



# Trade Price Book - 2017

Innovative. Efficient. Dependable. Dunkirk.

Effective 9/5/17

### Helix VLT

Available in 50 to 299 MBH  
Wall Mounted  
Built in Primary/Secondary Piping

95% AFUE



### DMG 240

Available in 240 MBH  
Wall Mounted or Optional Floor Base

95% AFUE



### Q90-100 Series IV Cast Aluminum Gas Condensing Boiler

90% AFUE



### DMG 380

Available in 380 MBH  
Floor Standing Boiler

95% Thermal Efficiency



### H<sub>2</sub>O Indirect Stainless Steel Indirect Water Heater Lifetime Warranty



### DCB

Available in 125,150, 165,  
205 MBH  
Wall Mounted  
Heating Only or Combi

95% AFUE



### Excelsior EXB 3 Pass Cast Iron Oil Boiler UP TO 86.5% AFUE



### DXL

Cast Iron Gas Boiler  
Low Profile, Built-In Draft  
Diverter & LWCO  
UP TO 83.5% AFUE



ECR International: 2201 Dwyer Avenue, Utica, NY 13501  
Tel. 315 797 1310 or 800 325 5479 Fax. 315 724 9319 [www.ecrinternational.com](http://www.ecrinternational.com)

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**TERMS & CONDITIONS OF SALE - GENERAL TERMS**

**PRICES & SPECIFICATIONS:** All pricing and specifications subject to change without notice. The prices herein supersede all prior quotations.

**PAYMENT TERMS:** Net 30 Days

**ORDERS:** Orders will be accepted on the basis of prices in effect at the time the order is received. No order or contract will become an obligation on our part until accepted by the General Sales Department. ECR International shall not be liable for any delay or failure in the delivery or shipment of goods due to any cause or causes beyond its control.

**TAXES:** Add to the prices and terms quoted any manufacturers' or sales tax payable on the transaction under any effective statute.

**SHIPMENT**

**TRUCK LOADS:** \$40,000 Net Order Value - Freight Prepaid. Indirect Water Heaters and Commercial Boiler lines can be added to any residential order for freight purposes.

Authorized Distributors can combine Argo, Airco, Dunkirk, EMI, Olsen, Pennco and Utica and on one purchase order to earn free freight.

Stop off charges of \$150 will apply to stop off locations within 100 miles of final destination. Please call for pricing for stop off special handling for a location further than 100 miles or for special handling pricing for services such as lift gate, unloading assistance, etc.

**LESS THAN TRUCKLOAD SHIPMENT: F.O.B. ECR INTERNATIONAL - FACTORY OR WAREHOUSE**

**ORDER INFORMATION CHECKLIST**

The following information must be included on equipment or parts orders to insure proper shipment & invoicing:

- 1) Purchase Order Number
- 2) Bill To Address
- 3) Ship To Address
- 4) Method of Shipment (i.e. - trailer load, UPS, etc.)
- 5) Requested Ship Date
- 6) Special Instructions (i.e. - "Carrier to call...")
- 7) Pricing
- 8) Product Description (i.e. - Model, Size, Series, etc.)
- 9) Fuel Characteristics (i.e. Oil, Natural Gas, Propane)
- 10) Electrical Characteristics (i.e. - Operating Voltage, Cycles, Phases, etc.)
- 11) Non-Standard Equipment (Indicate "Optional" when substituted for standard equipment at extra cost listed. added to standard equipment).
- 12) Kits or Parts (Orders for kits or parts must indicate equipment size and series).
- 13) Send orders to:

**E-Mail: [ecrorderentry@ecrinternational.com](mailto:ecrorderentry@ecrinternational.com)  
Fax: 315-724-9319**

14) Please note the following Remit To Address:

**ECR International, Inc.  
P.O. Box 8000 Department 039  
Buffalo, NY 14267**

Continued on Next Page

**TERMS & CONDITIONS OF SALE - GENERAL TERMS CONTINUED**  
**U.S. DISTRIBUTOR - RETURN MATERIAL POLICY - EFFECTIVE 8/18/2014**

To assist in providing the best service to our valued customers, ECR International has developed the following guidelines to help you in the unlikely event that you will need to return merchandise purchased from us. These guidelines have been developed after carefully reviewing common industry practice. We trust that you find them fair and easy to follow.

**Prior Approval Required** - All returns for exchange, credit, repair service or warranty claim must be approved by ECR and require an RMA number prior to return of the material. A request must be completed via ECR International's online web portal. Please log on to [www.ecrcustomerportal.com](http://www.ecrcustomerportal.com) (hyperlink below) to complete your request for return. If you do not already have access to the customer web portal please contact ECR Customer Service at 1-800-325-5479 to be set-up.

**Eligibility** - An RMA Request must be received within 60 days from the date of invoice for returns of New & Unused product in original packaging. A restocking fee of 15% will be charged for all new and unused returns that are approved for return. Special Order Products (items not offered as standard in ECR trade price book) are not eligible for return as new and unused product. Request for Warranty Returns must be made within the period covered by the warranty and must fall under the terms and conditions specified in the warranty.

**Repair Service** - Request for repair or rework of product damaged by customer is classified as Repair Service. Repair Service is billed at \$75.00 per hour for labor and net price for parts used in repair/rework. ECR's Return Material (RM) department will evaluate the items returned for repair service. The customer will receive an estimate for the dollar amount, determined by ECR's RM department, required to complete the repairs requested. A Purchase Order (PO) from the customer for that amount will be required before any work is performed.

**RMA Expiration** - Once the RMA number is issued, the product must be returned within 90 days of the RMA date, or the RMA will be canceled. Products approved for return that are received after 90 days from the RMA date will not be accepted.

**Shipping & Packaging** - All returns must have a valid RMA number clearly displayed on the exterior of the package or the package will not be accepted. All returns of new and unused product must be in the original packaging. All returns must be shipped prepaid by the customer unless otherwise directed by ECR as indicated on the RMA Verification. Ship all approved return material to the facility indicated on the approved RMA Request by the date indicated.

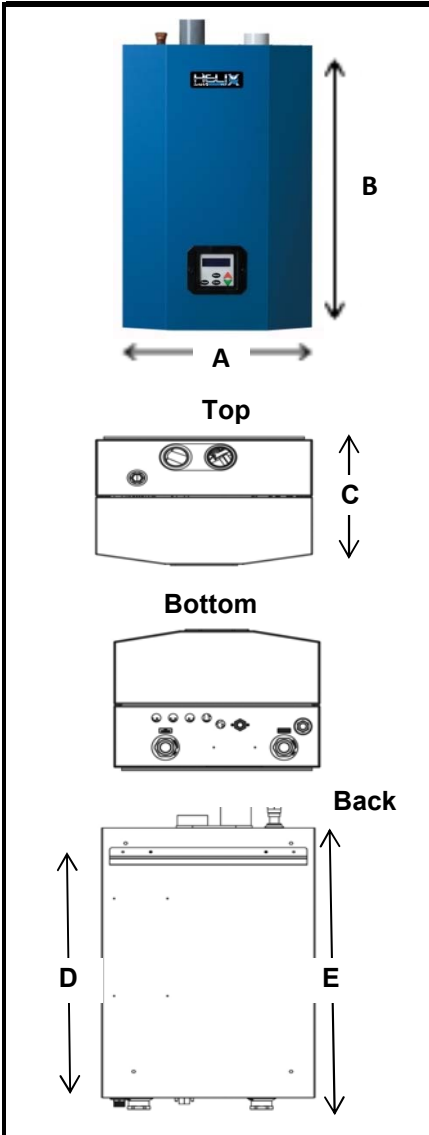
**Replacement Product** - If replacement product is desired it must be indicated on the RMA Request. A PO# is required for the replacement shipment and must be indicated on the RMA Request. All replacement products will be invoiced at the time of shipment. ECR will pay the ground freight for all warranty replacements.

**Application of Credit** - Credit for returned product will be applied to the customer's account (less restocking fees for New and Unused returns) only after confirmation of receipt by ECR and inspection of the product. Issuance of a credit for a partial return of product does not relieve the customer from the obligation to remit payment for the merchandise not returned in accordance with the payment terms referenced on the customer's invoice(s). Customer will have the option to have any product that is denied for credit returned at their expense.

<http://www.ecrcustomerportal.com>

**HELIX VLT SERIES**  
 NATURAL OR PROPANE  
 MODULATING CONDENSING  
 HOT WATER BOILER

150 psi  
 MAWP



All VLT models have an AFUE of 95% and meet the criteria for 2018 Most Efficient.



**General Information** (See IOM for complete instructions)

| Clearances  | Combustible Materials (Required) (1)  |   | Service (2)         |                     |                   |                     |
|---|---|---|---------------------|---------------------|-------------------|---------------------|
|   | (1) Required distances measured from boiler.  | Top   | 0" (0 cm)           | 14" (36 cm)         |                   |                     |
| Left Side   |   | 0" (0 cm)   | 0" (0 cm)           |                     |                   |                     |
| Right Side  |   | 0" (0 cm)   | 0" (0 cm)           |                     |                   |                     |
| Front   |   | 0" (0 cm)   | 6" (16 cm)          |                     |                   |                     |
| Back  |   | 0" (0 cm)   | 0" (0 cm)           |                     |                   |                     |
| Bottom  |   | 0" (0 cm)   | 12" (32 cm)         |                     |                   |                     |
| (2) Service, proper operation clearance recommendation. | Combustion Air/Vent Piping  |   | 0" (0 cm)           | 6" (16 cm)          |                   |                     |
|   | (Schedule 40 PVC)   |   |                     |                     |                   |                     |
| Combustion Air & Vent Pipe Equivalent Length            | 2" Pipe   |   | 3" Pipe             |                     | 4" Pipe           |                     |
|   | 50  | 75/100  | 75/100              | 150/200             | 299               | 299                 |
|   | 6 Ft.<br>(1.8 m)  | 6 Ft.<br>(1.8 m)  | 6 Ft.<br>(1.8 m)    | 6 Ft.<br>(1.8 m)    | 6 Ft.<br>(1.8 m)  | 6 Ft.<br>(1.8 m)    |
| Min. Length   | 100 Ft.<br>(30.5 m)   | 50 Ft.<br>(15.2 m)  | 100 Ft.<br>(30.5 m) | 100 Ft.<br>(30.5 m) | 25 Ft.<br>(7.7 m) | 100 Ft.<br>(30.5 m) |
|   | Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials. |   |                     |                     |                   |                     |
| Max. Length   | Connections   |   | Return/Supply Water | Gas In              | Cond. Drain       |                     |
|   | 050/075/100   |   | 1-1/4" NPT          | 1/2" NPT            | 3/4" NPT          |                     |
| 150/200/299   |   | 1-1/4" NPT  |                     | 3/4" NPT            | 3/4" NPT          |                     |
| Electrical  |   | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)                                 |                     |                     |                   |                     |
| Water Content   |   | 050/075/100 - 1.1 Gallons, 150/200/299 - 1.8 Gallons  |                     |                     |                   |                     |
| Ht. w/ Piping "E"                                       |   | *299 Dimensions are the same as 150/200 Models <b>except</b> for Depth which is 18.4"/467 mm for the 299 model. |                     |                     |                   |                     |

| Dimensions  |                   |                         |
|-------------|-------------------|-------------------------|
| Models      | 050               | 150                     |
|             | 075               | 200                     |
|             | 100               | *299                    |
| Width "A"   | 20"<br>508 mm     | 23"<br>584 mm           |
| Height "B"  | 31"<br>787 mm     | 42"<br>1067 mm          |
| *Depth "C"  | 14-3/4"<br>375 mm | 16"/18.4"<br>406/467 mm |
|             | 27.7"<br>704 mm   | 38.7"<br>983 mm         |
| Bracket "D" | 32"<br>813 mm     | 43"<br>1092 mm          |

| HELIX VLT SERIES CONTINUED                       |                 |             |                      |                 |                |               |           |                     |
|--|-----------------|-------------|----------------------|-----------------|----------------|---------------|-----------|---------------------|
| (NATURAL GAS - LESS SYSTEM PUMP)                 |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL                                     | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50   | VLT105003500203 | \$3,825     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75   | VLT107503500203 | \$3,900     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100  | VLT110003500203 | \$4,080     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150  | VLT115003500203 | \$5,150     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200  | VLT120003500203 | \$5,500     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |
| DKVLT-299  | VLT129903500203 | \$8,475     | 299/60               | 273             | 239            | 95            | 3" or 4"  | 195/225             |
| (NATURAL GAS - LESS SYSTEM PUMP - HIGH ALTITUDE) |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL                                     | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50   | VLT105003502203 | \$3,825     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75   | VLT107503502203 | \$3,900     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100  | VLT110003502203 | \$4,080     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150  | VLT115003502203 | \$5,150     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200  | VLT120003502203 | \$5,500     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |
| DKVLT-299  | VLT129903502203 | \$8,475     | 299/60               | 273             | 239            | 95            | 3" or 4"  | 195/225             |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP)        |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL                                     | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50   | VLT105003540203 | \$3,959     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75   | VLT107503540203 | \$4,043     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100  | VLT110003540203 | \$4,214     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150  | VLT115003540203 | \$5,284     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200  | VLT120003540203 | \$5,634     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |

| HELIX VLT SERIES CONTINUED                                |                 |             |                      |                 |                |               |           |                     |
|---|-----------------|-------------|----------------------|-----------------|----------------|---------------|-----------|---------------------|
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP - HIGH ALTITUDE) |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50  | VLT105003542203 | \$3,959     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75  | VLT107503542203 | \$4,034     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100   | VLT110003542203 | \$4,214     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150   | VLT115003542203 | \$5,284     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200   | VLT120003542203 | \$5,634     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)                 |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50  | VLT105003520203 | \$3,959     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75  | VLT107503520203 | \$4,034     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100   | VLT110003520203 | \$4,214     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150   | VLT115003520203 | \$5,284     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200   | VLT120003520203 | \$5,634     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |
| Note: The DKVLT299 is only available less system pump.    |                 |             |                      |                 |                |               |           |                     |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP - HIGH ALTITUDE) |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| DKVLT-50  | VLT105003522203 | \$3,959     | 50/10                | 46              | 40             | 95            | 2"        | 91/111              |
| DKVLT-75  | VLT107503522203 | \$4,034     | 75/15                | 69              | 60             | 95            | 2" or 3"  | 91/111              |
| DKVLT-100   | VLT110003522203 | \$4,214     | 100/20               | 91              | 79             | 95            | 2" or 3"  | 91/111              |
| DKVLT-150   | VLT115003522203 | \$5,284     | 150/30               | 139             | 121            | 95            | 3"        | 157/182             |
| DKVLT-200   | VLT120003522203 | \$5,634     | 200/40               | 185             | 161            | 95            | 3"        | 157/182             |
| Note: The DKVLT299 is only available less system pump.    |                 |             |                      |                 |                |               |           |                     |
| VLT SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT         |                 |             |                      |                 |                |               |           |                     |
| (USE PARTS MULTIPLIER)                                    |                 |             |                      |                 |                | PN            | TRADE     |                     |
| 050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002303     | \$47      |                     |
| 075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002304     | \$47      |                     |
| 100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002305     | \$47      |                     |
| 150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002306     | \$47      |                     |
| 200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002307     | \$47      |                     |
| 299 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT    |                 |             |                      |                 |                | 550002799     | \$49      |                     |
| 2" CONCENTRIC VENT KIT                                    |                 |             |                      |                 |                | 29570         | \$222     |                     |
| 3" CONCENTRIC VENT KIT                                    |                 |             |                      |                 |                | 29571         | \$222     |                     |
| MULTIPLE BOILER SENSOR KIT                                |                 |             |                      |                 |                | 550002186     | \$80      |                     |
| FLOOR STAND KIT   |                 |             |                      |                 |                | 240010266     | \$599     |                     |

**HELIX VLT SERIES CONTINUED**  
**VLT SERIES - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

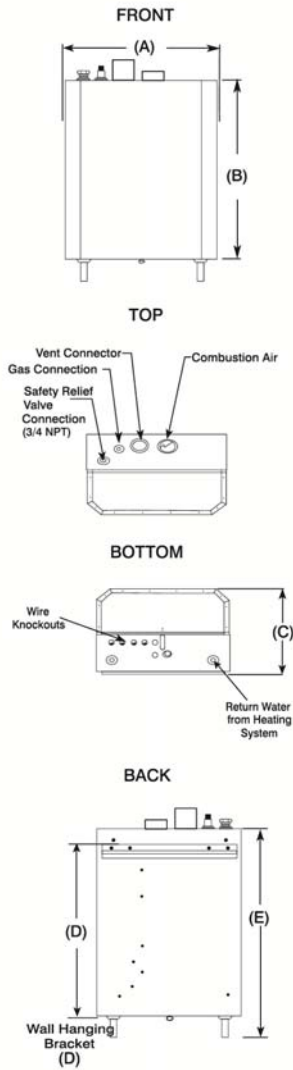
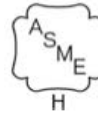
- Wall Mounted: Bracket included.
- Boiler Control Module: Automatic Low Voltage/Intermittent Direct Spark Ignition/Modulating with a 5:1 combustion turn down ratio. For multiple boiler applications - the control module can stage up to 16 boilers.
- User Display interface: Easy programming with text display. Outdoor Temperature Sensor included.
- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.
- Built-in Primary/Secondary Manifold Piping and Pump.
- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Modulating Burner with 5:1 turn down ratio, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.
- Electrical: Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.
- Other: Factory installed probe-type Low Water Cut Off with test feature, 30 PSI Safety Relief Valve, Temperature Pressure Gauge, Boiler Drain Valve and Condensate Drain with built in trap.



**VX SERIES**

NATURAL OR PROPANE  
MODULATING CONDENSING  
HOT WATER BOILER

150 psi  
MAWP



All VX models have an AFUE of 95% and meet the criteria for 2018 Most Efficient.



**General Information** (See IOM for complete instructions)

| Clearances   | Combustible Materials (Required) (1)                |                | Service (2) |             |
|--|---|----------------|-------------|-------------|
|  | (1) Required distances measured from boiler jacket. | Top            | 0" (0 cm)   | 14" (36 cm) |
| Left Side  |   | 0" (0 cm)      | 0" (0 cm)   |             |
| Right Side   |   | 0" (0 cm)      | 0" (0 cm)   |             |
| Front  |   | 0" (0 cm)      | 6" (16 cm)  |             |
| Back   |   | 0" (0 cm)      | 0" (0 cm)   |             |
| Bottom   |   | 0" (0 cm)      | 12" (32 cm) |             |
| (2) Service, proper operation clearance recommended. | Combustion Air/Vent Piping                          | 0" (0 cm)      | 6" (16 cm)  |             |
|  | Hot Wat. Piping                                     | See Local Code | 6" (16 cm)  |             |
| Combustion Air & Vent Pipe Equiv. Length             | (Schedule 40 PVC)                                   |                |             |             |
|  | 2" Pipe   |                | 3" Pipe     |             |
|  | 50  | 75/100         | 75/100      | 150/200     |
| Min. Length  | 6 Ft.   | 6 Ft.          | 6 Ft.       | 6 Ft.       |
|  | (1.8 m)   | (1.8 m)        | (1.8 m)     | (1.8 m)     |
| Max. Length  | 100 Ft.   | 50 Ft.         | 100 Ft.     | 100 Ft.     |
|  | (30.5 m)  | (15.2 m)       | (30.5 m)    | (30.5 m)    |

**Dimensions**

| Models           | 050    | 150    |
|------------------|--------|--------|
|                  | 075    | 200    |
|                  | 100    |        |
| Width "A"        | 20"    | 23"    |
|                  | 508 mm | 584 mm |
| Height "B"       | 27.75" | 37.75" |
|                  | 705 mm | 959 mm |
| Depth "C"        | 14.75" | 16.3"  |
|                  | 375 mm | 414 mm |
| Bracket "D"      | 24.41" | 35.6"  |
|                  | 620 mm | 904 mm |
| Ht. w/Piping "E" | 30.75" | 40.75" |
|                  | 781 mm | 104 cm |

**Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.**

| Connections          | Return/Supply Water   | Gas In   | Cond. Drain |
|----------------------|---|----------|-------------|
| <b>050/075/100</b>   | 3/4" Copper stub  | 1/2" NPT | 3/4" NPT    |
| <b>150/200</b>       | 1" Copper stub  | 3/4" NPT | 3/4" NPT    |
| <b>Electrical</b>    | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |          |             |
| <b>Water Content</b> | 050/075/100 - 1.1 Gallons, 150/200 - 1.8 Gallons                                |          |             |

| <b>VX SERIES CONTINUED</b>                              |                    |                    |                             |                        |                       |                      |                  |                            |
|---|--------------------|--------------------|-----------------------------|------------------------|-----------------------|----------------------|------------------|----------------------------|
| <b>(NATURAL GAS - LESS SYSTEM PUMP)</b>                 |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003500103    | \$3,155            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503500103    | \$3,250            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003500103    | \$3,350            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003500103    | \$4,525            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003500103    | \$4,725            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |
| <b>(NATURAL GAS - LESS SYSTEM PUMP - HIGH ALTITUDE)</b> |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003502103    | \$3,155            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503502103    | \$3,250            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003502103    | \$3,350            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003502103    | \$4,525            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003502103    | \$4,725            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |
| <b>(NATURAL GAS - TACO ECM PUMP)</b>                    |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003540103    | \$3,289            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503540103    | \$3,384            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003540103    | \$3,484            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003540103    | \$4,659            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003540103    | \$4,859            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |

| <b>VX SERIES CONTINUED</b>                              |                    |                    |                             |                        |                       |                      |                  |                            |
|---|--------------------|--------------------|-----------------------------|------------------------|-----------------------|----------------------|------------------|----------------------------|
| <b>(NATURAL GAS - TACO ECM PUMP - HIGH ALTITUDE)</b>    |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003542103    | \$3,289            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503542103    | \$3,384            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003542103    | \$3,484            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003542103    | \$4,659            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003542103    | \$4,859            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |
| <b>(NATURAL GAS - GRUNDFOS PUMP)</b>                    |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003520103    | \$3,289            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503520103    | \$3,384            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003520103    | \$3,484            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003520103    | \$4,659            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003520103    | \$4,859            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |
| <b>(NATURAL GAS - GRUNDFOS PUMP - HIGH ALTITUDE)</b>    |                    |                    |                             |                        |                       |                      |                  |                            |
| <b>BOILER MODEL</b>                                     | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT (MBH) MAX/ MIN</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>FLUE DIA.</b> | <b>BLR./ SHP WGT. LBS.</b> |
| VX-50   | HVX105003522103    | \$3,289            | 50/10                       | 46                     | 40                    | 95                   | 2"               | 91/111                     |
| VX-75   | HVX107503522103    | \$3,384            | 75/15                       | 69                     | 60                    | 95                   | 2"               | 91/111                     |
| VX-100  | HVX110003522103    | \$3,484            | 100/20                      | 91                     | 79                    | 95                   | 2"               | 91/111                     |
| VX-150  | HVX115003522103    | \$4,659            | 150/30                      | 139                    | 121                   | 95                   | 3"               | 157/182                    |
| VX-200  | HVX120003522103    | \$4,859            | 200/40                      | 185                    | 161                   | 95                   | 3"               | 157/182                    |
| <b>VX SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT</b> |                    |                    |                             |                        |                       | <b>PN</b>            | <b>TRADE</b>     |                            |
| <b>(USE PARTS MULTIPLIER)</b>                           |                    |                    |                             |                        |                       |                      |                  |                            |
| 050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT  |                    |                    |                             |                        |                       | 550002303            | \$47             |                            |
| 075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT  |                    |                    |                             |                        |                       | 550002304            | \$47             |                            |
| 100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT  |                    |                    |                             |                        |                       | 550002305            | \$47             |                            |
| 150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT  |                    |                    |                             |                        |                       | 550002306            | \$47             |                            |
| 200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT  |                    |                    |                             |                        |                       | 550002307            | \$47             |                            |
| 2" CONCENTRIC VENT KIT                                  |                    |                    |                             |                        |                       | 29570                | \$222            |                            |
| 3" CONCENTRIC VENT KIT                                  |                    |                    |                             |                        |                       | 29571                | \$222            |                            |
| MULTIPLE BOILER SENSOR KIT                              |                    |                    |                             |                        |                       | 550002186            | \$80             |                            |
| FLOOR STAND KIT   |                    |                    |                             |                        |                       | 240010266            | \$599            |                            |

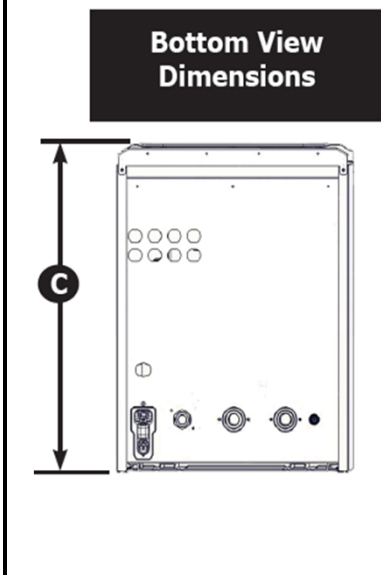
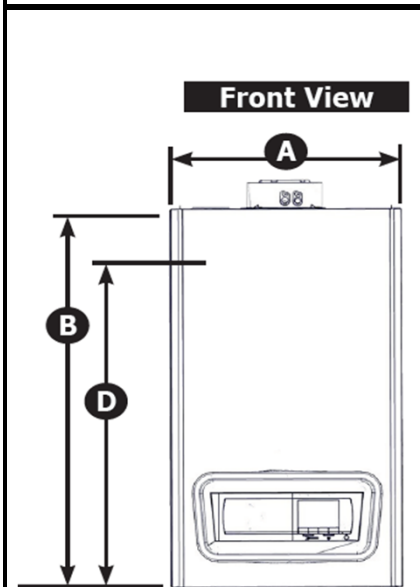
## VX SERIES - STANDARD EQUIPMENT

### **STANDARD EQUIPMENT:**

- Wall Mounted: Bracket included.
- Boiler Control Module: Automatic Low Voltage/Intermittent Direct Spark Ignition/Modulating with a 5:1 combustion turn down ratio. For multiple boiler applications - the control module can stage up to 16 boilers.
- User Display interface: Easy programming with text display. Outdoor Temperature Sensor included.
- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.
- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Modulating Burner with 5:1 turn down ratio, Direct Spark Igniter, Flame Sensor.
- Electrical: Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.
- Other: 30 PSI Safety Relief Valve, Temperature Pressure Gauge, Boiler Drain Valve and Condensate Drain with built in trap.

**DMG 240**

NATURAL OR PROPANE KIT  
 CONDENSING HOT WATER BOILER  
 WALL MOUNT OR FLOOR BASE  
 6.7:1 TURNDOWN RATIO



The DMG 240 has an AFUE of 95% and meets the criteria for 2018 Most Efficient and Primary/Secondary Manifold is Included



**General Information** (See IOM for complete instructions)

| Clearances   | Combustible Materials (Required) (1)   |                | Service (2)      |
|--|--|----------------|------------------|
|  | 1) Required distances measured from boiler jacket.   | Top            | 0" (0 mm)        |
| Left Side  |  | 1-3/4" (45 mm) | 1-3/4" (45 mm)   |
| Right Side   |  | 1-3/4" (45 mm) | 1-3/4" (45 mm)   |
| Front  |  | 2" (51 mm)     | 17-3/4" (450 mm) |
| Back   |  | 0" (0 mm)      | 0" (0 mm)        |
| Bottom   |  | 0" (0 mm)      | *9-7/8" (250 mm) |
| (2) Service, proper operation clearance recommended. (*) Allowance for Piping at the bottom of boiler not included | <b>Combustion Air/Vent Piping</b>  | 0" (0 mm)      | 6" (160 mm)      |
| <b>Connections DMG-240</b>   | Gas Connection 3/4" NPT<br>1" NPT Heating System Supply & Return (without manifold)<br>1-1/2" Copper Stub Heating System Supply & Return (with manifold) |                |                  |

| Dimensions                |            |
|---------------------------|------------|
| Model 240 - Physical Data |            |
| Width "A"                 | 17 - 3/4"  |
|                           | 450 mm     |
| Height "B"                | 31 - 1/16" |
|                           | 763 mm     |
| Depth "C"                 | 23"        |
|                           | 585 mm     |
| Bracket on Back "D"       | 15 - 7/8"  |
|                           | 403.2 mm   |

|  |   |
|--|---|
| <b>Water Content</b>   | 0.8 Gallons   |
| <b>Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.</b> |   |
| <b>Electrical</b>  | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |
| <b>Shipping Weight</b>   | 145 lbs. (65.8kg)   |






| DMG 240 CONTINUED   |                 |             |                  |                 |                        |               |                 |                |
|---|-----------------|-------------|------------------|-----------------|------------------------|---------------|-----------------|----------------|
| (NATURAL GAS - LESS PRIMARY PUMP)   |                 |             |                  |                 |                        |               |                 |                |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT RATE (MBH) | HTG. CAP. (MBH) | NET RATING WATER (MBH) | AFUE RATING % | VENTING COAXIAL | VENTING 2-PIPE |
| DMG-240   | DMG124000600103 | \$7,045     | 241,000          | 216,000         | 188,000                | 95            | 3" / 5"         | 3"             |
| DMG 240 CONTINUED   |                 |             |                  |                 |                        |               |                 |                |
| DMG 240 - VENTING OPTIONS/ADDITIONAL EQUIPMENT<br>(USE PARTS MULTIPLIER)  |                 |             |                  |                 | PN                     | TRADE         |                 |                |
| MANUAL RESET HIGH LIMIT KIT L4006E1109  |                 |             |                  |                 | 550003322              | \$235         |                 |                |
| MANUAL RESET LWCO KIT   |                 |             |                  |                 | 550003323              | \$225         |                 |                |
| CSD-1 KIT (INCLUDES HIGH LIMIT AND MANUAL RESET LWCO)   |                 |             |                  |                 | 550003332              | \$460         |                 |                |
| COMMON VENTING CHECK VALVE KIT  |                 |             |                  |                 | 550003354              | \$330         |                 |                |
| LP CONVERSION KIT   |                 |             |                  |                 | 550003316              | \$150         |                 |                |
| OUTDOOR AIR SENSOR  |                 |             |                  |                 | BD710487302V           | \$33          |                 |                |
| DHW SENSOR KIT  |                 |             |                  |                 | 550003189              | \$72          |                 |                |
| FLOOR BASE KIT  |                 |             |                  |                 | 550003302              | \$465         |                 |                |
| DMG 240 - STANDARD EQUIPMENT  |                 |             |                  |                 |                        |               |                 |                |
| <b><u>STANDARD EQUIPMENT:</u></b>   |                 |             |                  |                 |                        |               |                 |                |
| <ul style="list-style-type: none"> <li>- Boiler Control Module: High Limit/Electronic Ignition Control.</li> <li>- User Display Interface: Digital Temperature Display with diagnostics and programmable settings.</li> <li>- Heat Exchanger: 316L Stainless Steel</li> <li>- Combustion: 6.7:1 Turndown, Stainless Steel Burner, Direct Spark Ignition, Combination Flame Sensor and Ignitor</li> <li>- Other: Assembled Boiler with Jacket, Built-In Boiler Loop Pump, 50 psi Relief Valve Low Water Pressure Sensor, Temperature/Pressure Gauge</li> </ul> <p>Optional: Outdoor Temperature Sensor, Indirect Tank Sensor, Floor Base Kit, CSD-1 Kits available (includes Manual Reset Low Water Cut Off and Manual Reset High Limit.).</p> |                 |             |                  |                 |                        |               |                 |                |

\* Vent accessories listed on the next page.








**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**

**DMG 240 VENTING MATERIALS**


**COAXIAL VENTING**

| <b>VENTING COAXIAL</b>  | <b>DESCRIPTION</b>           | <b>ITEM</b>  | <b>TRADE PRICE</b> |
|---|------------------------------|--------------|--------------------|
|  | Coaxial Pipe 3.28' (1m) Long | KHG714088512 | \$52               |
|  | Coaxial 90 Elbows            | KHG714088712 | \$28               |
|  | Coaxial 45 Elbows            | KHG714088812 | \$28               |
|  | Horizontal Vent Termination  | KHG714088911 | \$59               |
|  | Vertical Vent Termination    | KHG714093512 | \$83               |

**TWIN PIPE POLYPROPYLENE VENTING**

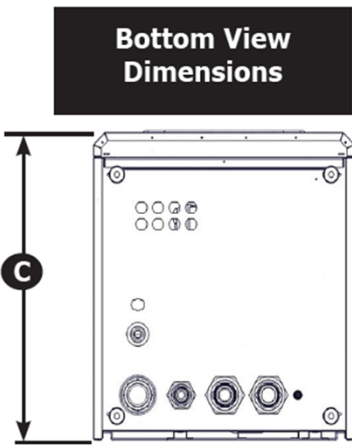
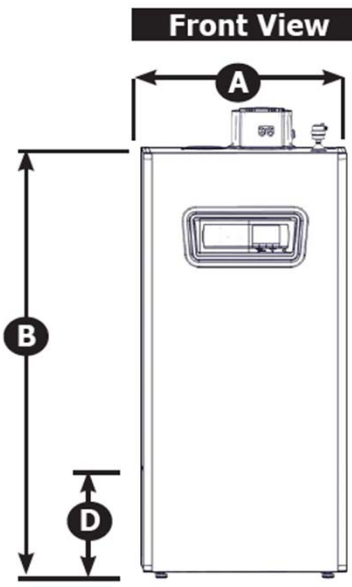
| <b>POLYPROPYLENE VENTING</b>  | <b>DESCRIPTION</b>                                    | <b>ITEM</b>  | <b>TRADE PRICE</b> |
|---|---|--------------|--------------------|
|    | Boiler Appliance Twin Pipe Adapters For Polypropylene | KHG714089010 | \$36               |
|   | 80mm Venting Clamp                                    | 550003416    | \$34               |
|  | Polypropylene Pipe 3.28' (1m) Long                    | KUG714132610 | \$16               |
|  | Polypropylene 90 Elbows                               | KUG714132410 | \$11               |
|  | Polypropylene 45 Elbows                               | KUG714132310 | \$11               |
|  | Horizontal Vent Termination                           | KUG714132010 | \$18               |
|  | Vertical Vent Termination                             | KUG714132110 | \$44               |

**TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTER KIT**

|  | <b>DESCRIPTION</b>   | <b>ITEM</b> | <b>TRADE PRICE</b> |
|---|--|-------------|--------------------|
|   | Boiler Appliance Twin Pipe Adapter Kit For 3" CPVC UL1738 / S636 | 550003403   | \$100              |

**DMG 380**

NATURAL OR PROPANE KIT  
 CONDENSING HOT WATER BOILER  
 FLOOR STANDING BOILER  
 10.5:1 TURNDOWN RATIO



The DMG 380 has a Thermal Efficiency of 95% and Primary/Secondary Manifold is Included



**General Information** (See IOM for complete instructions)

| Clearances   | Combustible Materials (Required) (1)   |                | Service (2)      |
|--|--|----------------|------------------|
|  | 1) Required distances measured from boiler jacket.   | Top            | 0" (0 mm)        |
| Left Side  |  | 1-3/4" (45 mm) | 1-3/4" (45 mm)   |
| Right Side   |  | 1-3/4" (45 mm) | 1-3/4" (45 mm)   |
| Front  |  | 2" (51 mm)     | 23-5/8" (600 mm) |
| Back   |  | 0" (0 mm)      | 0" (0 mm)        |
| Bottom   |  | 0" (0 mm)      | 0" (0 mm)        |
| (2) Service, proper operation clearance recommended. | Combustion Air/Vent Piping   | 0" (0 mm)      | 6" (160 mm)      |
| Connections DMG-380                                  | Gas Connection 1" NPT<br>1-1/2" NPT Heating System Supply & Return (without manifold)<br>1-1/2" Copper Stub Heating System Supply & Return (with manifold) |                |                  |

| Dimensions                |                       |
|---------------------------|-----------------------|
| Model 380 - Physical Data |                       |
| Width "A"                 | 23 - 5/8"<br>600 mm   |
| Height "B"                | 50"<br>1270 mm        |
| Depth "C"                 | 23 - 1/2"<br>648 mm   |
| Bracket on Back "D"       | 11 - 3/4"<br>298.5 mm |

|  |   |
|--|---|
| Water Content  | 4.6 Gallons   |
| <b>Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.</b> |   |
| Electrical   | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |
| Shipping Weight  | 255 lbs. (115.7kg)  |








| DMG 380 CONTINUED  |                 |             |                  |                 |                        |                |                 |                |
|--|-----------------|-------------|------------------|-----------------|------------------------|----------------|-----------------|----------------|
| (NATURAL GAS - LESS PRIMARY PUMP)  |                 |             |                  |                 |                        |                |                 |                |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT RATE (MBH) | HTG. CAP. (MBH) | NET RATING WATER (MBH) | THERMAL EFF. % | VENTING COAXIAL | VENTING 2-PIPE |
| DMG-380  | DMG138000600103 | \$8,900     | 379,000          | 348,000         | 303,000                | 95             | 4" / 6"         | 4"             |
| DMG 380 CONTINUED  |                 |             |                  |                 |                        |                |                 |                |
| DMG 380 - VENTING OPTIONS/ADDITIONAL EQUIPMENT<br>(USE PARTS MULTIPLIER)   |                 |             |                  |                 | PN                     | TRADE          |                 |                |
| MANUAL RESET HIGH LIMIT KIT L4006E1109   |                 |             |                  |                 | 550003322              | \$235          |                 |                |
| MANUAL RESET LWCO KIT  |                 |             |                  |                 | 550003323              | \$225          |                 |                |
| CSD-1 KIT (INCLUDES HIGH LIMIT AND MANUAL RESET LWCO)  |                 |             |                  |                 | 550003332              | \$460          |                 |                |
| COMMON VENTING CHECK VALVE KIT   |                 |             |                  |                 | 550003354              | \$330          |                 |                |
| LP CONVERSION KIT  |                 |             |                  |                 | 550003317              | \$150          |                 |                |
| OUTDOOR SENSOR   |                 |             |                  |                 | BD710487302V           | \$33           |                 |                |
| DHW SENSOR KIT   |                 |             |                  |                 | 550003189              | \$72           |                 |                |
| DMG 380 - STANDARD EQUIPMENT   |                 |             |                  |                 |                        |                |                 |                |
| <b><u>STANDARD EQUIPMENT:</u></b>  |                 |             |                  |                 |                        |                |                 |                |
| <ul style="list-style-type: none"> <li>- Boiler Control Module: High Limit/Electronic Ignition Control.</li> <li>- User Display Interface: Digital Temperature Display with diagnostics and programmable settings.</li> <li>- Heat Exchanger: 316L Stainless Steel</li> <li>- Combustion: 10.5:1 Turndown, Stainless Steel Burner, Direct Spark Ignition, Combination Flame Sensor and Ignitor</li> <li>- Other: Assembled Boiler with Jacket, Built-In Boiler Loop Pump, 50 psi Relief Valve Low Water Pressure Sensor, Temperature/Pressure Gauge</li> </ul> <p>Optional: Outdoor Temperature Sensor, Indirect Tank Sensor, CSD-1 Kits available (includes Manual Reset Low Water Cut Off and Manual Reset High Limit.).</p> |                 |             |                  |                 |                        |                |                 |                |

\* Vent accessories listed on the next page.







**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**

**DMG 380 VENTING MATERIALS**

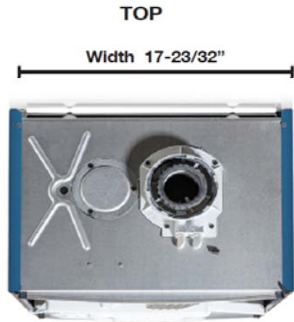
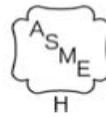
**COAXIAL VENTING**

| <b>VENTING COAXIAL</b>  | <b>DESCRIPTION</b>           | <b>ITEM</b>  | <b>TRADE PRICE</b> |
|---|------------------------------|--------------|--------------------|
|  | Coaxial Pipe 3.28' (1m) Long | KUG714133811 | \$107              |
|  | Coaxial 90 Elbows            | KUG714133611 | \$77               |
|  | Coaxial 45 Elbows            | KUG714133511 | \$77               |
|  | Horizontal Vent Termination  | KUG714133311 | \$218              |
|  | Vertical Vent Termination    | KUG714133411 | \$278              |

**TWIN PIPE POLYPROPYLENE VENTING**

| <b>POLYPROPYLENE VENTING</b>  | <b>DESCRIPTION</b>                                       | <b>ITEM</b>  | <b>TRADE PRICE</b> |
|---|--|--------------|--------------------|
|    | Boiler Appliance Twin Pipe Adapters For 4" UL1738 / S636 | BD7106314V   | \$118              |
|    | Polypropylene Pipe 3.28' (1m) Long                       | KUG714133210 | \$30               |
|    | Polypropylene 90 Elbows                                  | KUG714133010 | \$19               |
|  | Polypropylene 45 Elbows                                  | KUG714132910 | \$19               |
|  | Horizontal Vent Termination                              | KUG714132710 | \$111              |
|  | Vertical Vent Termination                                | KUG714132810 | \$101              |

**DCB/DCC**  
 NATURAL OR PROPANE  
 SPACE HEATING AND COMBI



All DCB/DCC models have an AFUE of 95% and meet the criteria for 2018 Most Efficient and Primary/Secondary Manifold is included (shown on page 22)



**General Information (See IOM for complete instructions)**

| Clearances                                      | Combustible Materials (Required) (1)        |                | Service (2)    |
|---|---|----------------|----------------|
|   | 1) Required distances measured from boiler. | Top            | 0" (0 cm)      |
| Left Side                                       |   | 1.77" (4.5 cm) | 1.77" (4.5 cm) |
| Right Side                                      |   | 1.77" (4.5 cm) | 1.77" (4.5 cm) |
| Front   |   | 0" (0 cm)      | 17.70" (45 cm) |
| Back  |   | 0" (0 cm)      | 0" (0 cm)      |
| Bottom  |   | 0" (0 cm)      | 9.84" (25 cm)  |
| (2) Service, proper operation clearance recomm. | Combustion Air/Vent Piping                  | 0" (0 cm)      | 6" (2.5 cm)    |

