components and elements
- Terminal block: all models are equipped with U.L. listed terminal blocks
- All units are furnished with a fused 120 volt control circuit; this circuit is created by an internal multi-tap transformer that has four (4) taps for the primary voltages, 208, 240, 277 and 480

Warranty

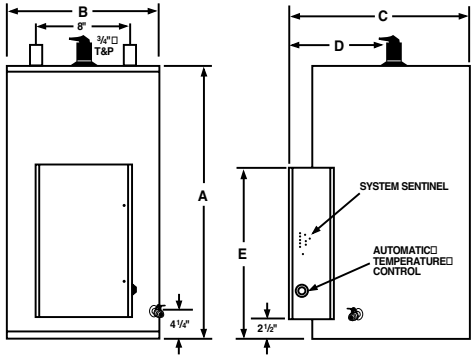
- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

In accordance with ANSI test procedures, these models tested below the maximum allowable standby loss levels of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy codes of all states including California Energy Commission (CEC).

(With Optional Seal Kit)

ELITEXPRESS 48 HOUR DELIVERY



MODEL NUMBERS

INPUT KW	IMMERSION THERMOSTATS TANK CAPACITY IN GALLONS			
	12	20	30	40
3	E12A-3-G	E20A-3-G	E30A-3-G	E40A-3-G
6	E12A-6-G	E20A-6-G	E30A-6-G	E40A-6-G
9	E12A-9-G	E20A-9-G	E30A-9-G	E40A-9-G
12	N/A	E20A-12-G	E30A-12-G	E40A-12-G
15	N/A	E20A-15-G	E30A-15-G	E40A-15-G
18	N/A	E20A-18-G	E30A-18-G	E40A-18-G
24	N/A	N/A	E30A-24-G	E40A-24-G
27	N/A	N/A	E30A-27-G	E40A-27-G
30	N/A	N/A	E30A-30-G	E40A-30-G
36	N/A	N/A	E30A-36-G	E40A-36-G

RECOVERY CAPACITIES

INPUT KW	EQUIVALENT BTU/H	RECOVERY IN GALLONS/HR. (GPH) AT VARIOUS TEMPERATURE RISES					
		40° F	60° F	80° F	100° F	120°F	140° F
3	10,236	31	21	16	12	10	9
6	20,473	62	41	31	25	21	18
9	30,709	93	62	47	37	31	27
12	40,946	124	83	62	50	41	35
15	51,183	155	103	78	62	52	44
18	61,420	186	124	93	74	62	53
24	81,893	248	165	124	99	83	71
27	92,129	279	186	140	112	93	80
30	102,366	310	207	155	124	103	89
36	122,839	372	248	186	149	124	106

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER	A	B	C	D	E	APPROX. SHIP. WT. (LBS)
E12A	28-1/2	19	24-1/4	14-3/4	26-1/4	135
E20A	36-1/2	19	24-1/4	14-3/4	26-1/4	160
E30A	49-1/4	19	24-1/4	14-3/4	32-1/2	192
E40A	53-3/4	21	26-3/4	16-1/2	32-1/2	228

All models are North Carolina and Massachusetts Code compliant.

WATER TEMPERATURE RATINGS

MODEL NUMBER	GALLON CAPACITY	THERMOSTAT TYPE	MIN. DELIVERED TEMP.	MAX. DELIVERED TEMP.	HIGH TEMP. LIMIT
E12A	13	IMMERSION	90°F	190° F	200° F
E20A	19.9	IMMERSION	90°F	190° F	200° F
E30A	30	IMMERSION	90°F	190° F	200° F
E40A	40	IMMERSION	90°F	190° F	200° F

Eclipse™ Non-Metallic Heavy and Medium Duty (ME Series)

Features

- 98% Thermal efficiency
- Foam insulated for reduced standby heat loss
- Recovery rate: Up to 99 gallons GPH at 100 degree rise
- 170° F Maximum temperature setting
- 85 and 105-Gallon capacities
- 12.4, 18 or 24 kW
- Voltage options: 208, 240, or 480 VAC in either single phase or 3-phase (277 VAC in single phase only)
- Element wattages: 3100, 4500 or 6000 in each of the four voltages. The elements are low watt density design (46, 67, 90 watts/sq. in.) with titanium sheath for superior protection
- Non-metallic tank – no anode rods required
- High density polyethylene dent and scratch resistant jacket
- System Sentinel LED indicators are provided for each element to show when power is on
- Four titanium elements for resistance to lime build-up
- Full-port, full-flow, brass drain valve for faster draining
- Temperature and pressure relief valve at top of unit
- Water connections at the top of the tank are 1" swivel nuts
- A nipple is installed on the outlet (1" x 3" long)
- The inlet has a vacuum valve connected with a 1 x 1 x 3/4 tee and a 1" close nipple to the swivel
- Low lead compliant

Easy Installation & Service

- Eclipse's lightweight tank is easier to maneuver and position
- Control circuit switch provided for dry fire protection during installation
- Bowl shaped tank bottom drains completely
- Recessed drain valve is out of the way of brooms and scrubbers

Warranty

- 10-Year limited tank warranty*

*See Commercial Warranty Certificate for complete information

In accordance with ANSI test procedures, these models tested below the maximum allowable standby loss levels of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy codes of all states including California Energy Commission (CEC).

MODEL NUMBERS

INPUT KW	SURFACE MOUNTED THERMOSTATS TANK CAPACITY IN GALLONS	
	85	105
12.4	ME85-12-G	ME105-12-G
18	ME85-18-G	ME105-18-G
24	ME85-24-G	ME105-24-G

RECOVERY CAPACITIES

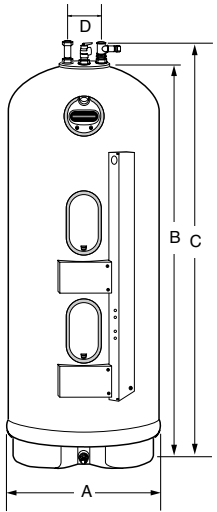
INPUT KW	EQUIVALENT BTU/H	RECOVERY IN GALLONS/HR. (GPH) AT VARIOUS TEMPERATURE RISES				
		40° F	60° F	80° F	100° F	120°F
12.4	42,309	126	84	63	50	42
18	61,420	186	124	93	74	62
24	81,893	248	165	124	99	83

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER	A	B	C	D	APPROX. SHIP. WT. (LBS)
ME85	28-1/4	66-1/4	70-1/4	4-1/2	170
ME105	30-1/4	66-1/2	70-3/4	4-1/2	185

WATER TEMPERATURE RATINGS

MODEL NUMBER	GALLON CAPACITY	THERMOSTAT TYPE	MIN. DELIVERED TEMP.	MAX. DELIVERED TEMP.
ME85	85	SURFACE	90° F	170° F
ME105	105	SURFACE	90° F	170° F



Booster Heavy and Medium Duty (E10 Series)

Features

- 98% Thermal efficiency
- 10-Gallon capacity
- 6 kW through 54 kW
- UL approved field change to simple phase
- Certified for 150 PSI maximum working pressure
- UL Sanitation (standard)
- Factory wired three phase
- System Sentinel LED diagnostic system
- All units are furnished with a fused 120 volt control circuit. All controls (thermostats, high temperature limit, etc.) are operated off of this basic 120 volt control circuit. This circuit is created by an internal multi-tap transformer of unique design that has four (4) taps for the primary voltages, 208, 240, 277 and 480
- Two heavy-duty anode rods help resist corrosion and extend tank life
- Factory installed T&P valve
- Immersion thermostats
- 6-Inch stainless steel legs
- Low lead compliant

Long Life Tank Design

- Proprietary steel formulation with a unique coat of high temperature porcelain enamel
- Maximizes corrosion resistance resulting in a superior tank design

Long Life Heating Elements

- Separate screw-in type elements feature a Nichrome wire filament, embedded in magnesium oxide sealed in a copper tube to resist water chemical corrosion…for long element life and a long life performance
- Elements are directly immersed in the water for maximum recovery efficiency (98%) and are easily changed by simply screwing new ones into the tank

Warranty

- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

*See Commercial Warranty Certificate for complete information

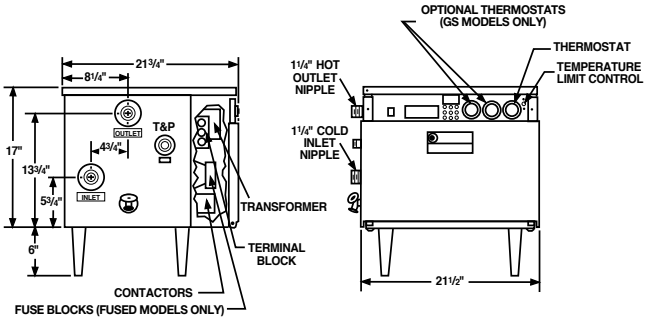
These models meet the energy efficiency levels of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC). All models are North Carolina Code compliant.

Specifically designed to support commercial dish washers.

RECOVERY CAPACITIES

MODEL NUMBER	INPUT KW	EQUIVALENT BTU/H	RECOVERY IN GALLONS/HR. (GPH) AT VARIOUS TEMPERATURE RISES					
			40° F	60° F	80° F	100° F	120°F	140° F
E10-6-G	6	20,473	62	41	31	25	21	18
E10-9-G	9	30,709	92	61	46	37	31	26
E10-12-G	12	40,946	123	82	61	49	41	35
E10-15-G	15	51,182	154	102	77	61	51	44
E10-18-G	18	61,418	184	123	92	74	61	53
E10-24-G	24	81,891	246	164	123	98	82	70
E10-27-G	27	92,128	276	184	138	111	92	79
E10-30-G	30	102,364	307	205	154	123	102	88
E10-36-G	36	122,837	369	246	184	147	123	105
E10-45-G	45	153,546	461	307	230	184	154	132
E10-54-G	54	184,256	553	369	276	221	184	158

Approximate Weight – 110 Lbs.



