

# Essential

Essential Direct Vent Co-Axial gas water heaters for Manufactured Housing that are FVIR compliant

## EFFICIENCY

- .58 UEF

## PERFORMANCE

- FHR: 65 gallons for 50-gallon model and 51 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 10,000 ft. above sea level

## 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

## SELF CLEANING

- EverKleen™ patented system fights sediment build-up

## PLUS...

- Certified for manufactured (HUD) and modular construction
- Factory installed temperature and pressure relief valve – side location

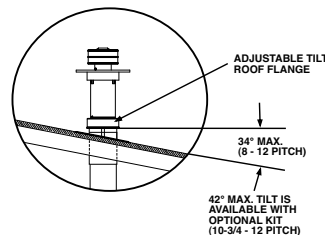
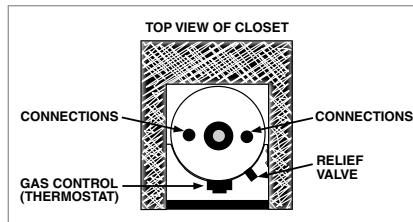
- Low lead compliant
- Piezo ignition – easy light pilot, no matches required

## 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.



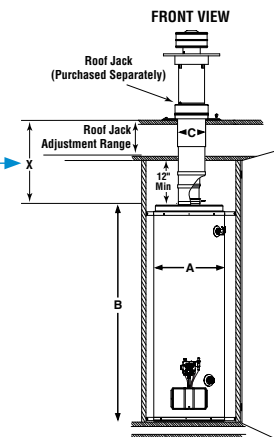
Co-Axial Roof Jack Sizing Table

| 34° MAX. (8 - 12 PITCH)<br>ROOF JACK<br>KIT PART NO. | ROOF JACK<br>ADJUSTMENT<br>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.



Essential Direct Vent for Manufactured Housing  
40 and 50-Gallon Capacities  
Up to 36,000 BTU/h  
Natural and LP Gas



| DESCRIPTION      |                               |                             |                 | FEATURES                        |    |                                     |      |                                          | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) |                     |                   |                             |                         | ENERGY INFO.                         |                                       |
|------------------|-------------------------------|-----------------------------|-----------------|---------------------------------|----|-------------------------------------|------|------------------------------------------|------------------------------------------|---------------------|-------------------|-----------------------------|-------------------------|--------------------------------------|---------------------------------------|
| T<br>Y<br>P<br>E | NOMINAL<br>GALLON<br>CAPACITY | RATED<br>GALLON<br>CAPACITY | MODEL<br>NUMBER | GAS INPUT<br>IN THOUS.<br>BTU/H |    | RECOVERY<br>IN G.P.H.<br>90° F RISE |      | FIRST HOUR<br>DELIVERY<br>G.P.H.<br>NAT. | DIAM<br>A                                | TANK<br>HEIGHT<br>B | VENT<br>SIZE<br>C | WATER<br>CONNECTION<br>SIZE | SHIP<br>WEIGHT<br>(LBS) | UNIFORM<br>ENERGY<br>FACTOR<br>(UEF) | ESTIMATED<br>YEARLY<br>ENERGY<br>COST |
|                  |                               |                             |                 | NAT.                            | LP | NAT.                                | LP   |                                          |                                          |                     |                   |                             |                         |                                      |                                       |
| Tall             | 40                            | 38                          | MV40FDVX3       | 36                              | 30 | 36.4                                | 30.3 | 51                                       | 19-3/4                                   | 60-1/2              | 5                 | 3/4                         | 155                     | 0.58                                 | \$201                                 |
| Tall             | 50                            | 48                          | MV50FDVX3       | 36                              | 32 | 36.4                                | 32.3 | 65                                       | 21-3/4                                   | 59-5/8              | 5                 | 3/4                         | 165                     | 0.58                                 | \$208                                 |

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.