**Dimensions**

| Models        | DCB-125<br>DCC-150     | DCB-165<br>DCC-205 | Combustion Air & Vent Pipe Max. Equivalent Lengths  |   |                                  |                                 |   |                                  |                                 |
|---------------|------------------------|--------------------|---|---|----------------------------------|---------------------------------|---|----------------------------------|---------------------------------|
|               |                        |                    | Boiler requires special venting - Use only venting systems that have been approved.<br>Note: Natalini Polypropylene venting is not available in a 2" size |   |                                  |                                 |   |                                  |                                 |
| Width         | 17-3/4"                | 17-3/4"            | Coaxial Venting   | 2-pipe Polypropylene venting Boiler Adapter Kit Required                        |                                  |                                 | 2-pipe CPVC UL1738/ULC S636 Boiler Adapter Kit Required |                                  |                                 |
|               |                        |                    |   | Height  | 30"                              | 30"                             | DCC & DCB   | 125/150                          | 165/205                         |
| Feet (Ft)     | 3" (80mm)              | 3" (80mm)          | 2" (60mm)   |   |                                  |                                 | 3"  | 3"                               | 2"                              |
| Depth         | 13-9/16"               | 21-1/2"            | 32.8 Ft. (10 m)   | 100 Ft. Combined  | 200 Ft. Combined                 | 170 Ft. Combined                | 100 Ft. Combined  | 200 Ft. Combined                 | 170 Ft. Combined                |
|               |                        |                    |   | Intake Air can not exceed 49.2 Ft   | Intake Air can not exceed 100 Ft | Intake Air can not exceed 85 Ft | Intake Air can not exceed 49.2 Ft                       | Intake Air can not exceed 100 Ft | Intake Air can not exceed 85 Ft |
| Weight (lbs)  | 103 - DCC<br>102 - DCB | 125                | Connections   | Return/Supply Water   |                                  |                                 | Gas In  |                                  |                                 |
|               |                        |                    | DCC & DCB CH  | 3/4" SWT  |                                  |                                 | 3/4" FPT  |                                  |                                 |
| Water Content | 0.95 Gallons           | 1.25 Gallons       | DCC-150 DHW   | 1/2" SWT  |                                  |                                 |   |                                  |                                 |
|               |                        |                    | DCC-205 DHW   | 3/4" SWT  |                                  |                                 |   |                                  |                                 |
|               |                        |                    | Electrical  | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |                                  |                                 |   |                                  |                                 |

| <b>(NATURAL AND LP GAS - LESS SYSTEM PUMP, COMBI OR HEATING ONLY)</b>          |                    |                    |                         |                        |                       |                      |                                    |                                |
|--|--------------------|--------------------|-------------------------|------------------------|-----------------------|----------------------|------------------------------------|--------------------------------|
| <b>BOILER MODEL</b>  | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT RATE (MBH)</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>VENTING COAXIAL INCHES (mm)</b> | <b>VENTING 2-PIPE (INCHES)</b> |
| <b>Space Heating Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCB125   | DCB112503600103    | \$2,730            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| DCB165   | DCB116503600103    | \$3,205            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| <b>Combi Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCC150   | DCC115003600103    | \$2,915            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 153                     | 136                    | N/A                   |                      |                                    |                                |
| DCC205   | DCC120503600103    | \$3,384            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 205                     | 180                    | N/A                   |                      |                                    |                                |
| <b>(NATURAL AND LP GAS - WITH TACO ECM SYSTEM PUMP, COMBI OR HEATING ONLY)</b> |                    |                    |                         |                        |                       |                      |                                    |                                |
| <b>BOILER MODEL</b>  | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT RATE (MBH)</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>VENTING COAXIAL INCHES (mm)</b> | <b>VENTING 2-PIPE (INCHES)</b> |
| <b>Space Heating Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCB125   | DCB112503640103    | \$2,868            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| DCB165   | DCB116503640103    | \$3,343            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| <b>Combi Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCC150   | DCC115003640103    | \$3,053            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 153                     | 136                    | N/A                   |                      |                                    |                                |
| DCC205   | DCC120503640103    | \$3,521            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 205                     | 180                    | N/A                   |                      |                                    |                                |
| <b>(NATURAL AND LP GAS - WITH GRUNDFOS SYSTEM PUMP, COMBI OR HEATING ONLY)</b> |                    |                    |                         |                        |                       |                      |                                    |                                |
| <b>BOILER MODEL</b>  | <b>ITEM NUMBER</b> | <b>TRADE PRICE</b> | <b>INPUT RATE (MBH)</b> | <b>HTG. CAP. (MBH)</b> | <b>AHRI NET (MBH)</b> | <b>AFUE RATING %</b> | <b>VENTING COAXIAL INCHES (mm)</b> | <b>VENTING 2-PIPE (INCHES)</b> |
| <b>Space Heating Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCB125   | DCB112503620103    | \$2,868            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| DCB165   | DCB116503620103    | \$3,343            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| <b>Combi Models</b>  |                    |                    |                         |                        |                       |                      |                                    |                                |
| DCC150   | DCC115003620103    | \$3,053            | 126                     | 113                    | 98                    | 95.0                 | 2/4 (60/100)                       | 3                              |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 153                     | 136                    | N/A                   |                      |                                    |                                |
| DCC205   | DCC120503620103    | \$3,521            | 164                     | 153                    | 133                   | 95.0                 | 3/5 (80/125)                       | 3 or 2                         |
| Central Heating Mode   |                    |                    |                         |                        |                       |                      |                                    |                                |
| Domestic Hot Water Mode  |                    |                    | 205                     | 180                    | N/A                   |                      |                                    |                                |

## DCB/DCC - STANDARD EQUIPMENT

**STANDARD EQUIPMENT:**






-Boiler Control Module: High Limit/Electronic Ignition Control.  
 -User Display Interface: Digital Temperature Display with diagnostics and programmable settings.  
 -Heat Exchanger: Stainless Steel  
 -3-Way Water Diverting Valve  
 Combustion: For DCC-150 and DCB-125 - Automatically modulating gas valve with 5.7:1 Turndown for CH & 7:1 for DHW, For DCC-205 and DCB-165 - Automatically modulating gas valve with 5.5:1 Turndown for CH & 7:1 for DHW  
 Stainless Steel Burner, Direct Spark Ignition, Separate Flame Sensor, 100% shutoff.  
 -Other: Assembled Boiler with Jacket, Induced Draft Fan, Circulator Pump, 30psi Relief Valve, Low Water Pressure Switch, Air Pressure Switch, Temperature/Pressure Gauge.  
 DCC-150 DHW Model: Domestic Hot Water (DHW) Brazed Plate: Stainless Steel with 3.5 GPM @ 70° F rise  
 DCC-205 DHW Model: Domestic Hot Water (DHW) Brazed Plate: Stainless Steel with best in class 4.6 GPM @ 77° F rise

**\* Please note: These boilers require vent accessories below**

**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**









### DCB 125/DCC 150 VENTING MATERIALS

#### COAXIAL VENTING 2"/4" (60mm/100mm)


| VENTING COAXIAL   | DESCRIPTION                  | ITEM         | TRADE |
|---|------------------------------|--------------|-------|
|    | Coaxial Pipe 3.28' (1m) Long | KUG714059511 | \$36  |
|    | Coaxial 90 Elbows            | KUG714059711 | \$27  |
|    | Coaxial 45 Elbows            | KUG714059811 | \$27  |
|    | Horizontal Vent Termination  | KUG714059611 | \$45  |
|  | Vertical Vent Termination    | KUG714135812 | \$106 |

#### TWIN PIPE POLYPROPYLENE VENTING 3" (80mm)

Note: Natalini Polypropylene venting is not available in a 2" size

| POLYPROPYLENE VENTING   | DESCRIPTION   | ITEM         | TRADE |
|---|---|--------------|-------|
|  | Boiler Appliance Twin Pipe Adapters For Polypropylene | KHG714059113 | \$16  |
|  | 80mm Venting Clamp                                    | 550003416    | \$34  |
|  | 80mm Clamshell Clamp (5 pack)                         | 550003452    | \$33  |
|  | 80mm Polypropylene Pipe 3.28' (1m) Long               | KUG714132610 | \$16  |
|  | 80mm Polypropylene 90 Elbows                          | KUG714132410 | \$11  |
|  | 80mm Polypropylene 45 Elbows                          | KUG714132310 | \$11  |
|  | 80mm Horizontal Vent Termination                      | KUG714132010 | \$18  |
|  | 80mm Vertical Vent Termination                        | KUG714132110 | \$44  |






#### TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTERS

| DESCRIPTION   | ITEM  | TRADE     |
|---|---|-----------|
|  | Boiler Appliance Twin Pipe Adapters For 3" CPVC UL1738 / S636 | 550003184 |
|   |   | \$53      |

**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**









**DCB 165/DCC 205 VENTING MATERIALS**

**COAXIAL VENTING 3"/5" (80mm/125mm)**


| VENTING COAXIAL   | DESCRIPTION                  | ITEM         | TRADE |
|---|------------------------------|--------------|-------|
|  | Coaxial Pipe 3.28' (1m) Long | KHG714088512 | \$52  |
|  | Coaxial 90 Elbows            | KHG714088712 | \$28  |
|  | Coaxial 45 Elbows            | KHG714088812 | \$28  |
|  | Horizontal Vent Termination  | KHG714088911 | \$59  |
|  | Vertical Vent Termination    | KHG714093512 | \$83  |

**TWIN PIPE POLYPROPYLENE VENTING 3" (80mm)**

Note: Natalini Polypropylene venting is not available in a 2" size

| POLYPROPYLENE VENTING   | DESCRIPTION   | ITEM         | TRADE |
|---|---|--------------|-------|
|    | Boiler Appliance Twin Pipe Adapters For Polypropylene | KHG714089010 | \$36  |
|    | 80mm Venting Clamp                                    | 550003416    | \$34  |
|    | 80mm Clamshell Clamp (5 pack)                         | 550003452    | \$33  |
|   | Polypropylene Pipe 3.28' (1m) Long                    | KUG714132610 | \$16  |
|  | Polypropylene 90 Elbows                               | KUG714132410 | \$11  |
|  | Polypropylene 45 Elbows                               | KUG714132310 | \$11  |
|  | Horizontal Vent Termination                           | KUG714132010 | \$18  |
|  | Vertical Vent Termination                             | KUG714132110 | \$44  |

**TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTER KIT**

|  | DESCRIPTION  | ITEM      | TRADE |
|--|--|-----------|-------|
|  | Boiler Appliance Twin Pipe Adapter Kit For 3" CPVC UL1738 / S636 | 550003403 | \$100 |

**OPTIONAL ITEMS**

|                           |              |       |
|---------------------------|--------------|-------|
| <b>OUTSIDE AIR SENSOR</b> | BD710487302V | \$33  |
| <b>DHW SENSOR KIT</b>     | 550003189    | \$72  |
| <b>FLOOR STAND KIT</b>    | 240010266    | \$599 |

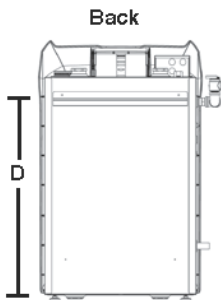
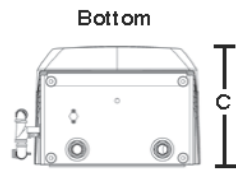
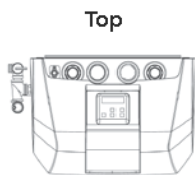
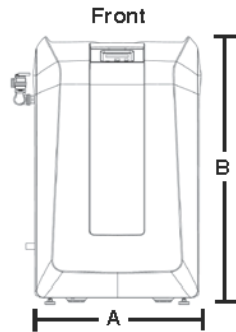
**MANIFOLDS**

| 125/150 Manifold  | 165 Manifold  | 205 Manifold  |
|---|---|---|
|  |  |  |

**97GB SERIES**

NATURAL OR PROPANE  
 MODULATING CONDENSING  
 HOT WATER BOILER  
 FLOOR/WALL MOUNT

150 psi  
 MAWP



Floor Mount Capable



**General Information** (See IOM for complete instructions)

| Clearances   | Combustible Materials (Required) (1)  |               | Service (2)                  |
|--|---|---------------|------------------------------|
|  | 1) Required distances measured from boiler.                                     | Top           | 0" (0 cm)                    |
| Left Side  |   | 6" (16 cm)    | 6" (16 cm)                   |
| Right Side   |   | 0" (0 cm)     | 1-1/2" (4 cm)                |
| Front  |   | 0" (0 cm)     | 6" (16 cm)                   |
| Back   |   | 0" (0 cm)     | 0" (0 cm)                    |
| Bottom   |   | 0" (0 cm)     | 12" (32 cm) for Bottom Piped |
| (2) Service, proper operation clearance recommended.   | Combustion Air/Vent Piping  |               | 6" (16 cm)                   |
|  | (Schedule 40 PVC)   |               |                              |
| Combustion Air & Vent Pipe Equiv. Length   | 2" Pipe   |               | 3" Pipe                      |
|  | 075/100   |               | 075/100                      |
| Min. Length  | 6 Ft.   |               | 6 Ft.                        |
|  | (1.8 m)   |               | (1.8 m)                      |
| Max. Length  | 50 Ft.  |               | 100 Ft.                      |
|  | (15.2 m)  |               | (30.5 m)                     |
| <b>Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.</b> |   |               |                              |
| <b>Connections</b>   | <b>Return/Supply Water</b>  | <b>Gas In</b> | <b>Cond. Drain</b>           |
| 075/100  | 1-1/4" NPT  | 1/2" NPT      | 3/4" MPT                     |
| <b>Electrical</b>  | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |               |                              |
| <b>Water Content</b>   | 075/100 - 1.1 Gallons   |               |                              |

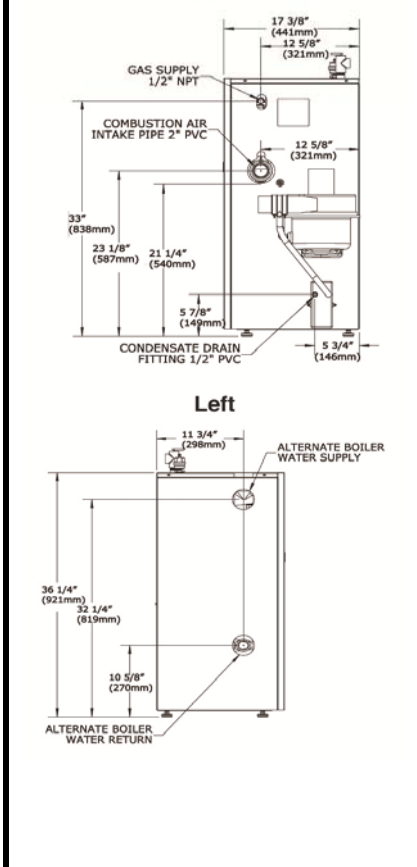
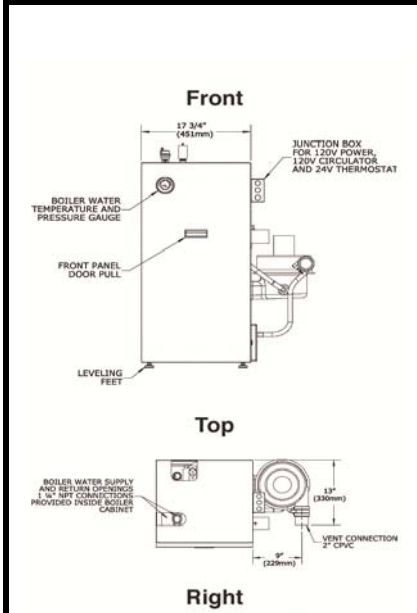
**Dimensions**

| Models      | 075/100           |
|-------------|-------------------|
| Width "A"   | 22-1/16" (560 mm) |
| Height "B"  | 35-5/8" (905 mm)  |
| Depth "C"   | 16-3/16" (411 mm) |
| Bracket "D" | 27-1/2" (969 mm)  |

| 97GB SERIES CONTINUED   |                 |             |                      |                 |                |               |           |                     |
|---|-----------------|-------------|----------------------|-----------------|----------------|---------------|-----------|---------------------|
| (NATURAL GAS - LESS SYSTEM PUMP)  |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| ECR97-075   | ECR97A075N000DK | \$3,900     | 75                   | 15              | 60             | 95            | 2" or 3"  | 140                 |
| ECR97-100   | ECR97A100N000DK | \$4,080     | 100                  | 20              | 79             | 95            | 2" or 3"  | 140                 |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP)   |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| ECR97-075   | ECR97A075N400DK | \$4,034     | 75                   | 15              | 60             | 95            | 2" or 3"  | 140                 |
| ECR97-100   | ECR97A100N400DK | \$4,224     | 100                  | 20              | 79             | 95            | 2" or 3"  | 140                 |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)   |                 |             |                      |                 |                |               |           |                     |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) MAX/ MIN | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | BLR./ SHP WGT. LBS. |
| ECR97-075   | ECR97A075N300DK | \$4,034     | 75                   | 15              | 60             | 95            | 2" or 3"  | 140                 |
| ECR97-100   | ECR97A100N300DK | \$4,224     | 100                  | 20              | 79             | 95            | 2" or 3"  | 140                 |
| 97GB SERIES CONTINUED   |                 |             |                      |                 |                |               |           |                     |
| 97GB SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT<br>(USE PARTS MULTIPLIER)  |                 |             |                      |                 |                | PN            | TRADE     |                     |
| ECR97 075 GAS CONVERSION KIT (NAT. TO LP AND LP TO NAT.)  |                 |             |                      |                 |                | 550002171     | \$50      |                     |
| ECR97 100 GAS CONVERSION KIT (NAT. TO LP AND LP TO NAT.)  |                 |             |                      |                 |                | 550002172     | \$40      |                     |
| 2" CONCENTRIC VENT KIT  |                 |             |                      |                 |                | 29570         | \$222     |                     |
| 3" CONCENTRIC VENT KIT  |                 |             |                      |                 |                | 29571         | \$222     |                     |
| MULTIPLE BOILER SENSOR KIT  |                 |             |                      |                 |                | 550002186     | \$80      |                     |
| 97GB SERIES - STANDARD EQUIPMENT  |                 |             |                      |                 |                |               |           |                     |
| <b><u>STANDARD EQUIPMENT:</u></b>   |                 |             |                      |                 |                |               |           |                     |
| <ul style="list-style-type: none"> <li>- Mounting Floor/Wall: Leveling Legs and Wall Bracket both included.</li> <li>- Boiler Control Module: Automatic Low Voltage/Intermittent Power Reset. Controls up to 16 boilers for multiple boiler applications.</li> <li>- User Display interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring.</li> <li>- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass. Built-in Primary/Secondary Manifold Piping and Pump.</li> <li>- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Burner, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.</li> <li>- Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box, Transformer, Lighted Power Switch and Auxiliary Service Power Outlet.</li> <li>- Other: Low Water Cut Off with test feature, Outdoor Temperature Reset, 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.</li> </ul> |                 |             |                      |                 |                |               |           |                     |



**Q90-100 SERIES IV**  
**NATURAL OR PROPANE**  
**CONDENSING HOT**  
**WATER BOILER**



**General Information** (See IOM for complete instructions)

| Clearances  | Combustible Materials (Required) (1)         |              |   |                         | Service (2)    |        |
|---|--|--------------|---|-------------------------|----------------|--------|
|   | (1) Required distances measured from boiler. | <b>Top</b>   |   | 1" (26 mm)              | 8" (204 mm)    |        |
| <b>Left Side</b>  |  | 1" (26 mm)   | N/A   |                         |                |        |
| <b>Right Side</b>   |  | 11" (280 mm) | N/A   |                         |                |        |
| <b>Base</b>   |  | 1" (26 mm)   | N/A   |                         |                |        |
| <b>Front</b>  |  | 1" (26 mm)   | 24" (610 mm)  |                         |                |        |
| <b>Back</b>   |  | 1" (26 mm)   | N/A   |                         |                |        |
| (2) Service, proper operation clearance recommendation.   | <b>Combustion Air/Vent Piping</b>            |              | 0" (0 mm)   | N/A                     |                |        |
| <b>Combustion Air &amp; Vent Pipe Equivalent Length (Schedule 40 PVC)</b>   | <b>Min. Length</b>                           | 2" Pipe      | 2" Pipe   | 3" Pipe                 | 3" Pipe        |        |
|   |  | 050          | 100   | 050                     | 100            |        |
|   | <b>Max. Length</b>                           | 2 Ft.        | 2 Ft.   | 20 Ft.                  | 15 Ft.         |        |
|   |  | (.61 m)      | (.61 m)   | (6.09 m)                | (4.57 m)       |        |
|   |  |              | 26 Ft.  | 21 Ft.                  | 112 Ft.        | 92 Ft. |
|   |  | (7.92 m)     | (6.40 m)  | (34.14 m)               | (28.04 m)      |        |
| Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials. |  |              |   |                         |                |        |
| <b>Connections</b>  | <b>Return/Supply Water</b>                   |              | <b>Gas In</b>   | <b>Condensate Drain</b> |                |        |
| <b>Dimensions</b>   | <b>050/075/100</b>                           |              | 1-1/4" NPT  | 1/2" NPT                | 1/2" CPVC Stub |        |
| Width   | 17-3/4" (451 mm)                             |              | <b>Electrical</b> 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |                         |                |        |
| Height  | 36-1/4" (921 mm)                             |              |   |                         |                |        |
| Depth   | 17-3/8" (441 mm)                             |              | <b>Water Content</b> 050/075/100 - 2.6 Gallons  |                         |                |        |

| Q90-100 SERIES IV CONTINUED               |                 |             |             |                 |                |               |           |           |
|---|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| (NATURAL GAS - LESS SYSTEM PUMP)          |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205003200403 | \$3,149     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207503200403 | \$3,149     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210003200403 | \$3,149     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP) |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205003240403 | \$3,214     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207503240403 | \$3,214     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210003240403 | \$3,214     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP) |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205003220403 | \$3,214     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207503220403 | \$3,214     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210003220403 | \$3,214     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |
| (LP GAS - LESS SYSTEM PUMP)               |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205013200403 | \$3,149     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207513200403 | \$3,149     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210013200403 | \$3,149     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |
| (LP GAS - WITH TACO ECM SYSTEM PUMP)      |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205013240403 | \$3,214     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207513240403 | \$3,214     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210013240403 | \$3,214     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |
| (LP GAS - WITH GRUNDFOS SYSTEM PUMP)      |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                              | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| Q90-50                                    | Q90205013220403 | \$3,214     | 50          | 45              | 39             | 90            | 2" or 3"  | 256       |
| Q90-75                                    | Q90207513220403 | \$3,214     | 75          | 68              | 59             | 90            | 2" or 3"  | 256       |
| Q90-100                                   | Q90210013220403 | \$3,214     | 100         | 90              | 78             | 90            | 2" or 3"  | 256       |

| (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)   | PN            | TRADE          |
|---|---------------|----------------|
| CONCENTRIC VENT KIT 3"  | 29571         | \$222          |
| CONCENTRIC VENT KIT 2"  | 29570         | \$222          |
| <b>ARGO AMB MULTIPLE BOILER CONTROL (INCLUDES OUTDOOR RESET, PRIORITY OVERRIDE, LEAD BOILER RUN TIME ROTATION):</b> |               |                |
| <b>AMB8A TO ALLOW STAGE FIRING OF UP TO 8 BOILERS</b>   | <b>AMB8AD</b> | <b>\$1,000</b> |
| CONVERSION KIT NAT. TO LP Q90-50 (Series IV) 0' - 10,000'   | 550002631     | \$77           |
| CONVERSION KIT NAT. TO LP Q90-75 (Series IV) 5,000' - 10,000'   | 550002629     | \$77           |
| CONVERSION KIT NAT. TO LP Q90-75 (Series IV) 0' - 5,000'  | 550002630     | \$77           |
| CONVERSION KIT NAT. TO LP Q90-100 (Series IV) 0' - 10,000'  | 550002700     | \$77           |
| CONVERSION KIT LP TO NAT. Q90-50 (Series IV) 0' - 10,000'   | 550002635     | \$77           |
| CONVERSION KIT LP TO NAT. Q90-75 (Series IV) 0' - 10,000'   | 550002634     | \$77           |
| CONVERSION KIT LP TO NAT. Q90-100 (Series IV) 0' - 10,000'  | 550002701     | \$77           |
| 2" CPVC 45° ELBOW (Q90-100 Series)  | 14631702      | \$38           |
| 2" CPVC 90° ELBOW (Q90-100 Series)  | 240009663     | \$27           |
| 2" CPVC TEE, SCHEDULE 80 (Q90-100 Series)   | 240006819     | \$37           |
| 2" CPVC COUPLING (Q90-100 Series)   | 240006822     | \$24           |
| FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS  | 14624002      | \$297          |
| FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH   | 14624003      | \$400          |

**Q90-100 SERIES IV - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

- Boiler Control Module: HSI Integrated Boiler Control
- Combination Hydrolevel High Limit with LWCO with boiler water temperature reset feature
- Heat Exchanger: Cast Aluminum Heat Exchanger
- Combustion: Stainless Steel Premix Burner
- Induced Draft Blower with adjustable exhaust (front, right side or rear), Inducer Motor Assembly, includes 5' schedule 80 2" CPVC and CPVC Tee
- Electrical: Junction Box, Transformer and Wiring Harness
- Textured painted steel jacket
- Other: Temperature/Pressure Gauge, 30 PSI Safety Relief Valve, Pressure Switch(es), Low Profile Condensate Trap and Air Vent

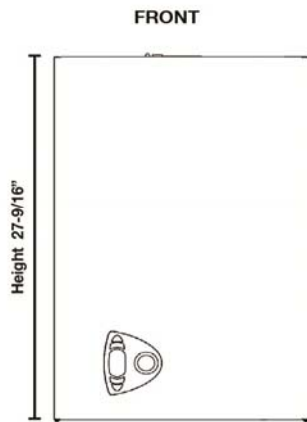
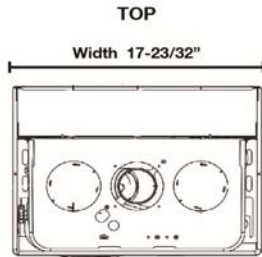
**DWB SERIES**

NATURAL OR PROPANE  
 MODULATING 3:1  
 SPACE HEATING ONLY & COMBI  
 (CHIMNEY/SIDEWALL VENTED)



**DWB Combi Unit  
 (CCB-150) Shown**

See IOM for dimensions  
 on other models.