WATER TEMPERATURE RATINGS

GALLON CAPACITY	THERMOSTAT TYPE	MIN. DELIVERED TEMP.	MAX. DELIVERED TEMP.	HIGH TEMP. LIMIT
10	IMMERSION	90° F	190° F	200° F

Light Duty (ELD Series)

Features

- Up to .95 EF
- 30 to 120-Gallon capacities
- 170° F Maximum temperature setting for ELD30, 40 and 52 models; all other models have 180° F maximum temperature setting
- Short models available in 30, 40 and 50-gallon capacities
- 3 kW through 12 kW
- 208, 240, 277 and 480 Voltages
- Simultaneous and non-simultaneous wiring, single phase and three phase are available
- Heavy duty anode rod provides advanced technology and equalizes aggressive water action
- Factory installed brass drain valve for faster draining and servicing
- 2-1/2" of rigid polyurethane foam insulation provides superior insulating qualities resulting in reduced operating costs
- A surface mounted thermostat automatically cycles on and off to maintain the water temperature at a desired preset level
- Low lead compliant

Long Life Tank Design

- Proprietary steel formulation with a unique coat of high temperature porcelain enamel
- Maximizes corrosion resistance resulting in a superior tank design

Long Life Heating Elements

- Patented resistor elements are designed with a specially treated, double layer of magnesium oxide and copper to resist corrosion
- Replacement elements screw in easily

Warranty

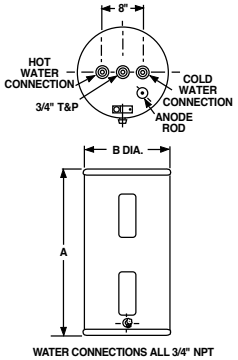
- 3-Year limited tank, upgradable to 5-years and 1-year limited parts warranty*

UL Approved Electric Conversion Kits

- An easy way to convert standard models to different wattages, volt or phase depending on installation requirements
- Designed for ELD(S) models in all gallon capacities
- All parts needed for the electric conversion are included in the kit
- Provides convenience for contractors, plumbers and installers which saves time and money

*See Commercial Warranty Certificate for complete information

Consult Factory for Certification Requirements.



ELECTRICAL CHARACTERISTICS AND CAPACITIES (NON-SIMULTANEOUS/SINGLE OR THREE PHASE OPERATION)

ELEMENT WATTAGE UPPER/LOWER	RECOVERY CAPACITIES GPH @ TEMPERATURE RISE OF					FULL LOAD CURRENT (AMPS) (ALL TERMINALS)			
	40° F	60° F	80° F	100° F	120° F	208	240	277	480
3000/3000	31	20	15	12	10	14.4	12.5	10.8	6.3
4000/4000	41	27	20	16	13	19.2	16.7	14.4	8.3
4500/4500	46	31	23	18	15	21.6	18.8	16.2	9.4
5000/5000	51	34	26	20	17	24	20.8	18.1	10.4
6000/6000	61	41	31	25	20	28.8	25	21.7	12.5

ELECTRICAL CHARACTERISTICS AND CAPACITIES (SIMULTANEOUS/THREE PHASE OPERATION)

ELEMENT WATTAGE UPPER/LOWER	RECOVERY CAPACITIES GPH @ TEMPERATURE RISE OF					FULL LOAD CURRENT (AMPS) (TERMINAL L3/TERMINALS L1 & L2)		
	40° F	60° F	80° F	100° F	120° F	208	240	480
3000/3000	61	41	31	24	20	25/14.4	21.7/12.5	10.8/6.3
4000/4000	81	54	41	32	27	33.3/19.2	28.9/16.7	14.4/8.3
4500/4500	91	61	45	37	31	37.5/21.6	32.5/18.8	16.2/9.4
5000/5000	102	68	51	41	34	41.6/24	36.1/20.8	18/10.4
6000/6000	122	81	61	49	41	50.0/28.8	43.3/25.0	21.7/12.5

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER	GALLON CAP.	A	B	APPROX. SHIP. WT. (LBS)
ELDS30	30	30	22-1/4	105
ELDS40	38	31-1/2	23	135
ELDS52	47	32	26-1/4	150
ELD30*	30	47-1/2	19-1/4	100
ELD40*	40	48-1/8	20-1/4	105
ELD52*	50	58-1/2	20-1/4	125
ELD66	65	59-3/8	22-1/2	169
ELD80	80	59-1/2	23-3/4	176
ELD120	119.9	62-17/8	28-1/4	330

*170° F Maximum temperature setting

Point-of-Use (EGSP Series)

Features
- 2-1/2, 6, 10, 15, 19.9 and 30-Gallon capacities
- 1440 Watts through 6,000 Watts
- 120, 208, 240, 277 and 480 Voltages
- Single phase only
- Premium grade anode rod provides advanced technology and equalizes aggressive water action
- Rigid polyurethane foam insulation provides superior insulating qualities resulting in reduced operating costs
- A surface mounted thermostat automatically cycles on and off to maintain the water temperature at a desired preset level
- 170 degrees Fahrenheit maximum temperature setting (except 2-1/2 gallon model)
- Temperature limiting control
- Temperature and pressure relief valve
- Low lead compliant

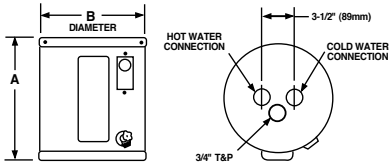
Long Life Tank Design
- Proprietary steel formulation with a unique coat of high temperature porcelain enamel
- Maximizes corrosion resistance resulting in a superior tank design

Long Life Heating Elements
- Patented resistor elements are designed with a specially treated, double layer of magnesium oxide and copper to resist corrosion

Warranty
- 3-Year limited tank warranty, upgradable to 5-years*

*See Commercial Warranty Certificate for complete information

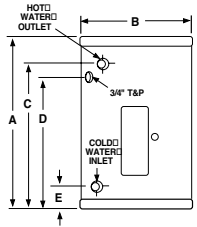
These models meet the minimum energy factor requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy codes of all states including California Energy Commission (CEC). All models are North Carolina and Massachusetts Code compliant.



Model:
EGSP2

Water Connections
1/2" NPT

UL Approved Electric Conversion Kits
- An easy way to convert standard models to different wattages, volt or phase depending on installation requirements
- Designed for EGSP models in all gallon capacities
- All parts needed for the electric conversion are included in the kit
- Provides convenience for contractors, plumbers and installers which saves time and money



Models:
EGSP6, EGSP10, EGSP15, EGSP20, EGSP30

Water Connections
3/4" NPT

DIMENSIONAL INFORMATION (All dimensions shown in inches)

MODEL NUMBER	MIN. WATTS	MAX. WATTS	GAL. CAP.	A	B	C	D	E	APPROX. SHIP. WT. (LBS)
EGSP2	1,440	1,500	2-1/2	14	9-3/4	—	—	—	18
EGSP6	1,500	6,000	6	15-1/8	15-3/4	12-5/8	11-5/8	4-1/4	41
EGSP10	1,500	6,000	10	22-7/8	15-3/4	20-3/8	19-3/8	4-1/4	53
EGSP15	1,500	6,000	15	24-1/4	17-3/4	21-7/8	19-3/8	4-5/8	65
EGSP20	1,500	6,000	19.9	25-1/8	19-3/4	22-5/8	19-5/8	5-1/8	76
EGSP30	1,500	6,000	30	32	22-1/4	23	23	3	115

Basic model numbers are listed. When ordering specify electrical input to determine specific model number:
Basic Model: EGSP6 Specified Input: 6,000 Watts Specified Model Number: EGSP6-6
Use CEGSP Prefix for Canadian Models.

WATER TEMPERATURE RATINGS

THERMOSTAT TYPE	MIN. DELIVERED TEMP.	MAX. DELIVERED TEMP.	HIGH TEMP. LIMIT
SURFACE	110° F	170° F	190° F

ELEMENT AVAIABILITY

WATTAGE	120 V	208 V	240 V	277 V	480 V
1,440	**Y	N/A	N/A	N/A	N/A
1,500	Y	Y	**Y	N/A	N/A
2,000	Y	Y	Y	Y	Y
2,500	Y	Y	Y	N/A	N/A
3,000	Y	Y	Y	Y	Y
4,500	N/A	Y	*Y	*Y	*Y
6,000	N/A	Y	Y	Y	Y

*Not available in EGSP6 & EGSP10
**EGSP2 available only in these configurations

ELECTRICAL CHARACTERISTICS

ELEMENT WATTAGE	FULL LOAD CURRENT IN AMPERES				
	120 V	208 V	240 V	277 V	480 V
1,440	12.0	N/A	N/A	N/A	N/A
1,500	12.5	7.2	6.3	N/A	N/A
2,000	16.7	9.6	8.3	7.2	4.2
2,500	20.8	12.0	10.4	N/A	N/A
3,000	25.0	14.4	12.5	10.8	6.3
4,500	N/A	21.6	18.8	16.2	9.4
6,000	N/A	28.8	25.0	21.7	12.5

ELECTRICAL CHARACTERISTICS

ELEMENT WATTAGE	TEMPERATURE RISE - DEGREES F - GALLONS PER HOUR					
	40° F	60° F	80° F	100° F	120° F	140° F
1,440	15	10	7	6	5	4
1,500	15	10	8	6	5	4
2,000	20	14	10	8	7	6
2,500	25	17	13	10	8	–
3,000	30	20	15	12	10	9
4,500	46	30	23	18	15	13
6,000	61	41	30	24	20	17

Storage Tanks (ST Series)

Features

- 80, 115 and 175-Gallon capacities
- Unique steel formulation with high temperature porcelain enamel maximizes corrosion resistance and results in a superior tank design
- Heavy duty magnesium anode rod(s) installed for longer life
- Rigid 2" polyurethane foam insulation provides superior insulating qualities and results in reduced operating costs
- Our patented process of injecting foam into the insulating cavity
  adds additional durability and toughness to the baked enamel steel outer jacket
- Circulating line connections and hot outlet are 2" NPT on the ST80 and ST120 and 2-1/2" NPT on the ST175
- Other openings are provided for relief valve and temperature control. ST175 equipped with a hand-hole cleanout
- All commercial storage tank models are certified to ASME boiler and pressure vessel code standards
- Low lead compliant

Warranty

- 5-Year limited tank warranty

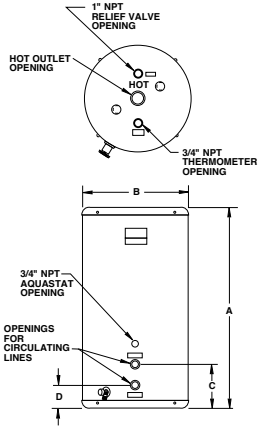
*See Commercial Warranty Certificate for complete information

These models exceed the minimum efficiency requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact).