Primary/Secondary Manifold is Included




**General Information** (See IOM for complete instructions)

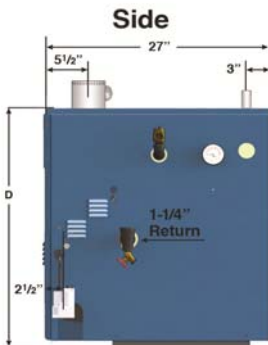
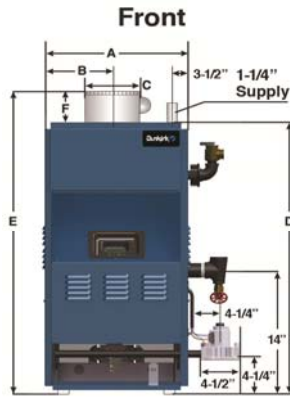
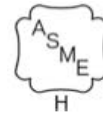
| Clearances                 |            | Combustible Materials (Required) <sup>(1)</sup>  | Service <sup>(1) (2)</sup> |
|----------------------------|------------|--|----------------------------|
|                            |            | (1) Required distances measured from boiler jacket.<br>(2) Service, proper operation clearance recommendation. | Top                        |
| Left Side                  | 0" (0 cm)  |  | 1" (3 cm)                  |
| Right Side                 | 0" (0 cm)  |  | 1" (3 cm)                  |
| Front                      | 0" (0 cm)  |  | 1" (3 cm)                  |
| Back                       | 0" (0 cm)  |  | 0" (0 cm)                  |
| Bottom                     | 0" (0 cm)  |  | 12" (30 cm)                |
| Combustion Air/Vent Piping | 0" (0 cm)  |  | 3/8" (1 cm)                |
| Vent Piping                | 6" (15 cm) |  | 6" (15 cm)                 |

| Connections                |   |
|----------------------------|---|
| CCB-150                    | Return/Supply Water 1", Gas In 3/4" NPT, Domestic Hot Water Inlet/Outlet 3/4" NPT |
| CHB-100, CHB-130 & CHB-150 | Return/Supply Water 1", Gas In 3/4" NPT, Indirect Tank 3/4" NPT                   |
| <b>Electrical</b>          | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)   |
| <b>Water Content</b>       | CCB-150/CHB-150 - .396 Gallons, CHB-130 - .317 Gallons, CHB-100 - .211 Gallons    |

| Dimensions      |           |          |       |
|-----------------|-----------|----------|-------|
| Model           | Width     | Height   | Depth |
| CCB-150/CHB-150 | 17-23/32" | 27-9/16" | 13"   |
| CHB-130         | 15-3/4"   | 27-9/16" | 13"   |
| CHB-100         | 15-3/4"   | 27-9/16" | 13"   |

| DWB SERIES CONTINUED   |               |             |                  |                 |                |               |  |                    |           |  |
|--|---------------|-------------|------------------|-----------------|----------------|---------------|--|--------------------|-----------|--|
| (NATURAL GAS - LESS SYSTEM PUMP, COMBI WITH DOMESTIC HOT WATER)  |               |             |                  |                 |                |               |  |                    |           |  |
| BOILER MODEL   | ITEM NUMBER   | TRADE PRICE | INPUT RATE (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I (Min. Size)   | SIDE-WALL CAT. III | SHIP WGT. |  |
| CCB150   | CCB0150000103 | \$2,142     | 150              | 127             | 110            | 85.0          | 4"   | 3"                 | 78        |  |
| (NATURAL GAS - LESS SYSTEM PUMP, SPACE HEATING ONLY)   |               |             |                  |                 |                |               |  |                    |           |  |
| BOILER MODEL   | ITEM NUMBER   | TRADE PRICE | INPUT RATE (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I (Min. Size)   | SIDE-WALL CAT. III | SHIP WGT. |  |
| CHB100   | CHB0100000103 | \$1,658     | 100              | 85              | 73             | 85.0          | 4"   | 3"                 | 65        |  |
| CHB130   | CHB0130000103 | \$1,839     | 130              | 110             | 96             | 85.0          | 4"   | 3"                 | 69        |  |
| CHB150   | CHB0150000103 | \$1,945     | 150              | 130             | 110            | 85.0          | 4"   | 3"                 | 73        |  |
| (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)  |               |             |                  |                 |                |               | PN   | TRADE              |           |  |
| NATURAL TO LP CONVERSION KIT (CCB150 & CHB150)   |               |             |                  |                 |                |               | FE3980C150   | \$68               |           |  |
| NATURAL TO LP CONVERSION KIT (CHB130)  |               |             |                  |                 |                |               | FE3980B950   | \$65               |           |  |
| NATURAL TO LP CONVERSION KIT (CHB100)  |               |             |                  |                 |                |               | FE3980C300   | \$61               |           |  |
| DIRECT VENT KIT  |               |             |                  |                 |                |               | 5612601  | \$145              |           |  |
| OUTSIDE AIR SENSOR   |               |             |                  |                 |                |               | FE013018X0   | \$30               |           |  |
| DHW SENSOR KIT   |               |             |                  |                 |                |               | 550002958  | \$55               |           |  |
| FLOOR STAND KIT  |               |             |                  |                 |                |               | 240010266  | \$599              |           |  |
| CHB 100/130 FLOOR BASE KIT   |               |             |                  |                 |                |               | 550003450  | \$280              |           |  |
| CCB/CHB 150 FLOOR BASE KIT   |               |             |                  |                 |                |               | 550003451  | \$280              |           |  |
| DWB SERIES - STANDARD EQUIPMENT  |               |             |                  |                 |                |               | DWB on Floor Base  |                    |           |  |
| <p><b><u>STANDARD EQUIPMENT:</u></b></p> <ul style="list-style-type: none"> <li>-Boiler Control Module: High Limit/Electronic Ignitional Control.</li> <li>-User Display Interface: Digital Temperature Display with diagnostics and programmable settings.</li> <li>-Heat Exchanger: Copper Fin Tube.<br/>(CCB-150 combination boiler includes a stainless steel brazed plate heat exchanger - 3.6 gpm at 70°F Temperature Rise, 6.3 gpm at 40°F Temperature Rise)</li> <li>-Valve: 3-Way Water Diverting Valve</li> <li>-Combustion: Completely Installed and Wired Modulating Gas Control System (100% to 33%) with Stainless Steel Burners and Manifold consisting of: Automatic Modulating Gas Valve, Direct Spark Ignition Control, 100% Shut Off, Combination Spark Electrode/Flame Sensor.</li> <li>-Safety: Pressure Switch (vent safety shutoff).</li> <li>-Other: Assembled Boiler with Jacket, Induced Draft Fan, Combination Temperature/ Pressure Gauge, Circulator Pump. Gas Shut Off Valve and Field installed - 30lb. ASME Relief Valve.</li> </ul> |               |             |                  |                 |                |               |  |                    |           |  |

**DXL SERIES**  
 NATURAL OR PROPANE  
 HOT WATER BOILER  
 CHIMNEY VENTED  
 (ENCLOSED CONTROLS)



Note: For sizes greater than 200 MBH, utilize WPSB Boilers.

**General Information** (See IOM for complete instructions)

| Clearances | Combustible Materials (Required) (1)         |             |
|------------|--|-------------|
|            | (1) Required distances measured from boiler. | Top         |
|            | Front  | Alcove*     |
|            | Flue Connector                               | 6" (152 mm) |
|            | Rear   | 4" (102 mm) |
|            | Right Side                                   | 9" (229 mm) |
|            | Other Side                                   | 3" (76 mm)  |

\*Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.

| Connections | Return/Supply Water | Gas In 050/075/100/125/150 | Gas In 170/200 |
|-------------|---------------------|----------------------------|----------------|
| All Models  | 1-1/4" NPT          | 1/2" NPT                   | 3/4" NPT       |

**Electrical** 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

**Water Content** 50 - 2.4 Gallons, 75/100 - 4.0 Gallons, 125/150 - 5.6 Gallons, 170/200 - 7.2 Gallons

**Dimensions**

| Model   | A       | B       | C  | D       | E       | F      |
|---------|---------|---------|----|---------|---------|--------|
| DXL-50  | 11-1/8" | 5-1/2"  | 4" | 30-3/4" | 36-3/4" | 6"     |
| DXL-75  | 15"     | 7-1/2"  | 5" | 30-3/4" | 36-3/4" | 6"     |
| DXL-100 | 15"     | 7-1/2"  | 6" | 30-3/4" | 37-1/4" | 6-1/2" |
| DXL-125 | 18-7/8" | 9-1/2"  | 6" | 30-3/4" | 37-1/4" | 6-1/2" |
| DXL-150 | 18-7/8" | 9-1/2"  | 7" | 30-3/4" | 37-3/4" | 7"     |
| DXL-170 | 22-3/4" | 11-1/2" | 7" | 30-3/4" | 38-3/4" | 7"     |
| DXL-200 | 22-3/4" | 11-1/2" | 8" | 30-3/4" | 38-3/4" | 8"     |

| DXL SERIES CONTINUED                                      |                 |             |             |                 |                |               |           |           |
|---|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| (NATURAL GAS - LESS SYSTEM PUMP)                          |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50  | DXL205003200203 | \$1,965     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75  | DXL307503200203 | \$2,206     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100   | DXL310003200203 | \$2,309     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125   | DXL412503200203 | \$2,509     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150   | DXL415003200203 | \$2,612     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170   | DXL517003200203 | \$3,079     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200   | DXL520003200203 | \$3,266     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP)                 |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50  | DXL205003240203 | \$2,037     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75  | DXL307503240203 | \$2,279     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100   | DXL310003240203 | \$2,382     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125   | DXL412503240203 | \$2,582     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150   | DXL415003240203 | \$2,685     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170   | DXL517003240203 | \$3,152     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200   | DXL520003240203 | \$3,338     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP - HIGH ALTITUDE) |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50  | DXL205003242203 | \$2,037     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75  | DXL307503242203 | \$2,279     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100   | DXL310003242203 | \$2,382     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125   | DXL412503242203 | \$2,582     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150   | DXL415003242203 | \$2,685     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170   | DXL517003242203 | \$3,152     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200   | DXL520003242203 | \$3,338     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)                 |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50  | DXL205003220203 | \$2,037     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75  | DXL307503220203 | \$2,279     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100   | DXL310003220203 | \$2,382     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125   | DXL412503220203 | \$2,582     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150   | DXL415003220203 | \$2,685     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170   | DXL517003220203 | \$3,152     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200   | DXL520003220203 | \$3,338     | 200         | 165             | 143            | 82.0          | 8"        | 377       |

| DXL SERIES CONTINUED<br>(NATURAL GAS, HIGH ALTITUDE WITH GRUNDFOS SYSTEM PUMP) |                 |             |             |                 |                |               |           |           |
|--|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50   | DXL205003222203 | \$2,037     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75   | DXL307503222203 | \$2,279     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100  | DXL310003222203 | \$2,382     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125  | DXL412503222203 | \$2,582     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150  | DXL415003222203 | \$2,685     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170  | DXL517003222203 | \$3,152     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200  | DXL520003222203 | \$3,338     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (NATURAL GAS - WITH B & G SYSTEM PUMP)   |                 |             |             |                 |                |               |           |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50   | DXL205003230203 | \$2,037     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75   | DXL307503230203 | \$2,279     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100  | DXL310003230203 | \$2,382     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125  | DXL412503230203 | \$2,582     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150  | DXL415003230203 | \$2,685     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170  | DXL517003230203 | \$3,152     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200  | DXL520003230203 | \$3,338     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (LP GAS - LESS SYSTEM PUMP)  |                 |             |             |                 |                |               |           |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50   | DXL205013200203 | \$2,016     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75   | DXL307513200203 | \$2,256     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100  | DXL310013200203 | \$2,359     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125  | DXL412513200203 | \$2,559     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150  | DXL415013200203 | \$2,662     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170  | DXL517013200203 | \$3,129     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200  | DXL520013200203 | \$3,316     | 200         | 165             | 143            | 82.0          | 8"        | 377       |
| (LP GAS - WITH TACO ECM SYSTEM PUMP)   |                 |             |             |                 |                |               |           |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| DXL-50   | DXL205013240203 | \$2,087     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75   | DXL307513240203 | \$2,329     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100  | DXL310013240203 | \$2,432     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125  | DXL412513240203 | \$2,632     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150  | DXL415013240203 | \$2,735     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170  | DXL517013240203 | \$3,202     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200  | DXL520013240203 | \$3,388     | 200         | 165             | 143            | 82.0          | 8"        | 377       |



**DXL SERIES CONTINUED**

**(LP GAS - WITH GRUNDFOS SYSTEM PUMP)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
|--------------|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| DXL-50       | DXL205013220203 | \$2,087     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75       | DXL307513220203 | \$2,329     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100      | DXL310013220203 | \$2,432     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125      | DXL412513220203 | \$2,632     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150      | DXL415013220203 | \$2,735     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170      | DXL517013220203 | \$3,202     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200      | DXL520013220203 | \$3,388     | 200         | 165             | 143            | 82.0          | 8"        | 377       |

**(LP GAS - WITH B & G SYSTEM PUMP)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
|--------------|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| DXL-50       | DXL205013230203 | \$2,087     | 50          | 42              | 37             | 83.5          | 4"        | 205       |
| DXL-75       | DXL307513230203 | \$2,329     | 75          | 63              | 55             | 83.1          | 5"        | 253       |
| DXL-100      | DXL310013230203 | \$2,432     | 100         | 83              | 72             | 83.0          | 6"        | 253       |
| DXL-125      | DXL412513230203 | \$2,632     | 125         | 104             | 90             | 82.0          | 6"        | 315       |
| DXL-150      | DXL415013230203 | \$2,735     | 150         | 124             | 108            | 83.0          | 7"        | 315       |
| DXL-170      | DXL517013230203 | \$3,202     | 170         | 139             | 121            | 82.0          | 7"        | 377       |
| DXL-200      | DXL520013230203 | \$3,388     | 200         | 165             | 143            | 82.0          | 8"        | 377       |

**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**

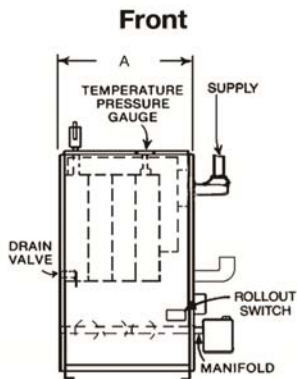
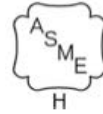
|  | PN         | TRADE |
|--|------------|-------|
| COMBUSTIBLE FLOOR PLATE DXL-50                   | 325-2-8.01 | \$58  |
| COMBUSTIBLE FLOOR PLATE DXL-75                   | 325-2-8.02 | \$227 |
| COMBUSTIBLE FLOOR PLATE DXL-100                  | 325-2-8.02 | \$227 |
| COMBUSTIBLE FLOOR PLATE DXL-125                  | 325-2-8.03 | \$249 |
| COMBUSTIBLE FLOOR PLATE DXL-150                  | 325-2-8.03 | \$249 |
| COMBUSTIBLE FLOOR PLATE DXL-170                  | 325-2-8.04 | \$249 |
| COMBUSTIBLE FLOOR PLATE DXL-200                  | 325-2-8.04 | \$249 |
| CONVERSION KIT NAT. TO LP DXL-50                 | 550002663  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-75                 | 550002664  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-100                | 550002663  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-125                | 550002665  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-150                | 550002663  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-170                | 550002665  | \$84  |
| CONVERSION KIT NAT. TO LP DXL-200                | 550002663  | \$84  |
| CONVERSION KIT LP TO NAT. DXL-50                 | 5611902    | \$102 |
| CONVERSION KIT LP TO NAT. DXL-75                 | 5611903    | \$105 |
| CONVERSION KIT LP TO NAT. DXL-100                | 5611904    | \$105 |
| CONVERSION KIT LP TO NAT. DXL-125                | 5611905    | \$107 |
| CONVERSION KIT LP TO NAT. DXL-150                | 5611906    | \$107 |
| CONVERSION KIT LP TO NAT. DXL-170                | 5611905    | \$107 |
| CONVERSION KIT LP TO NAT. DXL-200                | 5611908    | \$109 |
| FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | 14624002   | \$297 |
| FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH    | 14624003   | \$400 |

**DXL - STANDARD EQUIPMENT**

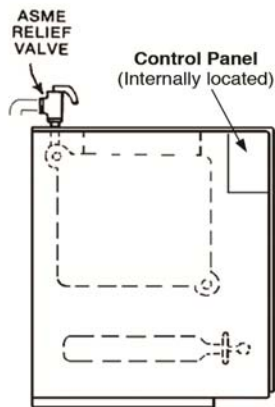
**STANDARD EQUIPMENT:**

- Boiler Control Module: Recessed Fuel Smart Hydrostat Temperature Limit, LWCO and Boiler Reset Control with Circulator Relay and Domestic Hot Water Input Override.
- User Display Interface: Temperature LED display with dial-type settings and diagnostic indicator lights.
- Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.
- Combustion: Completely Installed and Wired Gas Control System with Burners and Manifold consisting of Stainless Steel Burners, Automatic Redundant Combination Gas Valve, 24 Volt Intermittent Pilot Control, Continuous Retry 100% Shut-Off, Combination Pilot Burner/Electrode/Sensor.
- Electrical: 24v Transformer
- Safety: Flame Roll-Out Safety Shut-Off and Manual Reset Blocked Vent Safety Shut-Off.
- Other: Boiler Jacket, Integral Draft Diverter, Combination Temperature/Pressure Gauge, Circulator Pump, 3/4" Drain Valve, 30lb. ASME Relief Valve.