Vertical models designed for applications that require large quantities of potable hot water in short periods of time.

ASME

TANK INFORMATION AND DIMENSIONAL INFORMATION (All dimensions shown in inches)											
MODEL NUMBER	GAL. CAP.	A	B	C	D	WATER CONNECTIONS		APPROX. SHIP. WT. (LBS)		MAX. WORKING PRESSURE	
						TOP OUTLET	FRONT SIDE	STANDARD	ASME	STANDARD	ASME
ST80(A)	80	58-5/16	24-3/16	13-3/16	6-3/16	2	2	220	260	150 PSI	125 PSI
ST120(A)	115	59-1/4	28-1/4	11-1/16	4-1/16	2	2	300	340	150 PSI	160 PSI
ST175(A)	175	67-1/4	32-1/4	12-9/16	5-9/16	2-1/2	2-1/2	600	600	150 PSI	150 PSI



Large Volume Storage Tanks (ST, STU Series)

Features

- 200, 260, 320, 430, 500, 750 and 950-Gallon capacities
- Unique steel formulation with high temperature porcelain enamel maximizes corrosion resistance and results in a superior tank design
- Heavy duty magnesium anode rod(s) installed for longer life
- Rigid 2” polyurethane foam insulation provides superior insulating qualities and results in reduced operating costs
- Our patented process of injecting foam into the insulating cavity adds additional durability and toughness to the baked enamel steel outer jacket
- Circulating line/cold inlet connections are 3” NPT (2-1/2” on 200 gallon) and hot outlet is 2”
- All commercial storage tank models are certified to ASME boiler and pressure vessel code standards
- Low lead compliant

Warranty

- 5-Year limited tank warranty*

*See Commercial Warranty Certificate for complete information

Jacketed models meet or exceed the minimum efficiency requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)

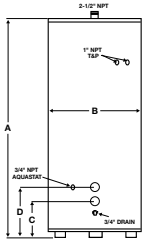
TANK INFORMATION		
MODEL NUMBER	GALLON CAPACITY	MAXIMUM WORKING PRESSURE ASME
ST(U)200A	200	150 PSI
ST(U)260A	257	125 PSI
ST(U)320A	318	125 PSI
ST(U)430A	432	125 PSI
ST(U)500A	504	125 PSI
ST(U)750A	752	125 PSI
ST(U)950A	940	125 PSI

ASME

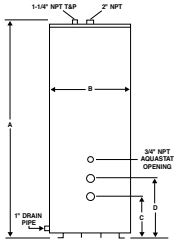
Jacketed and non-jacketd vertical models designed for applications that require large quantities of potable hot water in short periods of time.

DIMENSIONAL INFORMATION FOR VERTICAL ROUND JACKETED STORAGE TANKS (All dims. shown in inches)

MODEL NUMBER	A	B	C	D	WATER CONNECTIONS		APPROX. SHIP. WT. (LBS)
					TOP OUTLET	FRONT SIDE	
ST200A	79-1/2	34	13-3/16	18-3/16	2-1/2	2-1/2	872
ST260A	95-1/2	34	18	26	2	3	1108
ST320A	84-1/2	40	19-3/4	27-1/4	2	3	1290
ST430A	84-1/2	46	21	29	2	3	1626
ST500A	94-1/2	46	21	29	2	3	1765
ST750A	107-1/2	54	22-7/8	30-7/8	2	3	2330
ST950A	131-1/2	54	22-7/8	30-7/8	2	3	3010



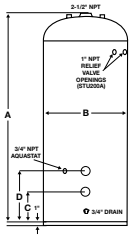
For model ST200A only.



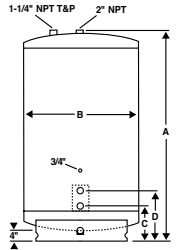
For ST260A, ST320A, ST430A, ST500A, ST750A and ST950A models.

DIMENSIONAL INFORMATION FOR VERTICAL BARE (NON-JACKETED) STORAGE TANKS (All dims. shown in inches)

MODEL NUMBER	A	B	C	D	WATER CONNECTIONS		APPROX. SHIP. WT. (LBS)
					TOP OUTLET	FRONT SIDE	
STU200A	75-3/4	30	10-15/16	18-7/16	2-1/2	2-1/2	488
STU260A	88	30	15-3/4	23-3/4	2	3	464
STU320A	76	36	17-3/8	25-3/8	2	3	574
STU430A	76	42	18-7/8	26-7/8	2	3	816
STU500A	88	42	18-7/8	26-7/8	2	3	925
STU750A	100	48	20-7/8	28-7/8	2	3	1387
STU950A	124	48	20-7/8	28-7/8	2	3	1651



For model STU200A only.



For STU260A, STU320A, STU430A, STU500A, STU750A and STU950A models.

CertiSpec Web

No downloading software! CertiSpec now has easy online access through the web.

New Features:
- Access through www.rheem.com
- Fuel cost calculator
- Link directly to Spec Sheets, Use & Care Manuals, Brochures and Revit Models

Computer Requirements:
- Internet connection required

American						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric											
CFG32-50T50-4NOV	50,000	50	n/a	22”	60-1/4”	**G50-65**	65,000	48	n/a	21-3/4”	62-1/2”
CG32-75T75-4NV	75,100	75	n/a	26”	63-1/2”	**G75-75N**	75,100	75	n/a	26-1/4”	64”
CG32-100T77-4NOV	75,100	98	n/a	26-1/2”	69-3/4”	**G100-80**	80,000	98	80%	28-1/4”	69-5/8”
Gas Tank Type – Atmospheric Dampered											
BCG3-70T120-5N	120,000	71	80%	27-3/4”	69-3/4”	**G75-125**	125,000	75	80%	26-1/4”	65-1/2”
BCG3-80T150-6N	154,000	81	80%	27-3/4”	73”	**G82-156**	156,000	82	80%	26-1/4”	68-13/16”
BCG3-80T180-6N	180,000	81	80%	27-3/4”	67-1/2”	**G76-180**	180,000	76	80%	26-1/4”	68-13/16”
BCG3-80T199-6N	199,000	81	80%	27-3/4”	67-1/2”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
BCG3-100T199-8N	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
BCG3-100T200-8N	199,000	100	80%	30-1/4”	72’	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
BCG3-100T250-8N	250,000	100	80%	30-1/4”	72”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
BCG3-65T250-8N	251,000	65	80%	27-3/4”	75”	**G72-250(A)**	250,000	72	80%	26-1/4”	71-1/16”
BCG3-100T275-8N	275,000	100	80%	30-1/4”	72”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
BCG3-65T300-8N	305,000	65	80%	27-3/4”	75”	**G72-300(A)**	300,000	72	80%	26-1/4”	71”
BCG3-85T360-8N	365,000	85	80%	27-3/4”	79-1/2”	**G65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
BCG3-100T390-8N	399,000	100	80%	30-1/4”	75-1/2”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
BCG3-85T500-8N	500,000	85	80%	27-3/4”	82-1/4”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
Gas Tank Type – Atmospheric, Low NOx Emission Compliant											
BCG3-70T120-6N0X	120,000	71	82%	27-3/4”	63”	**GN75-125**	125,000	75	80%	26-1/4”	65-1/2”
BCG3-80T150-6N0X	154,000	81	80%	27-3/4”	68”	**GN82-156**	156,000	82	80%	26-1/4”	68-13/16”
BCG3-100T180-6N0X	180,000	100	80%	27-3/4”	72”	**GN76-200**	199,900	76	80%	26-1/4”	68-13/16”

American						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric, Low NOx Emission Compliant Continued											
BCG3-95T199-6N0X	199,000	93	82%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
BCG3-100T199-6N0X	199,000	100	80%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
BCG3-100T200-6N0X	199,000	100	80%	27-3/4”	72”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
BCG3-100T250-6N0X	250,000	100	80%	27-3/4”	72”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
BCG3-100T275-6N0X	275,000	100	80%	27-3/4”	72”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
BCG3-85T366-6N0X	366,000	85	80%	27-3/4”	73”	**GN65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
BCG3-85T390-6N0X	390,000	85	80%	27-3/4”	73”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank Type – Atmospheric, Ultra Low NOx Emission Compliant											
BBCN3 75T75 NV	75,100	74	80%	25-1/4”	65-7/8”	**G75UN**	75,100	75	80%	26-1/4”	64-1/8”
BCN3 100T75NV	75,100	98	80%	27-3/4”	70-1/2”	**G100UN**	75,100	98	80%	27-1/8”	67-7/8”
BCL3-80T120-6NOX	120,000	81	82%	27-3/4”	68-1/4”	**GNU75-125**	125,000	75	80%	26-1/4”	65-1/2”
BCL3-80T154-6NOX	154,000	81	82%	27-3/4”	68-1/4”	**GNU82-156**	156,000	82	80%	26-1/4”	68-13/16”
BCL3-95T180-6NOX	180,000	93	82%	27-3/4”	76”	**GNU76-200**	199,900	76	80%	26-1/4”	68-13/16”
BCL3-95T199-6NOX	199,000	93	82%	27-3/4”	76”	**GNU91-200**	199,900	91	82%	26-1/4”	76-5/16”
(A)BCL3-95T250-6NOX	250,000	93	82%	27-3/4”	76”	**GNU100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
(A)BCL3-85T275-6NOX	275,000	85	82%	27-3/4”	76”	**GNU100-270(A)**	270,000	100	82%	30-1/4”	73-7/8”
(A)BCL3-85T366-6NOX	366,000	85	82%	27-3/4”	76”	**GNU65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
(A)BCL3-85T390-6NOX	399,000	85	82%	27-3/4”	76”	**GNU100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank Type – Power Vented											
PVCG32-75T75-3N	70,000	75	80%	26”	70-1/4”	**GPV75-75FV-2**	75,000	75	n/a	26-1/4”	72”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

American						Rheem-Ruud					
Model	Btu/h	Gal.	Efficiency*	Dia.	Height	Model	Btu/h	Gal.	Efficiency*	Dia.	Height
Gas Tank Type – Power Direct Vented, Fully Condensing, Stainless Steel Tank & Heat Exchanger											
PGC3 34-130-2NV	130,000	34	96%	22”	48-1/2”	**HE55-130**	130,000	55	95%	23-1/2”	52”
PGC3 34-150-2NV	150,000	34	95%	22”	48-1/2”	**HE55-160**	160,000	55	95%	23-1/2”	52”
PGC3 50-130-3NV	130,000	50	95%	22”	62-1/2”	**HE55-130**	130,000	55	95%	23-1/2”	52”
PGC3 50-150-3NV	150,000	50	95%	22”	62-1/2”	**HE55-160**	160,000	55	95%	23-1/2”	52”
PGC3 50-175-3NV	175,000	50	95%	22”	63-3/4”	**HE55-199**	199,000	55	95%	23-1/2”	52”
PGC3 50-199-3NV	199,000	50	95%	22”	63-3/4”	**HE55-199**	199,000	55	95%	23-1/2”	52”
Gas Tank Type – Power Direct Vented, Fully Condensing, Porcelain Coated Tank & Heat Exchange											
(A)HCG3-60T120-3N	120,000	60	95%	27-3/4”	55-1/2”	**HE55-130**	130,000	55	95%	23-1/2”	52”
(A)HCG3-100T150-3N	150,000	100	95%	27-3/4”	75-1/2”	**GHE100-160(A)**	160,000	100	95%	26-1/4”	78-3/4”
(A)HCG3-100T199-3N	199,000	100	95%	27-3/4”	75-1/2”	**GHE100-200(A)**	199,900	100	95%	26-1/4”	78-3/4”
(A)HCG3-100T250-3N	250,000	100	95%	27-3/4”	75-1/2”	**GHE100-250(A)**	250,000	100	93%	26-1/4”	78-3/4”
(A)HCG3-100T300-3N	300,000	130	96%	33-1/8”	75-1/2”	**GHE100-300(A)**	300,000	100	93%	26-1/4”	78-3/4”
(A)HCG3-100T400-3N	399,900	130	95%	33-1/8”	75-1/2”	**GHE100-400(A)**	400,000	100	92%	26-1/4”	78-3/4”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

American						Rheem-Ruud					
Model	Kw	Gal.	Efficiency**	Dia.	Height	Model	Kw	Gal.	Efficiency**	Dia.	Height
Electric Tank-Type – Point-of-Use											
LDCE31-06U	4.5 max	6	98%	14-1/4”	16-7/8”	**EGSP6**	6 max	6	98%	15-3/4”	15-1/8”
LDCE31-12U	5.5 max	12	98%	16”	22-3/4”	**EGSP10**	6 max	10	98%	15-3/4”	22-7/8”
LDCE31-19U	6 max	19	98%	18”	25”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”
Electric Tank-Type – Light Duty											
LDCE32-30L	12 max	30	98%	22”	29-1/2”	**ELDS30**	12 max	30	98%	22-1/4”	29-1/2”
LDCE32-40L	12 max	40	98%	24”	31-5/8”	**ELDS40**	12 max	40	98%	23”	31-1/2”
LDCE32-50L	12 max	50	98%	26”	31-5/8”	**ELDS52**	12 max	50	98%	26-1/4”	32-1/2”
LDCE32-30H	12 max	30	98%	18”	45-1/4”	**ELD30**	12 max	30	98%	17-3/4”	45-1/2”
LDCE32-40R	12 max	40	98%	20”	47-1/4”	**ELD40**	12 max	40	98%	22-1/4”	46-1/4”
LDCE32-50R	12 max	50	98%	22”	47-3/4”	**ELD52**	12 max	50	98%	22-1/4”	57”
LDCE32-65H	12 max	66	98%	22”	59-1/4”	**ELD66**	12 max	66	98%	23”	58-3/4”
LDCE32-80H	12 max	80	98%	24”	59-1/4”	**ELD80**	12 max	80	98%	24-1/2”	59”
LDCE32-119R	12 max	119	98%	28”	61-1/2”	**ELD120**	12 max	119	98%	28-1/4”	62-1/2”
Electric Tank-Type – Heavy Duty											
STCE/ITCE31-50	54 max	50	98%	21-3/4”	55-3/4”	**ES/E50**	54 max	50	98%	26-1/4”	43-5/8”
STCE/ITCE31-80	54 max	80	98%	25-1/2”	60-1/4”	**ES/E85**	81 max	85	98%	28-1/4”	57-11/16”
STCE/ITCE31-119	54 max	119	98%	29-1/2”	62-1/4”	**ES/E120**	81 max	119	98%	30-1/4”	67-5/8”

**Accepted heat transfer efficiency of immersion heating elements.

A. O. Smith						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric											
BT-65	65,000	65	n/a	24”	65”	**G65-65**	65,000	63	n/a	23”	65”
BT-80	75,000	75	n/a	26-1/2”	61-1/8”	**G75-75N**	75,100	75	n/a	26-1/4”	64”
BT-100	75,000	100	n/a	27-3/4”	68-5/8”	**G100-80**	80,000	98	80%	28-1/4”	69-5/8”
Gas Tank Type – Atmospheric Dampered											
BTR-120	120,000	71	80%	27-3/4”	69-3/4”	**G75-125**	125,000	75	80%	26-1/4”	65-1/2”
BTR-154	154,000	81	80%	27-3/4”	73”	**G82-156**	156,000	82	80%	26-1/4”	68-13/16”
BTR-180	180,000	81	80%	27-3/4”	67-1/2”	**G76-180**	180,000	76	80%	26-1/4”	68-13/16”
BTR-197	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
BTR-198	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
BTR-199	190,000	81	80%	27-3/4”	67-1/2”	**G76-200**	199,900	76	80%	26-1/4”	68-13/16”
BTR-200(A)	199,000	100	80%	30-1/4”	72’	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
BTR-201(A)	199,900	32	80%	27-3/4”	45”	**G37-200**	199,900	35	80%	26-1/4”	49-1/4”
BTR-250(A)	250,000	100	80%	30-1/4”	72”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
BTR-251(A)	251,000	65	80%	27-3/4”	75”	**G72-250(A)**	250,000	72	80%	26-1/4”	71-1/16”
BTR-275(A)	275,000	100	80%	30-1/4”	72”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
BTR-305(A)	305,000	65	80%	27-3/4”	75”	**G72-300(A)**	300,000	72	80%	26-1/4”	71”
BTR-365(A)	365,000	85	80%	27-3/4”	79-1/2”	**G65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
BTR-400(A)	399,000	100	80%	30-1/4”	75-1/2”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
BTR-500(A)	500,000	85	80%	27-3/4”	82-1/4”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
Gas Tank Type – Atmospheric, Low NOx Emission Compliant											
BTN-80	80,000	74	80%	25-3/8”	66-3/8”	**G75-75N**	75,100	75	n/a	26-1/4”	62”
BTN-100	90,000	98	80%	26-1/2”	71-1/4”	**G100-80N**	76,000	98	80%	28-1/4”	69-5/8”

A. O. Smith						Rheem-Ruud					
Model	Btu/h	Gal.	Efficiency*	Dia.	Height	Model	Btu/h	Gal.	Efficiency*	Dia.	Height
Gas Tank Type – Atmospheric, Low NOx Emission Compliant Continued											
BTN-120	120,000	71	80%	27-3/4”	63”	**GN75-125**	125,000	75	80%	26-1/4”	65-1/2”
BTN-154	154,000	81	80%	27-3/4”	68”	**GN82-156**	156,000	82	80%	26-1/4”	68-13/16”
BTN-180	180,000	99	80%	27-3/4”	72”	**GN76-200**	199,900	76	80%	26-1/4”	68-13/16”
BTN-199C	199,000	99	82%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
BTN-199	199,000	99	80%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
BTN-200(A)	199,000	100	80%	27-3/4”	72”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
BTN-250(A)	250,000	100	80%	27-3/4”	72”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
BTN-270(A)	275,000	100	80%	27-3/4”	72”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
BTN-366(A)	366,000	85	80%	27-3/4”	73”	**GN65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
BTN-400(A)	390,000	85	80%	27-3/4”	73”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank Type – Atmospheric, Ultra Low NOx Emission Compliant											
BLN-80	75,100	74	80%	25-1/4”	65-7/8”	**G75UN**	75,100	75	80%	26-1/4”	64-1/8”
BL-100	75,100	98	80%	27-3/4”	70-1/2”	**G100UN**	75,100	98	80%	27-1/8”	67-7/8”
BTL-120	120,000	81	82%	27-3/4”	68-1/4”	**GNU75-125**	125,000	75	80%	26-1/4”	65-1/2”
BTL-154	154,000	81	82%	27-3/4”	68-1/4”	**GNU82-156**	156,000	82	80%	26-1/4”	68-13/16”
BTL-180	180,000	93	82%	27-3/4”	76”	**GNU76-200**	199,900	76	80%	26-1/4”	68-13/16”
BTL-199	199,000	93	82%	27-3/4”	76”	**GNU91-200**	199,900	91	82%	26-1/4”	76-5/16”
BTL-250(A)	250,000	93	82%	27-3/4”	76”	**GNU100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
BTL-275(A)	275,000	85	82%	27-3/4”	76”	**GNU100-270(A)**	270,000	100	82%	30-1/4”	73-7/8”
BTL-366(A)	366,000	85	82%	27-3/4”	76”	**GNU65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
BTL-400(A)	399,000	85	82%	27-3/4”	76”	**GNU100-400(A)**	399,900	100	80%	30-1/4”	76”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