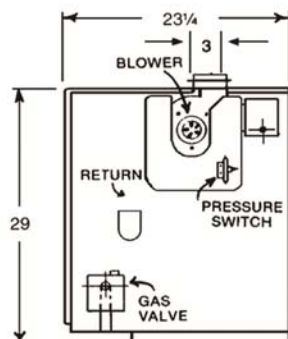
**XEB SERIES II**  
 NATURAL OR PROPANE  
 HOT WATER BOILER  
 INDUCED DRAFT  
 (CHIMNEY/SIDEWALL VENTED)



**Left Side**



**Right Side**



**General Information** (See IOM for complete instructions)

| Clearances | Combustible Materials (Required) (1)         |              |
|------------|--|--------------|
|            | (1) Required distances measured from boiler. | Top          |
|            | Rear   | 6" (152 mm)  |
|            | Right Side                                   | 8" (203 mm)  |
|            | Opposite Side                                | 6" (152 mm)  |
|            | Front (Alcove)*                              | 18" (457 mm) |
|            | Flue Connector                               | 6" (152 mm)  |

\*Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.

| Connections | Return/Supply Water | Gas In   |
|-------------|---------------------|----------|
| All Models  | 1-1/4" NPT          | 1/2" NPT |

**Electrical**  
 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

**Water Content**  
 XEB-2 - 1.75 Gallons, XEB-3 - 3.00 Gallons, XEB-4 - 4.25 Gallons, XEB-5 - 5.50 Gallons, XEB-6 - 6.75 Gallons, XEB-7 - 8.00 Gallons

| Dimensions |           |            |           |
|------------|-----------|------------|-----------|
| Model      | A "Width" | B "Height" | C "Depth" |
| XEB-2      | 11"       | 29"        | 23-1/4"   |
| XEB-3      | 14-1/4"   | 29"        | 23-1/4"   |
| XEB-4      | 17-1/2"   | 29"        | 23-1/4"   |
| XEB-5      | 20-3/4"   | 29"        | 23-1/4"   |
| XEB-6      | 24"       | 29"        | 23-1/4"   |
| XEB-7      | 27-1/4"   | 29"        | 23-1/4"   |

| XEB SERIES II CONTINUED                                  |                 |             |             |                 |                |               |                          |                    |           |
|--|-----------------|-------------|-------------|-----------------|----------------|---------------|--------------------------|--------------------|-----------|
| (NATURAL GAS - LESS SYSTEM PUMP)                         |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2  | XEB204203100203 | \$2,098     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3  | XEB307503100203 | \$2,374     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4  | XEB411203100203 | \$2,623     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5  | XEB515003100203 | \$2,947     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6  | XEB618703100203 | \$3,461     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7  | XEB722503100203 | \$3,805     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP)                |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2  | XEB204203140203 | \$2,171     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3  | XEB307503140203 | \$2,446     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4  | XEB411203140203 | \$2,696     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5  | XEB515003140203 | \$3,019     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6  | XEB618703140203 | \$3,538     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7  | XEB722503140203 | \$3,877     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (NATURAL GAS, HIGH ALTITUDE - WITH TACO ECM SYSTEM PUMP) |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2  | XEB204203142203 | \$2,171     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3  | XEB307503142203 | \$2,446     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4  | XEB411203142203 | \$2,696     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5  | XEB515003142203 | \$3,019     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6  | XEB618703142203 | \$3,538     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7  | XEB722503142203 | \$3,877     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)                |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2  | XEB204203120203 | \$2,171     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3  | XEB307503120203 | \$2,446     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4  | XEB411203120203 | \$2,696     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5  | XEB515003120203 | \$3,019     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6  | XEB618703120203 | \$3,538     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7  | XEB722503120203 | \$3,877     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (NATURAL GAS, HIGH ALTITUDE - WITH GRUNDFOS SYSTEM PUMP) |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2  | XEB204203122203 | \$2,171     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3  | XEB307503122203 | \$2,446     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4  | XEB411203122203 | \$2,696     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5  | XEB515003122203 | \$3,019     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6  | XEB618703122203 | \$3,538     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7  | XEB722503122203 | \$3,877     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |

| XEB SERIES II CONTINUED                |                 |             |             |                 |                |               |                          |                    |           |
|--|-----------------|-------------|-------------|-----------------|----------------|---------------|--------------------------|--------------------|-----------|
| (NATURAL GAS - WITH B & G SYSTEM PUMP) |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2                                  | XEB204203130203 | \$2,171     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3                                  | XEB307503130203 | \$2,446     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4                                  | XEB411203130203 | \$2,696     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5                                  | XEB515003130203 | \$3,019     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6                                  | XEB618703130203 | \$3,538     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7                                  | XEB722503130203 | \$3,877     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (LP GAS - LESS SYSTEM PUMP)            |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2                                  | XEB204213100203 | \$2,147     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3                                  | XEB307513100203 | \$2,424     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4                                  | XEB411213100203 | \$2,673     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5                                  | XEB515013100203 | \$2,997     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6                                  | XEB618713100203 | \$3,511     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7                                  | XEB722513100203 | \$3,855     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (LP GAS - WITH TACO ECM SYSTEM PUMP)   |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2                                  | XEB204213140203 | \$2,221     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3                                  | XEB307513140203 | \$2,496     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4                                  | XEB411213140203 | \$2,746     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5                                  | XEB515013140203 | \$3,069     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6                                  | XEB618713140203 | \$3,588     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7                                  | XEB722513140203 | \$3,927     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (LP GAS - WITH GRUNDFOS SYSTEM PUMP)   |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2                                  | XEB204213120203 | \$2,221     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3                                  | XEB307513120203 | \$2,496     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4                                  | XEB411213120203 | \$2,746     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5                                  | XEB515013120203 | \$3,069     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6                                  | XEB618713120203 | \$3,588     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7                                  | XEB722513120203 | \$3,927     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |
| (LP GAS - WITH B & G SYSTEM PUMP)      |                 |             |             |                 |                |               |                          |                    |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY CAT. I Min. Size | SIDE-WALL CAT. III | SHIP WGT. |
| XEB-2                                  | XEB204213130203 | \$2,221     | 42.5        | 36              | 31             | 84.4          | 4"                       | 3"                 | 215       |
| XEB-3                                  | XEB307513130203 | \$2,496     | 75.0        | 63              | 55             | 83.4          | 4"                       | 3"                 | 265       |
| XEB-4                                  | XEB411213130203 | \$2,746     | 112.5       | 94              | 82             | 83.0          | 4"                       | 3"                 | 322       |
| XEB-5                                  | XEB515013130203 | \$3,069     | 150.0       | 125             | 109            | 82.7          | 4"                       | 3"                 | 370       |
| XEB-6                                  | XEB618713130203 | \$3,588     | 187.5       | 155             | 135            | 82.3          | 4"                       | 4"                 | 431       |
| XEB-7                                  | XEB722513130203 | \$3,927     | 225.0       | 186             | 162            | 82.0          | 4"                       | 4"                 | 480       |

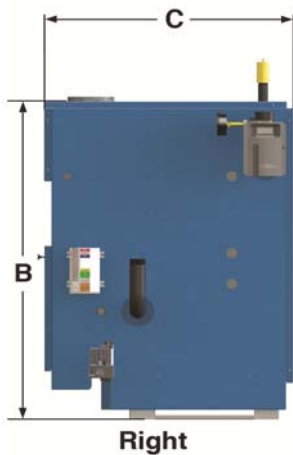
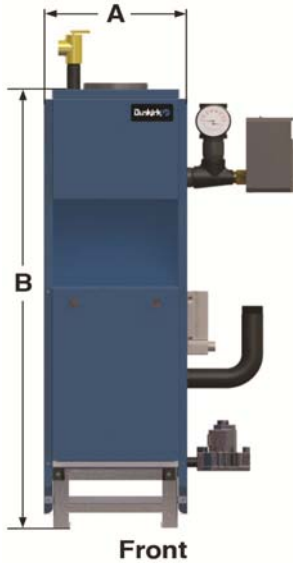
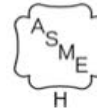
| (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)        | PN        | TRADE |
|--|-----------|-------|
| XEB NATURAL GAS TO LP CONVERSION KIT (ALL SIZES)       | 550002722 | \$84  |
| XEB LP GAS TO NATURAL GAS CONVERSION KIT (ALL SIZES)   | 43300660  | \$92  |
| COMBUSTIBLE FLOOR PLATE FOR ALL CAPACITIES             | 14614032  | \$98  |
| 4" THIMBLE (SIMPSON #915295)                           | 14629014  | \$41  |
| TJERNLUND VH-1-3" SIDE WALL VENT HOOD (XEB-2 TO XEB-5) | 14629010  | \$234 |
| TJERNLUND VH-1-3" SIDE WALL VENT HOOD (XEB-6 TO XEB-7) | 14629011  | \$279 |
| FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS       | 14624002  | \$297 |
| FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH          | 14624003  | \$400 |

**XEB (Series II) - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

- Boiler Control Module: Recessed Honeywell Control (High Limit/Electronic Ignition Control).
- User Display Interface: Digital Temperature Display.
- Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.
- Combustion: Completely Installed and Wired Gas Control System with Titanium Composite Burners and Manifold consisting of: Automatic Redundant Combination Gas Valve, 24 Volt Intermittent Pilot Control, Continuous Retry 100% Shut Off, Combination Pilot Burner/Electrode/Flame Sensor.
- Electrical: 24 Volt Transformer, Service Switch.
- Safety: Flame Roll-Out Safety Shut-Off (Fuse Link) and Pressure Switch (vent safety shutoff) with Spare Fuse Link included.
- Other: Assembled Boiler with Insulated Jacket, Induced Draft Fan, Combination Temperature/Pressure Gauge, Circulator Pump, 3/4" Drain Valve, 30lb. ASME Relief Valve.

**WPSB SERIES II**  
 NATURAL OR PROPANE  
 HOT WATER BOILER  
 (INTEGRAL DRAFT DIVERTER)



**General Information** (See IOM for complete instructions)

| Clearances | Combustible Materials (Required) (1)         |              |
|------------|--|--------------|
|            | (1) Required distances measured from boiler. | Top          |
|            | Rear   | 6" (152 mm)  |
|            | Control Side                                 | 7" (178 mm)  |
|            | Opposite Side                                | 6" (152 mm)  |
|            | Front(Alcove)*                               | 18" (457 mm) |
|            | Flue Connector                               | 6" (152 mm)  |

\*Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.

| Connections | Return/Supply Water | Gas In   |
|-------------|---------------------|----------|
| All Models  | 1-1/4" NPT          | 1/2" NPT |

**Electrical** 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

**Water Content** WPSB-3 - 6.3 Gallons, WPSB-4 - 8.1 Gallons, WPSB-5 - 9.9 Gallons, WPSB-6 - 11.7 Gallons, WPSB-7 - 13.5 Gallons, WPSB-8 - 15.3 Gallons, WPSB-9 - 17.2 Gallons

**Dimensions (Note: Add 5 1/2" to height for Vent Damper).**

| Model  | A "Width" | B "Height" | C "Depth" |
|--------|-----------|------------|-----------|
| WPSB-3 | 11-1/4"   | 36-3/8"    | 26-1/2"   |
| WPSB-4 | 14-1/2"   | 36-3/8"    | 26-1/2"   |
| WPSB-5 | 17-3/4"   | 36-3/8"    | 26-1/2"   |
| WPSB-6 | 21"       | 36-3/8"    | 26-1/2"   |
| WPSB-7 | 24-1/4"   | 36-3/8"    | 26-1/2"   |
| WPSB-8 | 27-1/2"   | 36-3/8"    | 26-1/2"   |
| WPSB-9 | 30-3/4"   | 36-3/8"    | 26-1/2"   |

| WPSB SERIES II CONTINUED                                  |                 |             |             |                 |                |               |           |           |
|---|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| (NATURAL GAS - LESS SYSTEM PUMP)                          |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D   | WPS307503200203 | \$2,381     | 75          | 63              | 55             | 84.0          | 5"        | 315       |
| WPSB-4D   | WPS411203200203 | \$2,641     | 112.5       | 94              | 82             | 84.0          | 6"        | 377       |
| WPSB-5D   | WPS515003200203 | \$2,914     | 150         | 126             | 110            | 84.1          | 6"        | 453       |
| WPSB-6D   | WPS618703200203 | \$3,271     | 187.5       | 157             | 137            | 84.1          | 7"        | 534       |
| WPSB-7D   | WPS722503200203 | \$3,579     | 225         | 188             | 163            | 84.0          | 7"        | 601       |
| WPSB-8D   | WPS826203200203 | \$3,859     | 262.5       | 220             | 191            | 83.9          | 7"        | 665       |
| WPSB-9D   | WPS929903200203 | \$4,459     | 299         | 251             | 218            | 83.7          | 7"        | 750       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP)                 |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D   | WPS307503240203 | \$2,453     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4D   | WPS411203240203 | \$2,713     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5D   | WPS515003240203 | \$2,987     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6D   | WPS618703240203 | \$3,344     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7D   | WPS722503240203 | \$3,652     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8D   | WPS826203240203 | \$3,931     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9D   | WPS929903240203 | \$4,532     | 280         | 235             | 204            | 83.7          | 7"        | 750       |
| (NATURAL GAS - WITH TACO ECM SYSTEM PUMP - HIGH ALTITUDE) |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D   | WPS307503242203 | \$2,453     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4D   | WPS411203242203 | \$2,713     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5D   | WPS515003242203 | \$2,987     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6D   | WPS618703242203 | \$3,344     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7D   | WPS722503242203 | \$3,652     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8D   | WPS826203242203 | \$3,931     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9D   | WPS929903242203 | \$4,532     | 280         | 235             | 204            | 83.7          | 7"        | 750       |
| (NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)                 |                 |             |             |                 |                |               |           |           |
| BOILER MODEL  | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D   | WPS307503220203 | \$2,453     | 75          | 63              | 55             | 84.0          | 5"        | 315       |
| WPSB-4D   | WPS411203220203 | \$2,713     | 112.5       | 94              | 82             | 84.0          | 6"        | 377       |
| WPSB-5D   | WPS515003220203 | \$2,987     | 150         | 126             | 110            | 84.1          | 6"        | 453       |
| WPSB-6D   | WPS618703220203 | \$3,344     | 187.5       | 157             | 137            | 84.1          | 7"        | 534       |
| WPSB-7D   | WPS722503220203 | \$3,652     | 225         | 188             | 163            | 84.0          | 7"        | 601       |
| WPSB-8D   | WPS826203220203 | \$3,931     | 262.5       | 220             | 191            | 83.9          | 7"        | 665       |
| WPSB-9D   | WPS929903220203 | \$4,532     | 299         | 251             | 218            | 83.7          | 7"        | 750       |

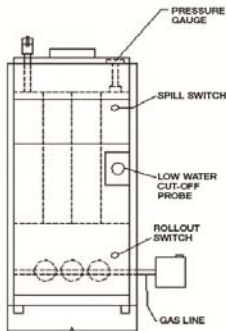
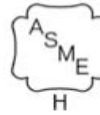
| (NATURAL GAS - WITH B & G SYSTEM PUMP) |                 |             |             |                 |                |               |           |           |
|--|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D                                | WPS307503230203 | \$2,453     | 75          | 63              | 55             | 84.0          | 5"        | 315       |
| WPSB-4D                                | WPS411203230203 | \$2,713     | 112.5       | 94              | 82             | 84.0          | 6"        | 377       |
| WPSB-5D                                | WPS515003230203 | \$2,987     | 150         | 126             | 110            | 84.1          | 6"        | 453       |
| WPSB-6D                                | WPS618703230203 | \$3,344     | 187.5       | 157             | 137            | 84.1          | 7"        | 534       |
| WPSB-7D                                | WPS722503230203 | \$3,652     | 225         | 188             | 163            | 84.0          | 7"        | 601       |
| WPSB-8D                                | WPS826203230203 | \$3,931     | 262.5       | 220             | 191            | 83.9          | 7"        | 665       |
| WPSB-9D                                | WPS929903230203 | \$4,532     | 299         | 251             | 218            | 83.7          | 7"        | 750       |
| (LP GAS - LESS SYSTEM PUMP)            |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D                                | WPS307513200203 | \$2,431     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4D                                | WPS411213200203 | \$2,691     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5D                                | WPS515013200203 | \$2,964     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6D                                | WPS618713200203 | \$3,321     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7D                                | WPS722513200203 | \$3,629     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8D                                | WPS826213200203 | \$3,909     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9D                                | WPS929913200203 | \$4,509     | 280         | 235             | 204            | 83.7          | 7"        | 750       |
| (LP GAS - WITH TACO ECM SYSTEM PUMP)   |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3DP                               | WPS307513240203 | \$2,503     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4DP                               | WPS411213240203 | \$2,763     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5DP                               | WPS515013240203 | \$3,037     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6DP                               | WPS618713240203 | \$3,394     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7DP                               | WPS722513240203 | \$3,702     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8DP                               | WPS826213240203 | \$3,981     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9DP                               | WPS929913240203 | \$4,582     | 280         | 235             | 204            | 83.7          | 7"        | 750       |
| (LP GAS - WITH GRUNDFOS SYSTEM PUMP)   |                 |             |             |                 |                |               |           |           |
| BOILER MODEL                           | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D                                | WPS307513220203 | \$2,503     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4D                                | WPS411213220203 | \$2,763     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5D                                | WPS515013220203 | \$3,037     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6D                                | WPS618713220203 | \$3,394     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7D                                | WPS722513220203 | \$3,702     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8D                                | WPS826213220203 | \$3,981     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9D                                | WPS929913220203 | \$4,582     | 280         | 235             | 204            | 83.7          | 7"        | 750       |



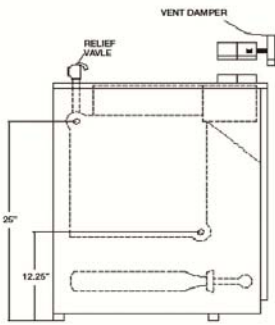
| WPSB SERIES II SERIES CONTINUED  |                 |             |             |                 |                |               |           |           |
|--|-----------------|-------------|-------------|-----------------|----------------|---------------|-----------|-----------|
| (LP GAS - WITH B & G SYSTEM PUMP)  |                 |             |             |                 |                |               |           |           |
| BOILER MODEL   | ITEM NUMBER     | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | FLUE DIA. | SHIP WGT. |
| WPSB-3D  | WPS307513230203 | \$2,503     | 70          | 59              | 51             | 84.0          | 5"        | 315       |
| WPSB-4D  | WPS411213230203 | \$2,763     | 105         | 88              | 77             | 84.0          | 6"        | 377       |
| WPSB-5D  | WPS515013230203 | \$3,037     | 140         | 118             | 103            | 84.1          | 6"        | 453       |
| WPSB-6D  | WPS618713230203 | \$3,394     | 175         | 147             | 128            | 84.1          | 7"        | 534       |
| WPSB-7D  | WPS722513230203 | \$3,702     | 210         | 176             | 153            | 84.0          | 7"        | 601       |
| WPSB-8D  | WPS826213230203 | \$3,981     | 245         | 206             | 179            | 83.9          | 7"        | 665       |
| WPSB-9D  | WPS929913230203 | \$4,582     | 280         | 235             | 204            | 83.7          | 7"        | 750       |
| (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)  |                 |             |             |                 |                | PN            | TRADE     |           |
| 3 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300723      | \$51      |           |
| 4 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300724      | \$51      |           |
| 5 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300725      | \$51      |           |
| 6 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300726      | \$61      |           |
| 7 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300727      | \$61      |           |
| 8 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300728      | \$61      |           |
| 9 SECTION NATURAL GAS TO LP GAS CONVERSION KIT   |                 |             |             |                 |                | 43300729      | \$61      |           |
| 4 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300632      | \$133     |           |
| 5 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300633      | \$133     |           |
| 6 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300634      | \$133     |           |
| 7 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300635      | \$133     |           |
| 8 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300636      | \$133     |           |
| 9 SECTION LP GAS TO NATURAL GAS CONVERSION KIT   |                 |             |             |                 |                | 43300637      | \$159     |           |
| COMBUSTIBLE FLOOR PLATE FOR ALL CAPACITIES   |                 |             |             |                 |                | 14614032      | \$98      |           |
| FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS   |                 |             |             |                 |                | 14624002      | \$297     |           |
| FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH  |                 |             |             |                 |                | 14624003      | \$400     |           |
| WPSB SERIES II - STANDARD EQUIPMENT  |                 |             |             |                 |                |               |           |           |
| <b><u>STANDARD EQUIPMENT:</u></b>  |                 |             |             |                 |                |               |           |           |
| - Boiler Control Module: Fuel Smart Hydrostat Temperature Limit, LWCO and Boiler Reset Control with Circulator Relay and Domestic Hot Water Input Override.  |                 |             |             |                 |                |               |           |           |
| - User Display Interface: Temperature LED Display with dial-type settings and diagnostic indicator lights  |                 |             |             |                 |                |               |           |           |
| - Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.  |                 |             |             |                 |                |               |           |           |
| - Combustion: Completely Installed and Wired Gas Control System consisting of: Titanium Composite Burners, Gas Manifold with Orifices, Automatic Redundant Combination Gas Valve, 24 Volt with Pilot Filter and Regulator Intermittent Pilot Control, Continuous Retry 100% Shut Off, Combination Pilot Burner/Electrode/Flame Sensor. |                 |             |             |                 |                |               |           |           |
| - Safety: Flame Roll-Out Safety Shut-Off (Fuse Link) and Blocked Vent Safety Shut-Off Manual Reset Disc Thermostat (Spill Switch) with Spare Fuse Link included.   |                 |             |             |                 |                |               |           |           |
| - Other: Assembled Boiler with Insulated Jacket, Integral Draft Diverter, Vent Damper, Combination Temperature/Pressure Gauge, Circulator Pump Wired with 5' Harness for Supply or Return Field Mounting, 3/4" Drain Valve, 30lb. ASME Relief Valve.   |                 |             |             |                 |                |               |           |           |

**PSB SERIES**  
 NATURAL OR PROPANE  
 STEAM BOILER

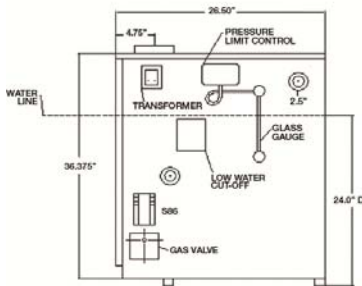
15 psi  
 MAWP



Front



Left Side



Right Side



**General Information** (See IOM for complete instructions)

| Clearances | Combustible Materials (Required) (1)         |             |
|------------|--|-------------|
|            | (1) Required distances measured from boiler. | Top         |
|            | Rear   | 6" (152 mm) |
|            | Control Side                                 | 7" (178 mm) |
|            | Opposite Side                                | 6" (152 mm) |
|            | Front  | *Alcove     |
|            | Flue Connector                               | 6" (152 mm) |

\*Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.

| Connections | Supply      | Return          |
|-------------|-------------|-----------------|
|             |             | Two 2-1/2"      |
| Gas In      | 075/112/150 | 187/225/262/299 |
|             | 1/2" NPT    | 3/4" NPT        |