A. O. Smith						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank-Type – Power Direct Vented (2 pipe)											
BPD-75	70,000	75	n/a	26”	69-5/8”	**GPDV75-75**	75,100	75	n/a	26-1/2”	70-3/8”
Gas Tank-Type – Power Direct Vented, Fully Condensing											
BTX-100	100,000	50	95%	22”	66-3/4”	**HE55-100**	100,000	55	95%	23-1/2”	52”
BTH-120(A)	120,000	60	95%	27-3/4”	55-1/2”	**HE55-130**	130,000	55	95%	23-1/2”	52”
BTH-150(A)	150,000	100	95%	27-3/4”	75-1/2”	**GHE100-160(A)**	160,000	100	95%	26-1/4”	78-3/4”
BTH-199(A)	199,000	100	95%	27-3/4”	75-1/2”	**GHE100-200(A)**	199,900	100	95%	26-1/4”	78-3/4”
BTH-250(A)	250,000	100	95%	27-3/4”	75-1/2”	**GHE100-250(A)**	250,000	100	93%	26-1/4”	78-3/4”
BTH-300(A)	300,000	130	96%	33-1/8”	75-1/2”	**GHE100-300(A)**	300,000	100	93%	26-1/4”	78-3/4”
BTH-400(A)	399,900	130	95%	33-1/8”	75-1/2”	**GHE100-400(A)**	400,000	100	92%	26-1/4”	78-3/4”
BTH-500	499,900	130	95%	33-1/8”	75-1/2”	**GHE119-500**	500,000	119	93%	32”	78-1/2”
BTH-500A	499,900	130	95%	33-1/8”	75-1/2”	**GHE125-500A**	500,000	125	93%	32”	78-1/2”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

A. O. Smith						Rheem-Ruud					
Model	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**	**Model**	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**
Electric Tank-Type – Point-of-Use											
DEL-6 S	2.5 max	6	98%	14-1/4”	15-1/2”	**EGSP6**	6 max	6	98%	15-3/4”	15-1/8”
DEL-10 S	6 max	10	98%	18”	18-1/4”	**EGSP10**	6 max	10	98%	15-3/4”	22-7/8”
DEL-15 S	6 max	15	98%	18”	26”	**EGSP15**	6 max	15	98%	17-3/4”	24-1/4”
DEL-20 S	6 max	19.9	98%	21-3/4”	22-1/4”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”
Electric Tank-Type – Light Duty											
DEL-30 D	12 max	30	98%	21-3/4”	30-7/8”	**ELDS30**	12 max	30	98%	22-1/4”	29-1/2”
DEL-40 D	12 max	40	98%	24”	32-1/4”	**ELDS40**	12 max	40	98%	23”	31-1/2”

A. O. Smith						Rheem-Ruud					
Model	Kw	Gal.	Efficiency**	Dia.	Height	Model	Kw	Gal.	Efficiency**	Dia.	Height
Electric Tank-Type – Light Duty Continued											
DEL-52 D	12 max	50	98%	26-1/2”	32-1/4”	**ELDS52**	12 max	50	98%	26-1/4”	32-1/2”
DEN-30 D	12 max	30	98%	20-1/2”	34-1/2”	**ELD30**	12 max	30	98%	17-3/4”	45-1/2”
DEN-40 D	12 max	40	98%	20-1/2”	45-1/8”	**ELD40**	12 max	40	98%	22-1/4”	46-1/4”
DEN-52 D	12 max	50	98%	20-1/2”	54-7/8”	**ELD52**	12 max	50	98%	22-1/4”	57”
DEN-66 D	12 max	66	98%	21-3/4”	60-3/4”	**ELD66**	12 max	66	98%	23”	58-3/4”
DEN-80 D	12 max	80	98%	24”	59-3/8”	**ELD80**	12 max	80	98%	24-1/2”	59”
DEN-120 D	12 max	119	98%	29-3/8”	62-7/16”	**ELD120**	12 max	119	98%	28-1/4”	62-1/2”
Electric Tank-Type – Heavy Duty											
DRE/DVE-52	54 max	50	98%	21-3/4”	55-3/4”	**ES/E50**	54 max	50	98%	26-1/4”	43-5/8”
DRE/DVE-80	54 max	80	98%	25-1/2”	60-1/4”	**ES/E85**	81 max	85	98%	28-1/4”	57-11/16”
DRE/DVE-120	54 max	119	98%	29-1/2”	62-1/4”	**ES/E120**	81 max	119	98%	30-1/4”	67-5/8”
DSE-10	6 max	10	98%	18-3/4”	26-1/4”	**E12A**	9 max	13	98%	19”	28-1/2”
DSE-20	18 max	20	98%	20-1/2”	27-1/4”	**E20A**	18 max	20	98%	19”	36-1/2”
DSE-30	24 max	30	98%	20-1/2”	35-3/4”	**E30A**	36 max	30	98%	19”	49-1/4”
DSE-40	36 max	40	98%	20-1/2”	45-3/4”	**E40A**	36 max	40	98%	21”	53-3/4”
DSE-50	90 max	50	98%	20-1/2”	54-3/4”	**E50A**	54 max	50	98%	26-1/4”	43-5/8”
DSE-65	90 max	65	98%	26-1/2”	50-1/2”	**E85A**	81 max	85	98%	28-1/4”	57-11/16”
DSE-80	90 max	80	98%	28”	49-1/4”	**E85A**	81 max	85	98%	28-1/4”	57-11/16”
DSE-100	90 max	100	98%	28”	58-1/4”	**E120A**	81 max	119	98%	30-1/4”	67-5/8”
DSE-120	90 max	119	98%	30”	63-1/4”	**E120A**	81 max	119	98%	30-1/4”	67-5/8”
Electric Tank-Type – Dishwasher Booster											
CMC-5	54 max	5	98%	n/a	n/a	**E10**	54 max	10	98%	21-3/4”	23”
SU-20	54 max	20	98%	n/a	n/a	**E10**	54 max	10	98%	21-3/4”	23”

**Accepted heat transfer efficiency of immersion heating elements.

Bradford White						Rheem-Ruud					
Model	Btu/h	Gal.	Efficiency*	Dia.	Height	Model	Btu/h	Gal.	Efficiency*	Dia.	Height
Gas Tank Type – Atmospheric											
50T-65FB-3N	65,000	48	n/a	22”	59-1/4”	**G50-65**	65,000	48	n/a	21-3/4”	62-1/2”
65T-65FB-3N	65,000	65	n/a	24”	63”	**G65-65**	65,000	63	n/a	23”	65”
75T-80B-3N	76,000	75	80%	26”	62-3/8”	**G75-75N**	75,100	75	n/a	26-1/4”	64”
100T-88B-3N	88,000	100	80%	28-1/4”	69-1/8”	**G100-80**	80,000	98	80%	28-1/4”	69-5/8”
Gas Tank Type – Atmospheric Dampered											
D-75T-125-3N	125,000	75	80%	28-1/4”	72-1/4”	**G75-125**	125,000	75	80%	26-1/4”	65-1/2”
D-75T-160-3N	160,000	75	80%	28-1/4”	72-1/4”	**G82-156**	156,000	82	80%	26-1/4”	68-13/16”
D-80T-180-3N	180,000	80	80%	28-1/4”	71-7/8”	**G76-180**	180,000	76	80%	26-1/4”	68-13/16”
D-100T-199-3N	199,999	98	80%	28-1/4”	83-3/8”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
D-80T-199-3N	199,999	80	80%	28-1/4”	71-7/8”	**G76-200**	199,900	76	80%	26-1/4”	68-13/16”
D-100S-199-3N	199,999	100	80%	30-1/4”	76-3/4”	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
D-100L-199-3N	199,999	100	80%	30-1/4”	75”	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
D-38T-155-3N	155,000	38	80%	28-1/4”	51”	**G37-200**	199,900	35	80%	26-1/4”	49-1/4”
D-100S-250-3N(A)	250,000	100	80%	30-1/4”	76-3/4”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
D-100L-250-3N(A)	250,000	100	80%	30-1/4”	75”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
D-80T-250-3N(A)	250,000	80	80%	28-1/4”	71-7/8”	**G72-250(A)**	250,000	72	80%	26-1/4”	71-1/16”
D-100S-270-3N(A)	270,000	100	80%	30-1/4”	74-1/4”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
D-100L-270-3N(A)	270,000	100	80%	30-1/4”	75”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
D-75T-300-3N(A)	300,000	75	80%	28-1/4”	74-3/8”	**G72-300(A)**	300,000	72	80%	26-1/4”	71”
D-100L-300-3N(A)	300,000	100	80%	30-1/4”	75-3/8”	**G100-310(A)**	310,000	100	80%	26-1/4”	75”
D-65T-370-3N(A)	370,000	65	80%	28-1/4”	73-1/4”	**G65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
D-65T-399-3N(A)	399,999	65	80%	28-1/4”	73-1/4”	**G65-399(A)**	399,900	65	80%	26-1/4”	70-11/16”

Bradford White						Rheem-Ruud					
Model	Btu/h	Gal.	Efficiency*	Dia.	Height	Model	Btu/h	Gal.	Efficiency*	Dia.	Height
Gas Tank Type – Atmospheric Dampered Continued											
D-80S-399-3N(A)	399,999	80	80%	30-1/4”	77-1/4”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
D-80L-399-3N(A)	399,999	80	80%	30-1/4”	71-1/2”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
D-80T-425-3N(A)	425,000	80	80%	28-1/4”	82-3/4”	**G85-400(A)**	399,900	85	80%	26-1/4”	78-13/16”
D-80L-450-3N(A)	450,000	80	80%	30-1/4”	69”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
D-80T-505-3N(A)	505,000	80	80%	28-1/4”	82-3/4”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
D-80L-505-3N(A)	505,000	80	80%	30-1/4”	69”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
Gas Tank Type – Atmospheric, Low NOx Emission Compliant											
75T-80B-3N	76,000	75	80%	26”	62-3/8”	**G75-75N**	75,100	75	n/a	26-1/4”	62”
100T-88B-3N	88,000	100	80%	28-1/4”	69-1/8”	**G100-80N**	76,000	98	80%	28-1/4”	69-5/8”
D-75T-125E-3N	125,000	75	80%	28-1/4”	72-1/4”	**GN75-125**	125,000	75	80%	26-1/4”	65-1/2”
D-75T-160E-3N	160,000	75	80%	28-1/4”	72-1/4”	**GN82-156**	156,000	82	80%	26-1/4”	68-13/16”
D-80T-199E-3N	199,999	80	80%	28-1/4”	71-7/8”	**GN76-200**	199,900	76	80%	26-1/4”	68-13/16”
D100T-199E-3N	199,999	98	80%	28-1/4”	83-3/8”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
D-100S-199E-3N	199,999	100	80%	30-1/4”	76-3/4”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
D-100L-199E-3N	199,999	100	80%	30-1/4”	75”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
D-100S-250E-3N(A)	250,000	100	80%	30-1/4”	76-3/4”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
D-100L-250E-3N(A)	250,000	100	80%	30-1/4”	75”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
D-100S-270E-3N(A)	270,000	100	80%	30-1/4”	74-1/4”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
D-100L-270E-3N(A)	270,000	100	80%	30-1/4”	75”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
D-65T-370E-3N(A)	370,000	65	80%	28-1/4”	73-1/4”	**GN65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
D-80S-399E-3N(A)	399,999	80	80%	30-1/4”	77-1/4”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”
D-80L-399E-3N(A)	399,999	80	80%	30-1/4”	71-1/2”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

Bradford White						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric, Ultra Low NOx Emission Compliant											
U-75T-80R-3N	76,000	75	80%	26”	64-1/8”	**G75UN**	75,100	75	80%	26-1/4”	64-1/8”
U-100T-88R-3N	85,000	100	80%	28-1/4”	69-13/16”	**G100UN**	75,100	98	80%	27-1/8”	67-7/8”
U-65L-155E-3N	155,000	65	84%	28-1/4”	56”	**GNU82-156**	156,000	82	80%	26-1/4”	68-13/16”
U-65L-199E-3N	199,999	65	84%	28-1/4”	56”	**GNU76-200**	199,900	76	80%	26-1/4”	68-13/16”
U-100L-199E-3N	199,999	100	84%	28-1/4”	56”	**GNU100-200(A)**	199,900	100	82%	30-1/4”	73-1/16”
U-100L-270E-3N	270,000	100	84%	28-1/4”	56”	**GNU100-270(A)**	270,000	100	82%	30-1/4”	73-7/8”
U-100L-399E-3N	399,999	100	84%	28-1/4”	62-3/4”	**GNU100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank-Type – Power Direct Vented, Fully Condensing											
EF-60T-125E-3N(A)	125,000	60	96%	28-1/4”	57”	**GHE80-130(A)**	130,000	80	97%	26-1/4”	69-5/8”
EF-60T-150E-3N(A)	150,000	60	93%	28-1/4”	57”	**GHE80-150(A)**	150,000	80	94%	26-1/4”	69-5/8”
EF-60T-199E-3N(A)	199,999	60	92%	28-1/4”	57”	**GHE80-200(A)**	199,000	80	94%	26-1/4”	69-5/8”
EF-100T-150E-3N(A)	150,000	100	99.1%	28-1/4”	77-5/8”	**GHE100-160(A)**	160,000	100	95%	26-1/4”	78-3/4”
EF-1000T-199E-3N(A)	199,999	100	98.5%	28-1/4”	77-5/8”	**GHE100-200(A)**	199,000	100	95%	26-1/4”	78-3/4”
EF-1000T-250E-3N(A)	250,000	100	97%	28-1/4”	77-5/8”	**GHE100-250(A)**	250,000	100	93%	26-1/4”	78-3/4”
EF-1000T-300E-3N(A)	300,000	100	92%	28-1/4”	77-5/8”	**GHE100-300(A)**	300,000	100	93%	26-1/4”	78-3/4”
Gas Tank Type – Power Vented											
TW4-75S-76FB-3N	75	76,000	80%	26”	68-1/8”	**GPV75-75FV-2**	75,000	75	n/a	26-1/4”	72”
Gas Tank-Type – Power Direct Vented (2 pipe)											
PDX-50S-60FB-3N	48	60,000	n/a	22”	68”	**GPDV50-65**	65,000	50	n/a	21-3/4”	67-5/8”
PDX-65S-65FB-3N	65	65,000	n/a	24”	71-1/4”	**GPDV65-65**	65,000	65	n/a	23”	71-1/4”
PDX-75S-75FB-3N	75	70,000	n/a	26”	71”	**GPDV75-75**	75,100	75	80%	26-1/2”	70-3/8”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

Bradford White						Rheem-Ruud					
Model	Kw	Gal.	Efficiency**	Dia.	Height	Model	Kw	Gal.	Efficiency**	Dia.	Height
Electric Tank-Type – Point-of-Use											
LD-6U3-1	6 MAX	6	98%	14”	16-1/2”	**EGSP6**	6 max	6	98%	15-3/4”	15-1/8”
LD-10U3-1	6 MAX	10	98%	16”	17-1/2”	**EGSP10**	6 max	10	98%	15-3/4”	22-7/8”
LD-15U3-1	6 MAX	15	98%	18”	20-1/4”	**EGSP15**	6 max	15	98%	17-3/4”	24-1/4”
LD-20U3-1	6 MAX	19	98%	18”	24-3/4”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”
LD-30U3-1	6 MAX	30	98%	22”	30”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”
Electric Tank-Type – Light Duty											
LD-30L3-3	12 max	30	98%	20”	30”	**ELDS30**	12 max	30	98%	22-1/4”	29-1/2”
LD-40L3-3	12 max	40	98%	22”	31-1/4”	**ELDS40**	12 max	40	98%	23”	31-1/2”
LD-50L3-3	12 max	50	98%	24”	31-3/4”	**ELDS52**	12 max	50	98%	26-1/4”	32-1/2”
LD-30R3-3	12 max	30	98%	18”	46-1/2”	**ELD30**	12 max	30	98%	17-3/4”	45-1/2”
LD-40R3-3	12 max	40	98%	20”	46-7/8”	**ELD40**	12 max	40	98%	22-1/4”	46-1/4”
LD-50R3-3	12 max	50	98%	22”	46-1/2”	**ELD52**	12 max	50	98%	22-1/4”	57”
LD-65R3-3	12 max	65	98%	22”	59-1/4”	**ELD66**	12 max	66	98%	23”	58-3/4”
LD-80R3-3	12 max	80	98%	24”	59-1/4”	**ELD80**	12 max	80	98%	24-1/2”	59”
LD-120R3-3	12 max	119	98%	28”	62-1/4”	**ELD120**	12 max	119	98%	28-1/4”	62-1/2”

Bradford White						Rheem-Ruud					
Model	Kw	Gal.	Efficiency**	Dia.	Height	Model	Kw	Gal.	Efficiency**	Dia.	Height
Electric Tank-Type – Heavy Duty											
M-II-50-xx-3SF/CF	54 max	50	98%	24”	47-3/4”	**ES/E50**	54 max	50	98%	26-1/4”	43-5/8”
M-II-80-xx-3SF/CF	54 max	80	98%	26”	60-1/4”	**ES/E85**	81 max	85	98%	28-1/4”	57-11/16”
M-II-120-xx-3SF/CF	54 max	119	98%	30-1/4”	64-1/2”	**ES/E120**	81 max	119	98%	30-1/4”	67-5/8”
12A-x-3	9 max	12	98%	16”	28”	**E12A**	9 max	13	98%	19”	28-1/2”
20A-xx-3	18 max	20	98%	20”	27-1/2”	**E20A**	18 max	20	98%	19”	36-1/2”
30A-xx-3	36 max	30	98%	20”	38”	**E30A**	36 max	30	98%	19”	49-1/4”
40A-xx-3	36 max	40	98%	20”	48-1/4”	**E40A**	36 max	40	98%	21”	53-3/4”
50A-xx-3	81 max	50	98%	24”	47-3/4”	**E50A**	54 max	50	98%	26-1/4”	43-5/8”
80A-xx-3	81 max	80	98%	26”	60-1/4”	**E85A**	81 max	85	98%	28-1/4”	57-11/16”
120A-xx-3	81 max	119	98%	30-1/4”	64-1/2”	**E120A**	81 max	119	98%	30-1/4”	67-5/8”
Electric Tank-Type – Dishwasher Booster											
L-I-6-xx-5CF	57 max	6	98%	n/a	n/a	**E10**	54 max	10	98%	21-3/4”	23”