**Electrical** 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

| Dimensions |           |
|------------|-----------|
| Model      | A "Width" |
| PSB-3D     | 11-1/4"   |
| PSB-4D     | 14-1/2"   |
| PSB-5D     | 17-3/4"   |
| PSB-6D     | 21"       |
| PSB-7D     | 24-1/4"   |
| PSB-8D     | 27-1/2"   |
| PSB-9D     | 30-3/4"   |

**PSB SERIES CONTINUED**

**(NATURAL GAS)**

| BOILER MODEL | ITEM NUMBER | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AHRI NET SQ. FT. STEAM | AFUE RATING % | FLUE DIA. | SHIP WGT. |
|--------------|-------------|-------------|-------------|-----------------|----------------|------------------------|---------------|-----------|-----------|
| PSB-3D       | 353001000   | \$2,723     | 75          | 62              | 47             | 196                    | 82.7          | 5"        | 297       |
| PSB-4D       | 354001000   | \$2,974     | 112         | 91              | 68             | 283                    | 82.0          | 6"        | 368       |
| PSB-5D       | 355001000   | \$3,352     | 150         | 122             | 92             | 383                    | 82.0          | 6"        | 440       |
| PSB-6D       | 356001000   | \$3,818     | 187         | 153             | 115            | 479                    | 82.0          | 7"        | 512       |
| PSB-7D       | 357001000   | \$4,211     | 225         | 183             | 137            | 571                    | 82.0          | 7"        | 584       |
| PSB-8D       | 358001000   | \$4,656     | 262         | 214             | 161            | 671                    | 82.0          | 7"        | 659       |
| PSB-9D       | 359001000   | \$4,904     | 299         | 245             | 184            | 767                    | 82.0          | 7"        | 736       |

**(LP GAS)**

| BOILER MODEL | ITEM NUMBER | TRADE PRICE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AHRI NET SQ. FT. STEAM | AFUE RATING % | FLUE DIA. | SHIP WGT. |
|--------------|-------------|-------------|-------------|-----------------|----------------|------------------------|---------------|-----------|-----------|
| PSB-3D       | 353004000   | \$2,773     | 70.0        | 58              | 44             | 183                    | 82.7          | 5"        | 297       |
| PSB-4D       | 354004000   | \$3,024     | 105.0       | 85              | 64             | 267                    | 80.4          | 6"        | 368       |
| PSB-5D       | 355004000   | \$3,402     | 140.0       | 114             | 86             | 358                    | 80.6          | 6"        | 440       |
| PSB-6D       | 356004000   | \$3,868     | 175.0       | 143             | 107            | 446                    | 80.9          | 7"        | 512       |
| PSB-7D       | 357004000   | \$4,261     | 210.0       | 171             | 128            | 533                    | 81.1          | 7"        | 584       |
| PSB-8D       | 358004000   | \$4,708     | 245.0       | 200             | 150            | 625                    | 81.3          | 7"        | 659       |
| PSB-9D       | 359004000   | \$4,954     | 280.0       | 229             | 172            | 717                    | 81.5          | 7"        | 736       |

**(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)**

|   | PN       | TRADE |
|---|----------|-------|
| 3 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300723 | \$51  |
| 4 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300724 | \$51  |
| 5 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300725 | \$51  |
| 6 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300726 | \$61  |
| 7 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300727 | \$61  |
| 8 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300728 | \$61  |
| 9 SECTION NATURAL GAS TO LP GAS CONVERSION KIT      | 43300729 | \$61  |
| 4 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300632 | \$133 |
| 5 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300633 | \$133 |
| 6 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300634 | \$133 |
| 7 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300635 | \$133 |
| 8 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300636 | \$133 |
| 9 SECTION LP GAS TO NATURAL GAS CONVERSION KIT      | 43300637 | \$159 |
| MCDONNELL & MILLER WF-2U-24 ELECTRONIC WATER FEEDER | 1630001  | \$474 |
| COMBUSTIBLE FLOOR PLATE FOR ALL CAPACITIES          | 14614032 | \$98  |

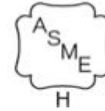
**PSB SERIES - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

- Boiler Control Module: Electronic Low Water Cut-Off with 3/4" Probe, Pressure Limit Control, Steam Pressure Gauge and Glass Water Level Gauge.
- Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.
- Combustion: Completely installed and wired gas control system consisting of: Titanium Composite Burners, Gas Manifold with Orifices, Automatic Redundant Combination Gas Valve, 24 Volt, with Pilot Filter and Regulator, Intermittent Pilot Control, Continuous Retry 100% Shut-Off; Combination Pilot Burner/Electrode/Flame Sensor and Integral Draft Diverter.
- Electrical: 24 Volt Transformer.
- Safety: Flame Roll-Out Safety Shut-Off Fuse Link (Roll-Out Switch) and Blocked Vent Safety Shut-Off Manual Reset Disc Thermostat (Spill Switch) with Spare Fuse Link included.
- Other: Assembled Boiler with Insulated Jacket, 3/4" Boiler Drain Valve, 15 psi ASME Pop Safety Valve, (2) 2 1/2" Supply Tappings and (2) 2 1/2" Return Tappings (2) 2 1/2" Square Head Pipe Plugs - to plug unused supply and return tappings.

**D249 SERIES**

GAS FIRED  
COMMERICAL STEAM BOILER



**D249 SERIES STEAM  
(STANDARD MODEL)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | INPUT BTU (MBH) | THERM. EFF. | OUT-PUT BTU (MBH) | NET AHRI RATINGS |               |                 | NO. OF SEC. | SHIP WGT. |
|--------------|-----------------|-------------|-----------------|-------------|-------------------|------------------|---------------|-----------------|-------------|-----------|
|              |                 |             |                 |             |                   | STEAM PPF        | STEAM SQ. FT. | STEAM BTU (MBH) |             |           |
| D249300S     | CBA030003101103 | \$8,028     | 300             | 77%         | 233               | 1.33             | 729           | 175             | 4           | 1000      |
| D249400S     | CBA040003101103 | \$9,033     | 400             | 77%         | 310               | 1.33             | 971           | 233             | 5           | 1200      |
| D249500S     | CBA050003101103 | \$10,040    | 500             | 77%         | 388               | 1.33             | 1213          | 291             | 6           | 1400      |
| D249600S     | CBA060003101103 | \$13,055    | 600             | 77%         | 465               | 1.33             | 1454          | 349             | 7           | 1600      |
| D249700S     | CBA070003101103 | \$14,063    | 700             | 77%         | 543               | 1.33             | 1696          | 407             | 8           | 1800      |
| D249800S     | CBA080003101103 | \$15,110    | 800             | 77%         | 620               | 1.33             | 1938          | 465             | 9           | 2000      |
| D249900S     | CBA090003101103 | \$16,219    | 900             | 77%         | 698               | 1.33             | 2183          | 524             | 10          | 2200      |
| D2491000S    | CBA100003101103 | \$17,217    | 1000            | 77%         | 775               | 1.33             | 2421          | 581             | 11          | 2400      |
| D2491100S    | CBA110003101103 | \$20,213    | 1100            | 77%         | 853               | 1.33             | 2667          | 640             | 12          | 2600      |
| D2491200S    | CBA120003101103 | \$21,321    | 1200            | 77%         | 930               | 1.33             | 2908          | 698             | 13          | 2900      |
| D2491300S    | CBA130003101103 | \$22,913    | 1300            | 77%         | 1008              | 1.33             | 3150          | 756             | 14          | 3100      |
| D2491400S    | CBA140003101103 | \$23,922    | 1400            | 77%         | 1085              | 1.33             | 3392          | 814             | 15          | 3300      |
| D2491500S    | CBA150003101103 | \$24,952    | 1500            | 77%         | 1163              | 1.33             | 3633          | 872             | 16          | 3500      |

**(CSD-1 GRAVITY RETURN SYSTEM)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | INPUT BTU (MBH) | THERM. EFF. | OUT-PUT BTU (MBH) | NET AHRI RATINGS |               |                 | NO. OF SEC. | SHIP WGT. |
|--------------|-----------------|-------------|-----------------|-------------|-------------------|------------------|---------------|-----------------|-------------|-----------|
|              |                 |             |                 |             |                   | STEAM PPF        | STEAM SQ. FT. | STEAM BTU (MBH) |             |           |
| D249300S     | CBA030003103103 | \$8,962     | 300             | 77%         | 233               | 1.33             | 729           | 175             | 4           | 1000      |
| D249400S     | CBA040003103103 | \$9,967     | 400             | 77%         | 310               | 1.33             | 971           | 233             | 5           | 1200      |
| D249500S     | CBA050003103103 | \$10,974    | 500             | 77%         | 388               | 1.33             | 1213          | 291             | 6           | 1400      |
| D249600S     | CBA060003103103 | \$15,048    | 600             | 77%         | 465               | 1.33             | 1454          | 349             | 7           | 1600      |
| D249700S     | CBA070003103103 | \$16,075    | 700             | 77%         | 543               | 1.33             | 1696          | 407             | 8           | 1800      |
| D249800S     | CBA080003103103 | \$17,084    | 800             | 77%         | 620               | 1.33             | 1938          | 465             | 9           | 2000      |
| D249900S     | CBA090003103103 | \$18,225    | 900             | 77%         | 698               | 1.33             | 2183          | 524             | 10          | 2200      |
| D2491000S    | CBA100003103103 | \$19,228    | 1000            | 77%         | 775               | 1.33             | 2421          | 581             | 11          | 2400      |
| D2491100S    | CBA110003103103 | \$22,726    | 1100            | 77%         | 853               | 1.33             | 2667          | 640             | 12          | 2600      |
| D2491200S    | CBA120003103103 | \$23,746    | 1200            | 77%         | 930               | 1.33             | 2908          | 698             | 13          | 2900      |
| D2491300S    | CBA130003103103 | \$25,336    | 1300            | 77%         | 1008              | 1.33             | 3150          | 756             | 14          | 3100      |
| D2491400S    | CBA140003103103 | \$26,347    | 1400            | 77%         | 1085              | 1.33             | 3392          | 814             | 15          | 3300      |
| D2491500S    | CBA150003103103 | \$27,342    | 1500            | 77%         | 1163              | 1.33             | 3633          | 872             | 16          | 3500      |

| <b>(CSD-1 BOILER FEED PUMP RETURN CONTROL)</b> |                 |             |                 |             |               |                  |               |                 |             |           |
|--|-----------------|-------------|-----------------|-------------|---------------|------------------|---------------|-----------------|-------------|-----------|
| BOILER MODEL                                   | ITEM NUMBER     | TRADE PRICE | INPUT BTU (MBH) | THERM. EFF. | OUT-PUT (MBH) | NET AHRI RATINGS |               |                 | NO. OF SEC. | SHIP WGT. |
|  |                 |             |                 |             |               | STEAM PPF        | STEAM SQ. FT. | STEAM BTU (MBH) |             |           |
| D249300S                                       | CBA030003104103 | \$9,922     | 300             | 77%         | 233           | 1.33             | 729           | 175             | 4           | 1000      |
| D249400S                                       | CBA040003104103 | \$10,927    | 400             | 77%         | 310           | 1.33             | 971           | 233             | 5           | 1200      |
| D249500S                                       | CBA050003104103 | \$11,934    | 500             | 77%         | 388           | 1.33             | 1213          | 291             | 6           | 1400      |
| D249600S                                       | CBA060003104103 | \$16,008    | 600             | 77%         | 465           | 1.33             | 1454          | 349             | 7           | 1600      |
| D249700S                                       | CBA070003104103 | \$17,035    | 700             | 77%         | 543           | 1.33             | 1696          | 407             | 8           | 1800      |
| D249800S                                       | CBA080003104103 | \$18,049    | 800             | 77%         | 620           | 1.33             | 1938          | 465             | 9           | 2000      |
| D249900S                                       | CBA090003104103 | \$19,185    | 900             | 77%         | 698           | 1.33             | 2183          | 524             | 10          | 2200      |
| D2491000S                                      | CBA100003104103 | \$20,188    | 1000            | 77%         | 775           | 1.33             | 2421          | 581             | 11          | 2400      |
| D2491100S                                      | CBA110003104103 | \$23,686    | 1100            | 77%         | 853           | 1.33             | 2667          | 640             | 12          | 2600      |
| D2491200S                                      | CBA120003104103 | \$24,706    | 1200            | 77%         | 930           | 1.33             | 2908          | 698             | 13          | 2900      |
| D2491300S                                      | CBA130003104103 | \$26,296    | 1300            | 77%         | 1008          | 1.33             | 3150          | 756             | 14          | 3100      |
| D2491400S                                      | CBA140003104103 | \$27,307    | 1400            | 77%         | 1085          | 1.33             | 3392          | 814             | 15          | 3300      |
| D2491500S                                      | CBA150003104103 | \$28,302    | 1500            | 77%         | 1163          | 1.33             | 3633          | 872             | 16          | 3500      |

**FOR ORDERING KNOCK DOWN OR ALA CARTE**

| <b>D249-COMPONENTS &amp; OPTIONAL EQUIP.</b>      |  | <b>PN</b>   | <b>TRADE</b> |
|---|--|-------------|--------------|
| CAST IRON SECTIONS - RIGHT END (179 LBS.)         |  | 41154050D   | \$903        |
| CAST IRON SECTIONS - LEFT END (182 LBS.)          |  | 41154051D   | \$903        |
| CAST IRON SECTIONS - INTERMEDIATE (165 LBS.)      |  | 41154052D   | \$787        |
| COMPONENT CARTON - 300                            |  | 550002861D  | \$2,401      |
| COMPONENT CARTON - 400                            |  | 550002862D  | \$2,543      |
| COMPONENT CARTON - 500                            |  | 550002863D  | \$2,668      |
| COMPONENT CARTON - 300 CSD-1                      |  | 550002890D  | \$2,803      |
| COMPONENT CARTON - 400 CSD-1                      |  | 550002891D  | \$2,945      |
| COMPONENT CARTON - 500 CSD-1                      |  | 550002892D  | \$3,070      |
| END PANEL CARTON - JACKET                         |  | 550002871D  | \$350        |
| END PANEL CARTON - BASE                           |  | 550002860D  | \$315        |
| STEAM TRIM - SA 1 (SIZES/MODELS: 300 -500)        |  | 41200061D   | \$1,172      |
| STEAM TRIM - SA 2 (SIZES/MODELS: 600 - 700)       |  | 41200062D   | \$1,189      |
| STEAM TRIM - SA 3 (SIZES/MODELS: 800 - 1400)      |  | 41200063D   | \$1,220      |
| STEAM TRIM - SA 4 (SIZES/MODELS: 1500)            |  | 41200064D   | \$1,233      |
| ACCESSORY CARTON - 300                            |  | 550002877DS | \$410        |
| ACCESSORY CARTON - 400                            |  | 550002878DS | \$486        |
| ACCESSORY CARTON - 500                            |  | 550002867DS | \$581        |
| ACCESSORY CARTON - 600                            |  | 550002879DS | \$658        |
| ACCESSORY CARTON - 700                            |  | 550002880DS | \$737        |
| ACCESSORY CARTON - 800                            |  | 550002881DS | \$855        |
| ACCESSORY CARTON - 900                            |  | 550002882DS | \$1,016      |
| ACCESSORY CARTON - 1000                           |  | 550002868DS | \$1,107      |
| ACCESSORY CARTON - 1100                           |  | 550002883DS | \$1,265      |
| ACCESSORY CARTON - 1200                           |  | 550002884DS | \$1,331      |
| ACCESSORY CARTON - 1300                           |  | 550002885DS | \$2,028      |
| ACCESSORY CARTON - 1400                           |  | 550002886DS | \$2,108      |
| ACCESSORY CARTON - 1500                           |  | 550002869DS | \$2,226      |
| CSD-1 STEAM TRIM - GRAVITY/CONDENSATE (ALL SIZES) |  | 41257103D   | \$532        |
| CSD-1 STEAM TRIM - FEED PUMP (ALL SIZES)          |  | 41257104D   | \$1,492      |
| CSD-1 ACCESSORY CARTON - 300                      |  | 550002893DS | \$410        |
| CSD-1 ACCESSORY CARTON - 400                      |  | 550002894DS | \$486        |
| CSD-1 ACCESSORY CARTON - 500                      |  | 550002895DS | \$581        |
| CSD-1 ACCESSORY CARTON - 600                      |  | 550002896DS | \$1,315      |
| CSD-1 ACCESSORY CARTON - 700                      |  | 550002897DS | \$1,413      |
| CSD-1 ACCESSORY CARTON - 800                      |  | 550002898DS | \$1,498      |
| CSD-1 ACCESSORY CARTON - 900                      |  | 550002899DS | \$1,691      |

| D249-COMPONENTS & OPTIONAL EQUIP. CONTINUED | PN          | TRADE   |
|---|-------------|---------|
| CSD-1 ACCESSORY CARTON - 1000               | 550002900DS | \$1,782 |
| CSD-1 ACCESSORY CARTON - 1100               | 550002901DS | \$1,940 |
| CSD-1 ACCESSORY CARTON - 1200               | 550002902DS | \$2,018 |
| CSD-1 ACCESSORY CARTON - 1300               | 550002903DS | \$2,713 |
| CSD-1 ACCESSORY CARTON - 1400               | 550002904DS | \$2,795 |
| CSD-1 ACCESSORY CARTON - 1500               | 550002905DS | \$2,878 |

**D249 SERIES STEAM CONTINUED**

| (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)  | PN        | TRADE   |
|--|-----------|---------|
| STEAM MANUAL RESET PRESSURE CONTROL (L4079B1033) | 14662311  | \$271   |
| M-M 47-2 LWCO & FEEDER (MODELS 300-1500)         | 1280001   | \$1,218 |
| STRAP ON OPERATING CONTROL (L6006C-1034)         | 14662313  | \$163   |
| LWCO, MAN RESET, CSD-1 APPROVED, SHT PROBE       | 240007388 | \$216   |

**D249 SERIES STEAM - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

D249 Series Gas Fired Steam Boilers are low pressure, sectional, cast iron boilers manufactured in 15 heating sizes. Input range from 300,000 to 1,500,000 Btuh for use in larger sized residences, schools, churches, and commercial or industrial buildings. These boilers can be used in multiples to supply even larger loads. The D249 Series Boiler is a modular design. Bases, Jackets and Drafthoods are designed in three modular sizes and all boilers are field assembled using a combination of one or more of these three modules. Boiler bases are preassembled at the factory with the gas valve, manifold, burners, and pilot installed. All drafthoods have a cleanout panel to provide easy access to flueways for inspection and cleaning. On-site boiler assembly is quick and easy with preassembled bases and easy section by section assembly procedures. The same assembly techniques are used on all sizes, so assemblers become familiar with the equipment and are able to reduce installation time and cost. Steam boilers are designed for use with a maximum working pressure of 15 psig. STANDARD EQUIPMENT - STEAM: (67 Low Water Cut-Off, PA404A Pressuretrol and Syphon Loop, Water Gauge Glass Set with Glass and Rods, Steam Gauge, Pop Safety Valve).

**D249 - COMPONENTS & OPTIONAL EQUIPMENT**

**CSD-1 CONTROL REQUIREMENTS**

The optional CSD-1 controls modify the standard D249 boiler on both the fuel train and the steam trim as follows:

**STEAM BOILER WITH BOILER FEED PUMP RETURN SYSTEM**

- Add SF-500 Hydrolevel Safeguard Manual Reset L.W.C.O.
- Add 150S-B-MD L.W.C.O. and Pump Control
- Delete 67D-1 L.W.C.O.
- Add L404L Manual Reset Pressure Control

**STEAM BOILER WITH GRAVITY OR CONDENSATE PUMP RETURN SYSTEM**

- Add SF-500 Hydrolevel Safeguard Manual Reset L.W.C.O.
  - Add L404C Manual Reset Pressure Control
- The SF-500 L.W.C.O. is the secondary L.W.C.O. to the 67D-1 L.W.C.O. furnished standard with the boiler.

**FUEL TRAIN**

Substitute CSD-1 fuel train(s) for standard which includes (per base): Intermittent Pilot Module (PT#1140007) control Stop w/alarm 1003-612A & (PT#1140008) Control CSD1 Lockout Board BD 1145-2 with manual reset; Independent Pilot Gas Line (Manual shut-off valve, Pressure regulator, Safety shut-off valve); Main Gas Line (Gas Valve, Two leak test cocks, Manual shut-off downstream of the main gas valve).