**Accepted heat transfer efficiency of immersion heating elements.

Lochinvar						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric											
CGN065 065	65,000	65	n/a	24”	65”	**G50-65**	65,000	48	n/a	21-3/4”	62-1/2”
CGN075 075	75,000	75	n/a	26-1/2”	61”	**G75-75N**	75,100	75	n/a	26-1/4”	64”
CGN075 100	75,000	100	n/a	27-3/4”	68-1/2”	**G100-80**	80,000	98	80%	28-1/4”	69-5/8”
Gas Tank Type – Atmospheric Dampered											
CGN120 070	120,000	71	80%	27-3/4”	69-3/4”	**G75-125**	125,000	75	80%	26-1/4”	65-1/2”
CGN150 080	154,000	81	80%	27-3/4”	73”	**G82-156**	156,000	82	80%	26-1/4”	68-13/16”
CGN180 080	180,000	81	80%	27-3/4”	67-1/2”	**G76-180**	180,000	76	80%	26-1/4”	68-13/16”
CGN200 032	199,000	32	80%	27-3/4”	45”	**G37-200**	199,900	35	80%	26-1/4”	49-1/4”
CGN200 080	199,000	81	80%	27-3/4”	67-1/2”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
CGN200 100	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
CGN199 100 (A)	199,000	100	80%	30-1/4”	72’	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
CGN250 100 (A)	250,000	100	80%	30-1/4”	72”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
CGN250 065 (A)	251,000	65	80%	27-3/4”	75”	**G72-250(A)**	250,000	72	80%	26-1/4”	71-1/16”
CGN275 100 (A)	275,000	100	80%	30-1/4”	72”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
CGN305 065 (A)	305,000	65	80%	27-3/4”	75”	**G72-300(A)**	300,000	72	80%	26-1/4”	71”
CGN365 085 (A)	365,000	85	80%	27-3/4”	79-1/2”	**G65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
CGN400 100 (A)	399,000	100	80%	30-1/4”	75-1/2”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
CGN500 100 (A)	500,000	85	80%	27-3/4”	82-1/4”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
Gas Tank Type – Atmospheric, Low NOx Emission Compliant											
CXN120 070	120,000	71	82%	27-3/4”	63”	**GN75-125**	125,000	75	80%	26-1/4”	65-1/2”
CXN155 080	154,000	81	80%	27-3/4”	68”	**GN82-156**	156,000	82	80%	26-1/4”	68-13/16”
CXN180 100	180,000	100	80%	27-3/4”	72”	**GN76-200**	199,900	76	80%	26-1/4”	68-13/16”
CXN199 100 (A)	199,000	100	80%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
CXN250 100 (A)	250,000	100	80%	27-3/4”	72”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”

Lochinvar						Rheem-Ruud					
Model	Btu/h	Gal.	Efficiency*	Dia.	Height	Model	Btu/h	Gal.	Efficiency*	Dia.	Height
Gas Tank Type – Atmospheric, Low NOx Emission Compliant Continued											
CXN275 100 (A)	275,000	100	80%	27-3/4”	72”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
CXN365 085 (A)	366,000	85	80%	27-3/4”	73”	**GN65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
CXN400 085 (A)	390,000	85	80%	27-3/4”	73”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank Type – Atmospheric, Ultra Low NOx Emission Compliant											
UTN100 75	75,100	98	80%	27-3/4”	70-1/2”	**G100UN**	75,100	98	80%	27-1/8”	67-7/8”
CLN120 080	120,000	81	82%	27-3/4”	68-1/4”	**GNU75-125**	125,000	75	80%	26-1/4”	65-1/2”
CLN155 080	154,000	81	82%	27-3/4”	68-1/4”	**GNU82-156**	156,000	82	80%	26-1/4”	68-13/16”
CLN180 100	180,000	93	82%	27-3/4”	76”	**GNU76-200**	199,900	76	80%	26-1/4”	68-13/16”
CLN199 100	199,000	93	82%	27-3/4”	76”	**GNU91-200**	199,900	91	82%	26-1/4”	76-5/16”
CLN250 100(A)	250,000	93	82%	27-3/4”	76”	**GNU100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
CLN275 085(A)	275,000	85	82%	27-3/4”	76”	**GNU100-270(A)**	270,000	100	82%	30-1/4”	73-7/8”
CLN366 085(A)	366,000	85	82%	27-3/4”	76”	**GNU65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
CLN400 085(A)	399,000	85	82%	27-3/4”	76”	**GNU100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank-Type – Power Direct Vented, Fully Condensing, Porcelain Coated Tank & External Heat Exchanger											
SNR125-065	125,000	65	96%	28”	60-1/4”	**GHE80-130(A)**	130,000	80	97%	26-1/4”	69-5/8”
SNR/SNA151-100	150,000	90	96%	28”	75-1/2”	**GHE100-160(A)**	160,000	100	95%	26-1/4”	78-3/4”
SNR/SNA201-100	199,999	90	96%	28”	75-1/2”	**GHE100-200(A)**	199,900	100	95%	26-1/4”	78-3/4”
SNA286-125	285,000	120	96%	34”	75-1/2”	**GHE100-300(A)**	300,000	100	93%	26-1/4”	78-3/4”
SNA401-125	399,999	120	96%	34”	75-1/2”	**GHE100-400(A)**	300,000	100	92%	26-1/4”	78-3/4”
SNA501-125	500,000	120	96%	34”	75-1/2”	**GHE125-500A**	500,000	125	93%	32”	78-1/2”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

Lochinvar						Rheem-Ruud					
Model	Kw	Gal.	Efficiency**	Dia.	Height	Model	Kw	Gal.	Efficiency**	Dia.	Height
Electric Tank-Type – Point-of-Use											
EJW006FS	2.5 max	6	98%	14-1/4”	15-1/2”	**EGSP6**	6 max	6	98%	15-3/4”	15-1/8”
EJW010FS	6 max	10	98%	18”	18-1/4”	**EGSP10**	6 max	10	98%	15-3/4”	22-7/8”
EJW015FS	6 max	15	98%	18”	26”	**EGSP15**	6 max	15	98%	24-1/4”	17-3/4”
EJW020FS	6 max	19	98%	21-3/4”	22-1/4”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”
Electric Tank-Type – Light Duty											
ESX 030KD	12 max	30	98%	21-3/4”	31”	**ELDS30**	12 max	30	98%	22-1/4”	29-1/2”
ESX 040KD	12 max	40	98%	24”	32-1/4”	**ELDS40**	12 max	40	98%	23”	31-1/2”
ESX 050KD	12 max	50	98%	26-1/2”	32-1/4”	**ELDS52**	12 max	50	98%	26-1/4”	32-1/2”
ETX 030KD	12 max	30	98%	20-1/2”	34-1/2”	**ELD30**	12 max	30	98%	17-3/4”	45-1/2”
ETX 040KD	12 max	40	98%	20-1/2”	45-1/4”	**ELD40**	12 max	40	98%	22-1/4”	46-1/4”
ETX 050KD	12 max	50	98%	20-1/2”	55”	**ELD52**	12 max	50	98%	22-1/4”	57”
ETX 0650KD	12 max	66	98%	21-3/4”	60-3/4”	**ELD66**	12 max	66	98%	23”	58-3/4”
ETX 080KD	12 max	80	98%	24”	59-1/2”	**ELD80**	12 max	80	98%	24-1/2”	59”
ETX 120KD	12 max	119	98%	29-1/2”	62-1/2”	**ELD120**	12 max	119	98%	28-1/4”	62-1/2”
Electric Tank-Type – Heavy Duty											
HS/HC 050	54 max	50	98%	21-3/4”	55-3/4”	**ES/E50**	54 max	50	98%	26-1/4”	43-5/8”
HS/HC 080	54 max	80	98%	25-1/2”	60-1/4”	**ES/E85**	81 max	85	98%	28-1/4”	57-11/16”
HS/HC 119	54 max	119	98%	29-1/2”	62-1/4”	**ES/E120**	81 max	119	98%	30-1/4”	67-5/8”

**Accepted heat transfer efficiency of immersion heating elements.

State						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric											
SBS65 65NE	65,000	65	n/a	24”	65”	**G65-65**	65,000	63	n/a	23”	65”
SBS75 76NE	75,000	75	n/a	26-1/2”	61-1/8”	**G75-75N**	75,100	75	n/a	26-1/4”	64”
SBS100 76NE	75,000	100	n/a	27-3/4”	68-5/8”	**G100-80**	80,000	98	80%	28-1/4”	69-5/8”
Gas Tank Type – Atmospheric Dampered											
SBD71 120NE	120,000	71	80%	27-3/4”	69-3/4”	**G75-125**	125,000	75	80%	26-1/4”	65-1/2”
SBD81 154NE	154,000	81	80%	27-3/4”	73”	**G82-156**	156,000	82	80%	26-1/4”	68-13/16”
SBD81 180NE	180,000	81	80%	27-3/4”	67-1/2”	**G76-180**	180,000	76	80%	26-1/4”	68-13/16”
SBD100 199NET	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
SBD100 199NE	199,000	100	80%	27-3/4”	75”	**G91-200**	199,900	91	80%	26-1/4”	76-5/8”
SBD81 199NE	190,000	81	80%	27-3/4”	67-1/2”	**G76-200**	199,900	76	80%	26-1/4”	68-13/16”
SBD100 199NES (A)	199,000	100	80%	30-1/4”	72’	**G100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
SBD100 250NE (A)	250,000	100	80%	30-1/4”	72”	**G100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
SBD65 251NE (A)	251,000	65	80%	27-3/4”	75”	**G72-250(A)**	250,000	72	80%	26-1/4”	71-1/16”
SBD100 275NE (A)	275,000	100	80%	30-1/4”	72”	**G100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
SBD65 305NE (A)	305,000	65	80%	27-3/4”	75”	**G72-300(A)**	300,000	72	80%	26-1/4”	71”
SBD85 365NE (A)	365,000	85	80%	27-3/4”	79-1/2”	**G65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
SBD100 390NE (A)	399,000	100	80%	30-1/4”	75-1/2”	**G100-400(A)**	399,900	100	80%	30-1/4”	76”
SBD85 500NE (A)	500,000	85	80%	27-3/4”	82-1/4”	**GX90-550(A)**	550,000	90	80%	30”	74-1/2”
Gas Tank Type – Atmospheric, Low NOx Emission Compliant											
SBS75 76NE	75,000	75	n/a	26-1/2”	61-1/8”	**G75-75N**	75,100	75	n/a	26-1/4”	62”
SBS100 76NE	75,000	100	n/a	27-3/4”	68-5/8”	**G100-80N**	76,000	98	80%	28-1/4”	69-5/8”
SBN71 120NE	120,000	71	80%	27-3/4”	63”	**GN75-125**	125,000	75	80%	26-1/4”	65-1/2”

State						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank Type – Atmospheric, Low NOx Emission Compliant Continued											
SBN81 154NE	154,000	81	80%	27-3/4”	68”	**GN82-156**	156,000	82	80%	26-1/4”	68-13/16”
SBN100 180NE	180,000	100	80%	27-3/4”	72”	**GN76-200**	199,900	76	80%	26-1/4”	68-13/16”
SBN95 199NE	199,000	93	82%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
SBN100 199NE	199,000	100	80%	27-3/4”	72”	**GN91-200**	199,900	91	80%	26-1/4”	76-5/16”
SBN100 199NES (A)	199,000	100	80%	27-3/4”	72”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
SBN100 200NES (A)	199,000	100	80%	30-1/4	72”	**GN100-200(A)**	199,900	100	80%	30-1/4”	73-1/16”
SBN100 250NE (A)	250,000	100	80%	27-3/4”	72”	**GN100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
SBN100 275NE (A)	275,000	100	80%	27-3/4”	72”	**GN100-270(A)**	270,000	100	80%	30-1/4”	73-7/8”
SBN85 366NE (A)	366,000	85	80%	27-3/4”	73”	**GN65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
SBN85 390NE (A)	390,000	85	80%	27-3/4”	73”	**GN100-400(A)**	399,900	100	80%	30-1/4”	76”
Gas Tank Type – Atmospheric, Ultra Low NOx Emission Compliant											
SBB75 76NE	75,100	74	80%	25-1/4”	65-7/8”	**G75UN**	75,100	75	80%	26-1/4”	64-1/8”
SBL100 76NE	75,100	98	80%	27-3/4”	70-1/2”	**G100UN**	75,100	98	80%	27-1/8”	67-7/8”
SBL81 120NE	120,000	81	82%	27-3/4”	68-1/4”	**GNU75-125**	125,000	75	80%	26-1/4”	65-1/2”
SBL81 154NE	154,000	81	82%	27-3/4”	68-1/4”	**GNU82-156**	156,000	82	80%	26-1/4”	68-13/16”
SBL95 180NE	180,000	93	82%	27-3/4”	76”	**GNU76-200**	199,900	76	80%	26-1/4”	68-13/16”
SBL95 199NE	199,000	93	82%	27-3/4”	76”	**GNU91-200**	199,900	91	82%	26-1/4”	76-5/16”
SBL95 250NE(A)	250,000	93	82%	27-3/4”	76”	**GNU100-250(A)**	250,000	100	80%	30-1/4”	73-1/4”
SBL85 275NE(A)	275,000	85	82%	27-3/4”	76”	**GNU100-270(A)**	270,000	100	82%	30-1/4”	73-7/8”
SBL85 366NE(A)	366,000	85	82%	27-3/4”	76”	**GNU65-360(A)**	360,000	65	80%	26-1/4”	70-11/16”
SBL85 390NE(A)	399,000	85	82%	27-3/4”	76”	**GNU100-400(A)**	399,900	100	80%	30-1/4”	76”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

State						Rheem-Ruud					
Model	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**	**Model**	**Btu/h**	**Gal.**	**Efficiency***	**Dia.**	**Height**
Gas Tank-Type – Power Direct Vented (2 pipe)											
SDV75 70NE	70,000	75	n/a	26”	69-5/8”	**GPDV75-75**	75,100	75	n/a	26-1/2”	70-3/8”
Gas Tank-Type – Power Direct Vented, Fully Condensing											
SHE50 100NE	100,000	50	95%	22”	66-3/4”	**HE55-100**	100,000	55	95%	23-1/2”	52”
SUF60 120 NEA	120,000	60	95%	27-3/4”	55-1/2”	**HE55-130**	130,000	55	95%	23-1/2”	52”
SUF100 150 NEA	150,000	100	95%	27-3/4”	75-1/2”	**GHE100-160(A)**	160,000	100	95%	26-1/4”	78-3/4”
SUF100 199 NEA	199,000	100	95%	27-3/4”	75-1/2”	**GHE100-200(A)**	199,900	100	95%	26-1/4”	78-3/4”
SUF100 250 NEA	250,000	100	95%	27-3/4”	75-1/2”	**GHE100-250(A)**	250,000	100	93%	26-1/4”	78-3/4”
SUF130 300 NEA	300,000	130	96%	33-1/8”	75-1/2”	**GHE100-300(A)**	300,000	100	93%	26-1/4”	78-3/4”
SUF130 400 NEA	399,900	130	95%	33-1/8”	75-1/2”	**GHE100-400(A)**	400,000	100	92%	26-1/4”	78-3/4”
SUF130 500 NE	499,900	119	95%	33-1/8”	75-1/2”	**GHE119-500**	500,000	119	93%	32”	78-1/2”
SUF130 500 NEA	499,900	130	95%	33-1/8”	75-1/2”	**GHE125-500A**	500,000	125	93%	32”	78-1/2”

*Based on ANSI Z21.10.3 Thermal Efficiency Test.

State						Rheem-Ruud					
Model	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**	**Model**	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**
Electric Tank-Type – Point-of-Use											
PCE 6 1OMSA	2.5 max	6	98%	14-1/4”	15-1/2”	**EGSP6**	6 max	6	98%	15-3/4”	15-1/8”
PCE 10 1OMSA	6 max	10	98%	18”	18-1/4”	**EGSP10**	6 max	10	98%	15-3/4”	22-7/8”
PCE 17 1OMSA	6 max	15	98%	18”	26”	**EGSP15**	6 max	15	98%	17-3/4”	24-1/4”
PCE 20 1OMSA	6 max	19.9	98%	21-3/4”	22-1/4”	**EGSP20**	6 max	19.9	98%	19-3/4”	25-1/8”

State						Rheem-Ruud					
Model	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**	**Model**	**Kw**	**Gal.**	**Efficiency****	**Dia.**	**Height**
Electric Tank-Type – Light Duty											
PCE 30 2OLSA	12 max	30	98%	21-3/4”	30-7/8”	**ELDS30**	12 max	30	98%	22-1/4”	29-1/2”
PCE 40 2OLSA	12 max	40	98%	24”	32-1/4”	**ELDS40**	12 max	40	98%	23”	31-1/2”
PCE 50 2OLSA	12 max	50	98%	26-1/2”	32-1/4”	**ELDS52**	12 max	50	98%	26-1/4”	32-1/2”
PCE 30 2ORTA	12 max	30	98%	20-1/2”	34-1/2”	**ELD30**	12 max	30	98%	17-3/4”	45-1/2”
PCE 40 2ORTA	12 max	40	98%	20-1/2”	45-1/8”	**ELD40**	12 max	40	98%	22-1/4”	46-1/4”
PCE 52 2ORTA	12 max	50	98%	20-1/2”	54-7/8”	**ELD52**	12 max	50	98%	22-1/4”	57”
PCE 66 2ORTA	12 max	66	98%	21-3/4”	60-3/4”	**ELD66**	12 max	66	98%	23”	58-3/4”
PCE 82 2ORTA	12 max	80	98%	24”	59-3/8”	**ELD80**	12 max	80	98%	24-1/2”	59”
PCE 120 2ORTA	12 max	119	98%	29-3/8”	62-7/16”	**ELD120**	12 max	119	98%	28-1/4”	62-1/2”
Electric Tank-Type – Heavy Duty											
CSB 52**SFE/IFE	54 max	50	98%	21-3/4”	55-3/4”	**ES/E50**	54 max	50	98%	26-1/4”	43-5/8”
CSB 82**SFE/IFE	54 max	80	98%	25-1/2”	60-1/4”	**ES/E85**	81 max	85	98%	28-1/4”	57-11/16”
CSB 120**SFE/IFE	54 max	119	98%	29-1/2”	62-1/4”	**ES/E120**	81 max	119	98%	30-1/4”	67-5/8”
SSE 10	6 max	10	98%	18-3/4”	26-1/4”	**E12A**	9 max	13	98%	19”	28-1/2”
SSE 20	18 max	20	98%	20-1/2”	27-1/4”	**E20A**	18 max	20	98%	19”	36-1/2”
SSE 30	24 max	30	98%	20-1/2”	35-3/4”	**E30A**	36 max	30	98%	19”	49-1/4”
SSE 40	36 max	40	98%	20-1/2”	45-3/4”	**E40A**	36 max	40	98%	21”	53-3/4”
SSE 50	90 max	50	98%	20-1/2”	54-3/4”	**E50A**	54 max	50	98%	26-1/4”	43-5/8”
SSE 65	90 max	65	98%	26-1/2”	50-1/2”	**E85A**	81 max	85	98%	28-1/4”	57-11/16”
SSE 80	90 max	80	98%	28”	49-1/4”	**E85A**	81 max	85	98%	28-1/4”	57-11/16”
SSE 100	90 max	100	98%	28”	58-1/4”	**E120A**	81 max	119	98%	30-1/4”	67-5/8”
SSE 120	90 max	119	98%	30”	63-1/4”	**E120A**	81 max	119	98%	30-1/4”	67-5/8”

**Accepted heat transfer efficiency of immersion heating elements.

Notes

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Technical Service for Heat Pump Water Heaters 1.800.995.0982
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