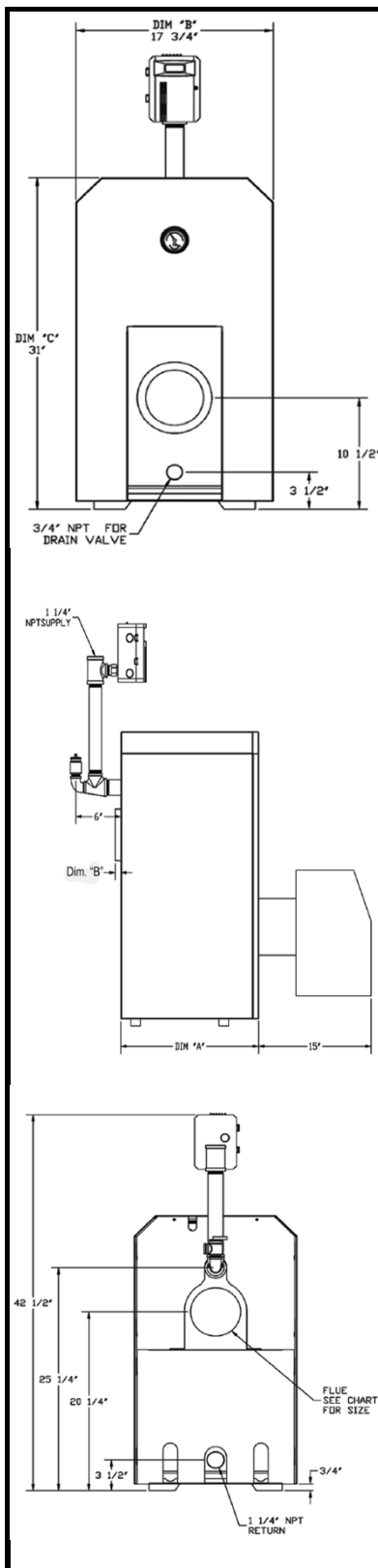
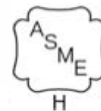
**NOTES:**

1. The D249300S and D249400S do not require fuel train modifications for CSD-1. The standard fuel train is furnished.
2. **Control equipment is included to meet Dunkirk's interpretation of CSD-1. Consult local authorities before the installation of the boiler. Additional controls, if required can be provided at an additional price.**

**EXCELSIOR EXB SERIES**

OIL 3-PASS  
WATER BOILER

65 psi  
MAWP



**General Information** (See IOM for complete instructions)

| Clearances   |                   | Combustible Materials (Required) (1)  | Accessibility, Cleaning & Servicing (2) |
|--|-------------------|---|---|
|  |                   | <b>(1) Required distances measured from boiler jacket or flue.</b>              |   |
|  | <b>Top</b>        | 12" (32 cm)   | 24" (61 cm)                             |
|  | <b>Right Side</b> | 2" (5 cm)   | 24" (61 cm)                             |
|  | <b>Left Side</b>  | 2" (5 cm)   | 24" (61 cm)                             |
| <b>(2) Accessibility, Cleaning &amp; Servicing recommendation.</b> |                   |   |   |
|  | <b>Floor</b>      | Combustible   | N/A                                     |
|  | <b>Front</b>      | 17" (43 cm)   | 24" (61 cm)                             |
|  | <b>Back</b>       | 9" (23 cm)  | 24" (61 cm)                             |
|  | <b>Flue</b>       | 9" (23 cm)  | 9" (23 cm)                              |
| Connections  |                   | Return/Supply Water   |   |
| <b>All Models</b>  |                   | 1-1/4" NPT  |   |
| <b>Electrical</b>  |                   | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |   |
| <b>Water Content</b>   |                   | EXB4 - 3.6 Gallons, EXB5 - 4.3 Gallons, EXB6 - 5.1 Gallons, EXB7 - 5.9 Gallons  |   |
| Dimensions   |                   |   |   |
| Model  | A "Depth"         | B "Width"   | "C Height"                              |
| EXB4   | 18-3/8 (46 cm)    | 17-3/4" (45 cm)   | 31" (79 cm)                             |
| EXB5   | 21-5/8 (56 cm)    | 17-3/4" (45 cm)   | 31" (79 cm)                             |
| EXB6   | 24-7/8 (64 cm)    | 17-3/4" (45 cm)   | 31" (79 cm)                             |
| EXB7   | 28-1/8 (72 cm)    | 17-3/4" (45 cm)   | 31" (79 cm)                             |

All Excelsior EXB boilers are factory equipped for chimney venting. For direct vent installations, order chimney vent boiler less burner, and order appropriate direct vent burner kit, direct vent pipe kit and direct vent termination.

| EXCELSIOR EXB SERIES CONTINUED               |                 |             |             |             |                 |                |               |              |           |           |
|--|-----------------|-------------|-------------|-------------|-----------------|----------------|---------------|--------------|-----------|-----------|
| (BECKETT BURNER - LESS PUMP)                 |                 |             |             |             |                 |                |               |              |           |           |
| BOILER MODEL                                 | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075                                      | EXB407530200203 | \$2,340     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095                                      | EXB409530200203 | \$2,340     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110                                      | EXB411030200203 | \$2,340     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100                                      | EXB510030200203 | \$2,667     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115                                      | EXB511530200203 | \$2,667     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135                                      | EXB513530200203 | \$2,667     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130                                      | EXB613030200203 | \$2,814     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145                                      | EXB614530200203 | \$2,814     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB7165                                      | EXB716530200203 | \$3,212     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| (BECKETT BURNER - WITH TACO ECM SYSTEM PUMP) |                 |             |             |             |                 |                |               |              |           |           |
| BOILER MODEL                                 | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075                                      | EXB407530240203 | \$2,412     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095                                      | EXB409530240203 | \$2,412     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110                                      | EXB411030240203 | \$2,412     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100                                      | EXB510030240203 | \$2,740     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115                                      | EXB511530240203 | \$2,740     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135                                      | EXB513530240203 | \$2,740     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130                                      | EXB613030240203 | \$2,887     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145                                      | EXB614530240203 | \$2,887     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB7165                                      | EXB716530240203 | \$3,284     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| (BECKETT BURNER - WITH GRUNDFOS SYSTEM PUMP) |                 |             |             |             |                 |                |               |              |           |           |
| BOILER MODEL                                 | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075                                      | EXB407530220203 | \$2,412     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095                                      | EXB409530220203 | \$2,412     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110                                      | EXB411030220203 | \$2,412     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100                                      | EXB510030220203 | \$2,740     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115                                      | EXB511530220203 | \$2,740     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135                                      | EXB513530220203 | \$2,740     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130                                      | EXB613030220203 | \$2,887     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145                                      | EXB614530220203 | \$2,887     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB7165                                      | EXB716530220203 | \$3,284     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| (LESS BURNER- WITH TACO ECM SYSTEM PUMP)     |                 |             |             |             |                 |                |               |              |           |           |
| BOILER MODEL                                 | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4110                                      | EXB411020240203 | \$1,786     | 4           | 154         | 132             | 115            | 84.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB5135                                      | EXB513520240203 | \$2,081     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6165                                      | EXB616520240203 | \$2,286     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7190                                      | EXB719020240203 | \$2,633     | 7           | 266         | 228             | 198            | 84.0          |              | 6"        | 620       |
| (LESS BURNER- WITH GRUNDFOS SYSTEM PUMP)     |                 |             |             |             |                 |                |               |              |           |           |
| BOILER MODEL                                 | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4110                                      | EXB411020220203 | \$1,786     | 4           | 154         | 132             | 115            | 84.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB5135                                      | EXB513520220203 | \$2,081     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6165                                      | EXB616520220203 | \$2,286     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7190                                      | EXB719020220203 | \$2,633     | 7           | 266         | 228             | 198            | 84.0          |              | 6"        | 620       |



| <b>(LESS BURNER - LESS PUMP)</b> |                 |             |             |             |                 |                |               |              |           |           |
|----------------------------------|-----------------|-------------|-------------|-------------|-----------------|----------------|---------------|--------------|-----------|-----------|
| BOILER MODEL                     | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4110                          | EXB411020200203 | \$1,714     | 4           | 154         | 132             | 115            | 84.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB5135                          | EXB513520200203 | \$2,008     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6165                          | EXB616520200203 | \$2,213     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7190                          | EXB719020200203 | \$2,560     | 7           | 266         | 228             | 198            | 84.0          |              | 6"        | 620       |

| <b>(RIELLO BURNER - LESS PUMP)</b> |                 |             |             |             |                 |                |               |              |           |           |
|------------------------------------|-----------------|-------------|-------------|-------------|-----------------|----------------|---------------|--------------|-----------|-----------|
| BOILER MODEL                       | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075                            | EXB407550200203 | \$2,404     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095                            | EXB409550200203 | \$2,404     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110                            | EXB411050200203 | \$2,404     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100                            | EXB510050200203 | \$2,774     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115                            | EXB511550200203 | \$2,774     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135                            | EXB513550200203 | \$2,774     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130                            | EXB613050200203 | \$2,919     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145                            | EXB614550200203 | \$2,919     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB6165                            | EXB616550200203 | \$3,185     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7165                            | EXB716550200203 | \$3,264     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| EXB7180                            | EXB718050200203 | \$3,530     | 7           | 252         | 217             | 189            | 85.0          |              | 6"        | 620       |
| EXB7190                            | EXB719050200203 | \$3,530     | 7           | 266         | 228             | 198            | 84.0          | 8"x 8"x20'   | 6"        | 620       |

| <b>(RIELLO BURNER - WITH TACO ECM SYSTEM PUMP)</b> |                 |             |             |             |                 |                |               |              |           |           |
|--|-----------------|-------------|-------------|-------------|-----------------|----------------|---------------|--------------|-----------|-----------|
| BOILER MODEL                                       | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075  | EXB407550240203 | \$2,477     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095  | EXB409550240203 | \$2,477     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110  | EXB411050240203 | \$2,477     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100  | EXB510050240203 | \$2,847     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115  | EXB511550240203 | \$2,847     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135  | EXB513550240203 | \$2,847     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130  | EXB613050240203 | \$2,992     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145  | EXB614550240203 | \$2,992     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB6165  | EXB616550240203 | \$3,258     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7165  | EXB716550240203 | \$3,337     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| EXB7180  | EXB718050240203 | \$3,603     | 7           | 252         | 217             | 189            | 85.0          |              | 6"        | 620       |
| EXB7190  | EXB719050240203 | \$3,603     | 7           | 266         | 228             | 198            | 84.0          | 8"x 8"x20'   | 6"        | 620       |

| <b>(RIELLO BURNER - WITH GRUNDFOS SYSTEM PUMP)</b> |                 |             |             |             |                 |                |               |              |           |           |
|--|-----------------|-------------|-------------|-------------|-----------------|----------------|---------------|--------------|-----------|-----------|
| BOILER MODEL                                       | ITEM NUMBER     | TRADE PRICE | NO. OF SEC. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AFUE RATING % | CHIMNEY SIZE | FLUE DIA. | SHIP WGT. |
| EXB4075  | EXB407550220203 | \$2,477     | 4           | 105         | 91              | 79             | 86.0          | 8"x 8"x15'   | 5"        | 436       |
| EXB4095  | EXB409550220203 | \$2,477     | 4           | 133         | 114             | 99             | 85.0          |              | 5"        | 436       |
| EXB4110  | EXB411050220203 | \$2,477     | 4           | 154         | 132             | 115            | 84.0          |              | 5"        | 436       |
| EXB5100  | EXB510050220203 | \$2,847     | 5           | 140         | 122             | 106            | 86.5          |              | 5"        | 496       |
| EXB5115  | EXB511550220203 | \$2,847     | 5           | 161         | 139             | 121            | 85.0          |              | 5"        | 496       |
| EXB5135  | EXB513550220203 | \$2,847     | 5           | 189         | 161             | 140            | 84.0          |              | 5"        | 496       |
| EXB6130  | EXB613050220203 | \$2,992     | 6           | 182         | 159             | 138            | 86.5          |              | 5"        | 560       |
| EXB6145  | EXB614550220203 | \$2,992     | 6           | 203         | 176             | 153            | 85.0          |              | 5"        | 560       |
| EXB6165  | EXB616550220203 | \$3,258     | 6           | 231         | 198             | 172            | 84.0          |              | 5"        | 560       |
| EXB7165  | EXB716550220203 | \$3,337     | 7           | 231         | 201             | 175            | 86.0          |              | 6"        | 620       |
| EXB7180  | EXB718050220203 | \$3,603     | 7           | 252         | 217             | 189            | 85.0          |              | 6"        | 620       |
| EXB7190  | EXB719050220203 | \$3,603     | 7           | 266         | 228             | 198            | 84.0          | 8"x 8"x20'   | 6"        | 620       |

| <b>EXCELSIOR EXB SERIES CONTINUED</b>  |                   |                   |                |
|--|-------------------|-------------------|----------------|
| <b>EXCELSIOR EXB SERIES - VENTING OPTIONS/ADD. EQUIPMENT</b>                                     |                   | <b>PN</b>         | <b>TRADE</b>   |
| <b>36" RISER TERMINATION</b>   |                   | <b>29231D</b>     | <b>\$1,087</b> |
| <b>STANDARD TERMINATION</b>  |                   | <b>28972D</b>     | <b>\$463</b>   |
| <b>4" ID X 10 FT DIRECT VENT PIPE KIT (SELECT TERMINATION)</b>                                   |                   | <b>550003419D</b> | <b>\$532</b>   |
| <b>4" ID X 15 FT DIRECT VENT PIPE KIT (SELECT TERMINATION)</b>                                   |                   | <b>550003420D</b> | <b>\$637</b>   |
| <b>4" ID X 20 FT DIRECT VENT PIPE KIT (SELECT TERMINATION)</b>                                   |                   | <b>550003421D</b> | <b>\$750</b>   |
| <b>SELECT DIRECT VENT BURNER FROM REPLACEMENT BURNERS LISTED BELOW</b>                           |                   |                   |                |
| <b>(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)</b>   |                   | <b>PN</b>         | <b>TRADE</b>   |
| <b>KIT, HIGH LIMIT MANUAL RESET L4006E1109 WITH PLUG IN HARNESS</b>                              |                   | <b>550001929</b>  | <b>\$225</b>   |
| <b>FILL-TROL FOR WATER BOILERS 150 MBH OR LESS</b>   |                   | <b>14624002</b>   | <b>\$297</b>   |
| <b>FILL-TROL FOR WATER BOILERS OVER 150 MBH</b>  |                   | <b>14624003</b>   | <b>\$400</b>   |
| <b>REPLACEMENT BURNERS</b>   |                   |                   |                |
| <b>DESCRIPTION</b>   | <b>MODEL</b>      | <b>PN</b>         | <b>TRADE</b>   |
| <b>Oil Burner - Beckett Chimney Vent w/o Cover Model AFG except 5115 &amp; 5135 use Model NX</b> | <b>4075</b>       | <b>240007232D</b> | <b>\$584</b>   |
|  | <b>4095</b>       | <b>240009385D</b> | <b>\$584</b>   |
|  | <b>4110</b>       | <b>240009386D</b> | <b>\$584</b>   |
|  | <b>5100</b>       | <b>240007233D</b> | <b>\$619</b>   |
|  | <b>5115</b>       | <b>240009387D</b> | <b>\$619</b>   |
|  | <b>5135</b>       | <b>240009388D</b> | <b>\$619</b>   |
|  | <b>6130</b>       | <b>240007234D</b> | <b>\$559</b>   |
|  | <b>6145</b>       | <b>240009389D</b> | <b>\$559</b>   |
|  | <b>7165</b>       | <b>240007235D</b> | <b>\$612</b>   |
| <b>Oil Burner - Same as above w/Cover</b>  | <b>4075</b>       | <b>240007144D</b> | <b>\$626</b>   |
|  | <b>4095</b>       | <b>240009377D</b> | <b>\$626</b>   |
|  | <b>4110</b>       | <b>240009378D</b> | <b>\$626</b>   |
|  | <b>5100</b>       | <b>240007145D</b> | <b>\$660</b>   |
|  | <b>5115</b>       | <b>240009379D</b> | <b>\$660</b>   |
|  | <b>5135</b>       | <b>240009380D</b> | <b>\$660</b>   |
|  | <b>6130</b>       | <b>240007146D</b> | <b>\$600</b>   |
|  | <b>6145</b>       | <b>240009381D</b> | <b>\$600</b>   |
| <b>Oil Burner - Beckett Direct Vent Model NX</b>   | <b>7165</b>       | <b>240007183D</b> | <b>\$651</b>   |
|  | <b>4075</b>       | <b>240007531D</b> | <b>\$747</b>   |
|  | <b>4095</b>       | <b>240009393D</b> | <b>\$747</b>   |
|  | <b>5100</b>       | <b>240007532D</b> | <b>\$779</b>   |
|  | <b>5115</b>       | <b>240009395D</b> | <b>\$779</b>   |
|  | <b>5135</b>       | <b>240009396D</b> | <b>\$779</b>   |
| <b>Oil Burner - Riello Chimney Vent Model 40F</b>  | <b>6130</b>       | <b>240007533D</b> | <b>\$720</b>   |
|  | <b>4075</b>       | <b>240007502D</b> | <b>\$690</b>   |
|  | <b>4095</b>       | <b>240009399D</b> | <b>\$690</b>   |
|  | <b>4110</b>       | <b>240009400D</b> | <b>\$690</b>   |
|  | <b>5100</b>       | <b>240007503D</b> | <b>\$767</b>   |
|  | <b>5115</b>       | <b>240009401D</b> | <b>\$767</b>   |
|  | <b>5135</b>       | <b>550002638D</b> | <b>\$767</b>   |
|  | <b>6130</b>       | <b>550002639D</b> | <b>\$705</b>   |
|  | <b>6145</b>       | <b>550002640D</b> | <b>\$705</b>   |
|  | <b>6165</b>       | <b>240009404D</b> | <b>\$971</b>   |
|  | <b>7165</b>       | <b>240007505D</b> | <b>\$705</b>   |
|  | <b>7180</b>       | <b>550002641D</b> | <b>\$971</b>   |
| <b>Oil Burner - Riello Direct Vent Model 40BF</b>  | <b>7190</b>       | <b>240009406D</b> | <b>\$971</b>   |
|  | <b>4075</b>       | <b>240007528D</b> | <b>\$1,008</b> |
|  | <b>4095</b>       | <b>240009407D</b> | <b>\$1,008</b> |
|  | <b>4110</b>       | <b>240009408D</b> | <b>\$1,008</b> |
|  | <b>5100</b>       | <b>240007529D</b> | <b>\$1,082</b> |
|  | <b>5115</b>       | <b>240009409D</b> | <b>\$1,082</b> |
|  | <b>5135</b>       | <b>240009410D</b> | <b>\$1,082</b> |
| <b>6130</b>  | <b>240007530D</b> | <b>\$1,022</b>    |                |

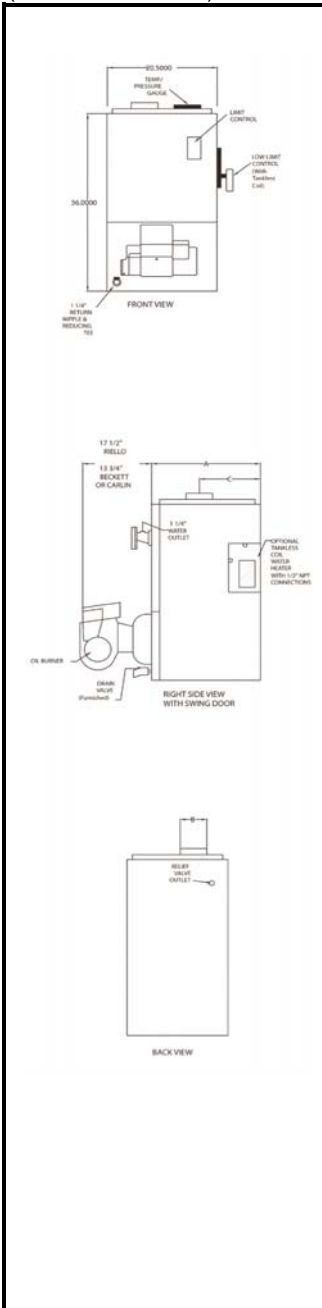
**EXCELSIOR EXB SERIES CONTINUED****REPLACEMENT BURNERS**

| DESCRIPTION                            | MODEL | PN         | TRADE |
|--|-------|------------|-------|
| Oil Burner - Carlin Chimney Vent EZ-LF | 4075  | 240010357D | \$631 |
|  | 4095  |            |       |
|  | 4110  |            |       |
|  | 5100  |            |       |
|  | 5115  |            |       |
| 5135                                   |       |            |       |

**EXB SERIES - STANDARD EQUIPMENT****STANDARD EQUIPMENT:**

- Boiler Control Module: Hydrolevel Fuel Smart HydroStat Control - combination Low Water Cut Off with boiler temperature reset and circulator control.
- User Display Interface: Digital display with easy to set dial-type limit settings.
- Heat Exchanger: High efficiency, cast iron, 3-pass design with reversible swing door and target wall. Efficiency baffles/liner by model.
- Combustion: Oil burner with protective cover, flexible oil line.
- Electrical: Wiring harness with Molex connectors. Burner with electrical plug in cord.
- Other: Temperature/pressure gauge, 3/4" ASME relief valve, drain valve, textured painted steel jacket, barometric draft control.

**EW II SERIES III**  
**OIL**  
**HOT WATER BOILER**  
**ATMOSPHERIC**  
**(CHIMNEY VENTED)**



**General Information** (See IOM for complete instructions)

| Clearances  |   | Combustible Materials Required (1) | Servicing (2)                             | Flue to Combustible Clearance |
|---|---|------------------------------------|---|-------------------------------|
| (1) Required distances measured from boiler.            | Top   | 6" (15.2 cm)                       | 24" (61 cm)                               | 9" (22.9 cm)                  |
|   | Left Side   | 6" (15.2 cm)                       | N/A                                       |                               |
|   | Right Side  | 24" (61 cm)                        | N/A                                       |                               |
| (2) Service, proper operation clearance recommendation. | Base  | Non-Combustible                    | N/A                                       |                               |
|   | Front   | 24" (61 cm)                        | N/A                                       |                               |
|   | Back  | 6" (15.2 cm)                       | N/A                                       |                               |
| Connections   | <b>Return/Supply Water</b>  |                                    |   |                               |
| All Models  | 1-1/4" NPT  |                                    |   |                               |
| Electrical  | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended) |                                    |   |                               |
| Water Content   | 3EW - 9.6 Gallons, 4EW - 11.6 Gallons, 5EW - 13.7 Gallons                       |                                    |   |                               |
| <b>Dimensions</b>                                       |   |                                    |   |                               |
| Model   | A "Depth"   | B "Flue"                           | C "Back of Boiler to Center Line of Flue" |                               |
| 3EW   | 14-1/2"   | 6"                                 | 8"  |                               |
| 4EW   | 17-3/4"   | 6"                                 | 9-5/8"                                    |                               |
| 5EW   | 21"   | 6"                                 | 11-1/2"                                   |                               |

## BECKETT BURNER

| LESS PUMP                      |                 |             |                  |             |                 |                |                   |           |                  |           |
|--------------------------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| BOILER MODEL                   | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT.        |           |
| 3EW.65                         | EWB306531200303 | \$2,753     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470              |           |
| 3EW.75                         | EWB307531200303 | \$2,753     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470              |           |
| 3EW1.00                        | EWB310031200303 | \$2,753     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470              |           |
| 4EW.90                         | EWB409031200303 | \$3,239     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545              |           |
| 4EW1.25                        | EWB412531200303 | \$3,239     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545              |           |
| 4EW1.50                        | EWB415031200303 | \$3,239     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545              |           |
| 5EW1.20                        | EWB512031200303 | \$3,915     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630              |           |
| 5EW1.75                        | EWB517531200303 | \$3,915     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630              |           |
| LESS PUMP WITH COIL            |                 |             |                  |             |                 |                |                   |           |                  |           |
| BOILER MODEL                   | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
| 3EW.65                         | EWB306532200303 | \$3,215     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75                         | EWB307532200303 | \$3,215     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00                        | EWB310032200303 | \$3,215     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90                         | EWB409032200303 | \$3,704     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25                        | EWB412532200303 | \$3,704     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50                        | EWB415032200303 | \$3,704     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20                        | EWB512032200303 | \$4,386     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75                        | EWB517532200303 | \$4,386     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |
| TACO ECM SYSTEM PUMP           |                 |             |                  |             |                 |                |                   |           |                  |           |
| BOILER MODEL                   | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT.        |           |
| 3EW.65                         | EWB306531240303 | \$2,827     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470              |           |
| 3EW.75                         | EWB307531240303 | \$2,827     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470              |           |
| 3EW1.00                        | EWB310031240303 | \$2,827     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470              |           |
| 4EW.90                         | EWB409031240303 | \$3,312     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545              |           |
| 4EW1.25                        | EWB412531240303 | \$3,312     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545              |           |
| 4EW1.50                        | EWB415031240303 | \$3,312     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545              |           |
| 5EW1.20                        | EWB512031240303 | \$3,988     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630              |           |
| 5EW1.75                        | EWB517531240303 | \$3,988     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630              |           |
| TACO ECM SYSTEM PUMP WITH COIL |                 |             |                  |             |                 |                |                   |           |                  |           |
| BOILER MODEL                   | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
| 3EW.65                         | EWB306532240303 | \$3,290     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75                         | EWB307532240303 | \$3,290     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00                        | EWB310032240303 | \$3,290     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90                         | EWB409032240303 | \$3,777     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25                        | EWB412532240303 | \$3,777     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50                        | EWB415032240303 | \$3,777     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20                        | EWB512032240303 | \$4,459     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75                        | EWB517532240303 | \$4,459     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

**BECKETT BURNER CONTINUED**

**GRUNDFOS SYSTEM PUMP**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW.65       | EWB306531230303 | \$2,827     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470       |
| 3EW.75       | EWB307531220303 | \$2,827     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470       |
| 3EW1.00      | EWB310031220303 | \$2,827     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW.90       | EWB409031220303 | \$3,312     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545       |
| 4EW1.25      | EWB412531220303 | \$3,312     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545       |
| 4EW1.50      | EWB415031220303 | \$3,312     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545       |
| 5EW1.20      | EWB512031220303 | \$3,988     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630       |
| 5EW1.75      | EWB517531220303 | \$3,988     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630       |

**GRUNDFOS SYSTEM PUMP WITH COIL**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB306532230303 | \$3,290     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75       | EWB307532220303 | \$3,290     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      | EWB310032220303 | \$3,290     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90       | EWB409032220303 | \$3,777     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25      | EWB412532220303 | \$3,777     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      | EWB415032220303 | \$3,777     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20      | EWB512032220303 | \$4,459     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75      | EWB517532220303 | \$4,459     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

**B&G SYSTEM PUMP**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW.75       | EWB307531230303 | \$2,827     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470       |
| 3EW1.00      | EWB310031230303 | \$2,827     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW1.25      | EWB412531230303 | \$3,312     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545       |

**B&G SYSTEM PUMP WITH COIL**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.75       | EWB307532230303 | \$3,290     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      | EWB310032230303 | \$3,290     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW1.25      | EWB412532230303 | \$3,777     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      | EWB415032230303 | \$3,784     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |

**LESS BURNER**

**LESS SYSTEM PUMP**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW1.00      | EWB310021200303 | \$2,141     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW1.50      | EWB415021200303 | \$2,627     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545       |
| 5EW1.75      | EWB517521200303 | \$3,303     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630       |

**LESS SYSTEM PUMP WITH COIL**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW1.00      | EWB310022200303 | \$2,603     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW1.50      | EWB415022200303 | \$3,091     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.75      | EWB517522200303 | \$3,774     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

## LESS BURNER CONTINUED

### TACO ECM SYSTEM PUMP

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW.65       | EWB310021240303 | \$2,215     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470       |
| 3EW.75       |                 |             | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470       |
| 3EW1.00      |                 |             | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW.90       | EWB415021240303 | \$2,700     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545       |
| 4EW1.25      |                 |             | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545       |
| 4EW1.50      |                 |             | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545       |
| 5EW1.20      | EWB517521240303 | \$3,376     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630       |
| 5EW1.75      |                 |             | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630       |

### TACO ECM SYSTEM PUMP WITH COIL

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB310022240303 | \$2,678     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75       |                 |             | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      |                 |             | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90       | EWB415022240303 | \$3,163     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25      |                 |             | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      |                 |             | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20      | EWB517522240303 | \$3,847     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75      |                 |             | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

### GRUNDFOS SYSTEM PUMP

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW.65       | EWB310021220303 | \$2,215     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470       |
| 3EW.75       |                 |             | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470       |
| 3EW1.00      |                 |             | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW.90       | EWB415021220303 | \$2,700     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545       |
| 4EW1.25      |                 |             | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545       |
| 4EW1.50      |                 |             | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545       |
| 5EW1.20      | EWB517521220303 | \$3,376     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630       |
| 5EW1.75      |                 |             | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630       |

### GRUNDFOS SYSTEM PUMP WITH COIL

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB310022220303 | \$2,678     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75       |                 |             | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      |                 |             | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90       | EWB415022220303 | \$3,163     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25      |                 |             | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      |                 |             | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20      | EWB517522220303 | \$3,847     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75      |                 |             | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

## RIELLO BURNER

### RIELLO F5 BURNER - TACO ECM SYSTEM PUMP

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 3EW.65       | EWB306551240303 | \$2,885     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 470       |
| 3EW.75       | EWB307551240303 | \$2,958     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 470       |
| 3EW1.00      | EWB310051240303 | \$2,958     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 470       |
| 4EW.90       | EWB409051240303 | \$3,444     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 545       |
| 4EW1.25      | EWB412551240303 | \$3,444     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 545       |
| 4EW1.50      | EWB415051240303 | \$3,444     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 545       |

### RIELLO F10 BURNER - WITH TACO ECM SYSTEM PUMP

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|-----------|
| 5EW1.20      | EWB512051240303 | \$4,120     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 630       |
| 5EW1.75      | EWB517551240303 | \$4,120     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 630       |

## RIELLO BURNER CONTINUED

### RIELLO F5 BURNER - TACO ECM SYSTEM PUMP WITH COIL

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB306552240303 | \$3,419     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75       | EWB307552240303 | \$3,419     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      | EWB310052240303 | \$3,419     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90       | EWB409052240303 | \$3,909     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25      | EWB412552240303 | \$3,909     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      | EWB415052240303 | \$3,909     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |

### RIELLO F10 BURNER - TACO ECM SYSTEM PUMP WITH COIL

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 5EW1.20      | EWB512052240303 | \$4,913     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75      | EWB517552240303 | \$4,913     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

## CARLIN EZ1 BURNER

### TACO ECM SYSTEM PUMP

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB306571240303 | \$2,827     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' |                  | 470       |
| 3EW.75       | EWB307571240303 | \$2,827     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' |                  | 470       |
| 3EW1.00      | EWB310071240303 | \$2,827     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' |                  | 470       |
| 4EW.90       | EWB409071240303 | \$3,312     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' |                  | 545       |
| 4EW1.25      | EWB412571240303 | \$3,312     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' |                  | 545       |
| 4EW1.50      | EWB415071240303 | \$3,312     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' |                  | 545       |
| 5EW1.20      | EWB512071240303 | \$3,988     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' |                  | 630       |
| 5EW1.75      | EWB517571240303 | \$3,988     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' |                  | 630       |

### TACO ECM SYSTEM PUMP WITH COIL

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | BURNER FIRE RATE | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | A.F.U.E. RATING % | CHIM DIA. | TANK-LESS G.P.M. | SHIP WGT. |
|--------------|-----------------|-------------|------------------|-------------|-----------------|----------------|-------------------|-----------|------------------|-----------|
| 3EW.65       | EWB306572240303 | \$3,290     | 0.65             | 91          | 80              | 70             | 86.3%             | 8"X8"X15' | 2.90             | 470       |
| 3EW.75       | EWB307572240303 | \$3,290     | 0.75             | 105         | 92              | 80             | 85.2%             | 8"X8"X15' | 3.00             | 470       |
| 3EW1.00      | EWB310072240303 | \$3,290     | 1.00             | 140         | 120             | 104            | 84.0%             | 8"X8"X15' | 3.25             | 470       |
| 4EW.90       | EWB409072240303 | \$3,777     | 0.90             | 126         | 111             | 97             | 86.0%             | 8"X8"X15' | 3.15             | 545       |
| 4EW1.25      | EWB412572240303 | \$3,777     | 1.25             | 175         | 151             | 131            | 85.0%             | 8"X8"X15' | 3.50             | 545       |
| 4EW1.50      | EWB415072240303 | \$3,777     | 1.50             | 210         | 179             | 156            | 84.0%             | 8"X8"X15' | 3.75             | 545       |
| 5EW1.20      | EWB512072240303 | \$4,459     | 1.20             | 168         | 147             | 128            | 86.5%             | 8"X8"X15' | 3.45             | 630       |
| 5EW1.75      | EWB517572240303 | \$4,459     | 1.75             | 245         | 210             | 183            | 84.3%             | 8"X8"X15' | 4.00             | 630       |

#### PN

#### TRADE

|                                     |           |         |
|-------------------------------------|-----------|---------|
| *RIELLO BURNER (3 & 4 SECTION)      | 43300005  | \$636   |
| *RIELLO BURNER (5 SECTION)          | 43300010  | \$1,099 |
| *CARLIN EZ-1 BURNER (3 & 4 SECTION) | 43300003  | \$612   |
| *CARLIN EZ-2 BURNER (5 SECTION)     | 43300004  | \$612   |
| *BECKETT EW II AFG (3 & 4 SECTION)  | 550002986 | \$612   |
| *BECKETT EW II AFG (5 SECTION)      | 550002987 | \$612   |

\*NOTE: PURCHASE OF BURNER IN BOX REQUIRES ADDITIONAL PURCHASE OF CORRECT RERATE KIT FROM LIST BELOW.

#### (USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)

#### PN

#### TRADE

|   |           |       |
|---|-----------|-------|
| 3 SECTION BECKETT BURNER RE-RATE KIT, 1.00 GPH          | 550002666 | \$70  |
| 3 SECTION BECKETT BURNER RE-RATE KIT, 0.75 GPH          | 550002676 | \$70  |
| 3 SECTION BECKETT BURNER RE-RATE KIT, 0.65 GPH          | 550002677 | \$70  |
| 4 SECTION BECKETT BURNER RE-RATE KIT, 1.50 GPH          | 550002667 | \$70  |
| 4 SECTION BECKETT BURNER RE-RATE KIT, 1.25 GPH          | 550002675 | \$70  |
| 4 SECTION BECKETT BURNER RE-RATE KIT, 0.90 GPH          | 550002678 | \$70  |
| 5 SECTION BECKETT BURNER RE-RATE KIT, 1.20/1.75 GPH     | 550002668 | \$70  |
| 3 SECTION RIELLO BURNER RE-RATE KIT, 0.65/0.75/1.00 GPH | 550002669 | \$69  |
| 4 SECTION RIELLO BURNER RE-RATE KIT, .090/1.25/1.50 GPH | 550002670 | \$69  |
| 5 SECTION RIELLO BURNER RE-RATE KIT, 1.75 GPH           | 550002671 | \$59  |
| 3 SECTION CARLIN BURNER RE-RATE KIT, 0.65/0.75/1.00 GPH | 550002672 | \$65  |
| 4 SECTION CARLIN BURNER RE-RATE KIT, 0.90/1.25/1.50 GPH | 550002673 | \$65  |
| 5 SECTION CARLIN BURNER RE-RATE KIT, 1.75 GPH           | 550002674 | \$57  |
| FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS        | 14624002  | \$297 |
| FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH           | 14624003  | \$400 |



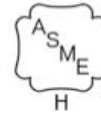
## EW II SERES III - STANDARD EQUIPMENT

### **STANDARD EQUIPMENT:**

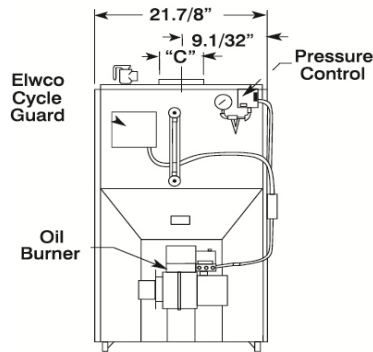
- Boiler Control Module: Hydrolevel Fuel Smart Hydrostat Control - combination Low Water Cut Off with boiler temperature reset and circulator control.
- Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples and Swing Door.
- Combustion: Completely installed and wired Beckett AFG Series Oil Burner (3 & 4 Section F Head; 5 Section MD Head) equipped with Nozzle, Primary Control, CAD Cell, PSC Motor, Interrupted Duty Ignition and Clean Cut Pump; Flue Brush; Swing Fire Door with Insulation (Vacuum Formed Ceramic Fiber), Target Wall (Vacuum Formed Refractory Ceramic Fiber); Dura Blanket Insulation Chamber. Chamber, and Barometric Draft Control 6".
- Other: Assembled Cast Iron Boiler with Insulated Jacket, Combination Temperature/Pressure Gauge, Circulator Pump wired with 5' harness for supply or return mounting in the field, 3/4" Boiler Drain Valve, 30 psi ASME Relief Valve, extra Boiler Tap for Expansion Tank or Air Elimination.

**ESC IV SERIES**

OIL  
STEAM BOILER



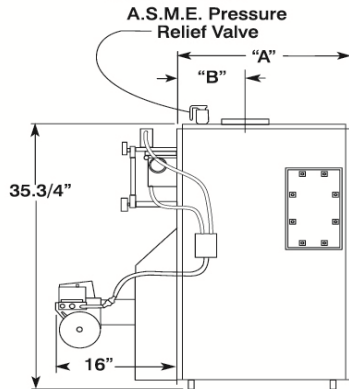
**Front View**



**General Information** (See IOM for complete instructions)

|   |  |              |
|---|--|--------------|
| <b>Clearances</b>                                   | <b>Combustible Materials (Required) (1)</b>  |              |
|   | <b>Top</b>   | 24" (610 mm) |
|   | <b>Left Side (Control Side)</b>  | 6" (152 mm)  |
|   | <b>Right Side</b>  | 24" (610 mm) |
|   | <b>Front</b>   | 24" (610 mm) |
|   | <b>Back</b>  | 24" (610 mm) |
|   | <b>Flue Connector</b>  | 9" (229 mm)  |
| <b>(1) Required distances measured from boiler.</b> |  |              |
| <b>Connections</b>                                  | Supply Tapping Two 2" NPT, Return Tapping 1-1/2", Oil Line 3/8" O.D. copper tubing for runs of 50 feet or less, and 1/2" O.D. for longer runs. |              |
| <b>Electrical</b>                                   | 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)  |              |

**Side View**



**Tankless Heater Capacities** (Note: ST=With Tankless Coil, S=No Coil)

| Model      | Input Rate G.P.H. | Tank-less Heater Number | Tankless Heater Capacity Intermittent Draw G.P.M. | Boiler Water Content (Gallons) |              |
|------------|-------------------|-------------------------|---|--------------------------------|--------------|
|            |                   |                         |   | To Water Line                  | To LWCO Line |
| ESC-3090ST | 0.90              | L-24                    | Avail. On Req.                                    | 11                             | 8            |
| ESC-4125ST | 1.25              |                         | 4.5   | 13                             | 9            |
| ESC-5185ST | 1.85              |                         | 4.5   | 15                             | 10           |
| ESC-6210ST | 2.10              |                         | 4.5   | 15                             | 10           |

**Dimensions**

| No. of Sec. | A (Length of Flush Jacket) | B (Front of Jacket to Center Line of Flue Outlet) | C (Flue Outlet Diameter) |
|-------------|----------------------------|---|--------------------------|
| 3           | 16.375"                    | 6.5"  | 6"                       |
| 4           | 20.25"                     | 8.5"  | 6"                       |
| 5           | 23.875"                    | 10.25"  | 7"                       |
| 6           | 27.5"                      | 8.3125"   | 8"                       |

**ESC IV SERIES CONTINUED**

**(BECKETT BURNER - WITH TANKLESS COVER PLATE)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | No. of Sec. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AHRI NET SQ. FT. STEAM | Fir. Rate GPH | AFUE RATING % | SHIP WGT. |
|--------------|-----------------|-------------|-------------|-------------|-----------------|----------------|------------------------|---------------|---------------|-----------|
| ESC-3090S    | ESC309031100403 | \$3,315     | 3           | 126         | 106             | 80             | 333                    | 0.90          | 82.0%         | 534       |
| ESC-4125S    | ESC412531100403 | \$3,825     | 4           | 175         | 147             | 110            | 458                    | 1.25          | 82.0%         | 688       |
| ESC-5185S    | ESC518531100403 | \$4,149     | 5           | 259         | 216             | 162            | 675                    | 1.85          | 82.0%         | 781       |
| ESC-6210S    | ESC621031100403 | \$4,534     | 6           | 294         | 247             | 185            | 771                    | 2.10          | 82.0%         | 901       |

**(BECKETT BURNER - WITH TANKLESS COIL)**

| BOILER MODEL | ITEM NUMBER     | TRADE PRICE | No. of Sec. | INPUT (MBH) | HTG. CAP. (MBH) | AHRI NET (MBH) | AHRI NET SQ. FT. STEAM | Fir. Rate GPH | AFUE RATING % | SHIP WGT. |
|--------------|-----------------|-------------|-------------|-------------|-----------------|----------------|------------------------|---------------|---------------|-----------|
| ESC-3090ST   | ESC309032100403 | \$3,713     | 3           | 126         | 106             | 80             | 333                    | 0.90          | 82.0%         | 534       |
| ESC-4125ST   | ESC412532100403 | \$4,223     | 4           | 175         | 147             | 110            | 458                    | 1.25          | 82.0%         | 688       |
| ESC-5185ST   | ESC518532100403 | \$4,546     | 5           | 259         | 216             | 162            | 675                    | 1.85          | 82.0%         | 781       |
| ESC-6210ST   | ESC621032100403 | \$4,933     | 6           | 294         | 247             | 185            | 771                    | 2.10          | 82.0%         | 901       |

**ESC IV SERIES - STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:**

Boiler Controls: Honeywell Pressuretrol, Boiler Water Level Gauge Glass, and Steam Pressure Gauge.

Heat Exchanger: Cast Iron Heat Exchanger with Cast Iron Push Nipples, Swing Door.

Combustion: Beckett Oil Burner, Target Wall/Liner.

Electrical: Wiring Harness, Burner Electric Disconnect.

Safety: Electronic Low Water Cut Off.

Other: Crated Boiler, Flush Jacket, ASME Relief Valve, Drain Valve, Plastic Cover, Two 2" Supply Tappings, 1-1/2" Return Tapping and Skim Port.

For Tankless Heater Units: Add Tankless Hot Water Coil and 4006 Limit Control.

**H2O SERIES**  
**STAINLESS STEEL**  
**SINGLE COIL**  
**INDIRECT WATER HEATER**

**H2O I 40 L DK**



Conforms to UL STD 174  
 Certified to CAN/CSA STD C22.2 No. 110-94

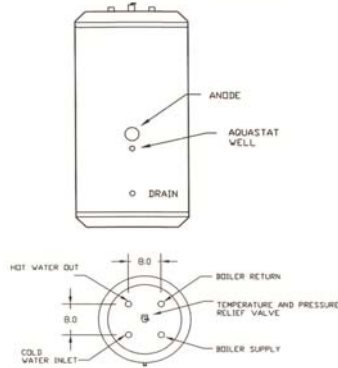
I=Indirect

Capacity:  
 30=30 Gals.  
 40=40 Gals.  
 50=50 Gals.  
 60=60 Gals.  
 80=80 Gals.  
 85=87 Gals.  
 115=115 Gals.

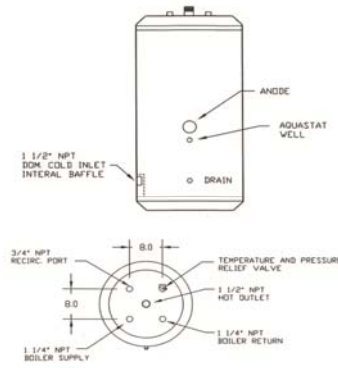
L=Lowboy  
 C=Commercial  
 HO=High Output  
 HOC=High Output  
 Commercial  
 XHO=Extra High  
 Output

DK=Dunkirk

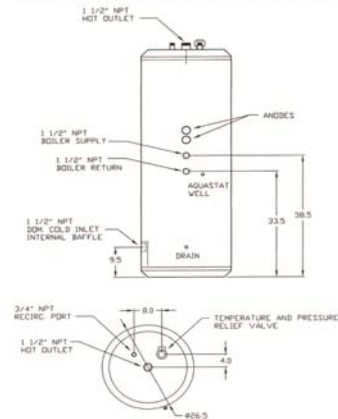
**STANDARD AND HO UNITS**



**HOC UNITS**



**XHOC EXTRA HIGH OUTPUT UNITS**



Note: Max. Working pressure 150 psi for all capacities.

**General Information (See IOM for complete instructions)**

| Model          | Piping Connections NPT         |                              | Height (Inches) | Dia. (Inches) |
|----------------|--------------------------------|------------------------------|-----------------|---------------|
|                | Domestic Water In/Out (Inches) | Boiler Water In/Out (Inches) |                 |               |
| H2OI30DK       | 3/4                            | 1                            | 34.0            | 23.5          |
| H2OI40DK       | 3/4                            | 1                            | 44.0            | 23.5          |
| H2OI40LDK      | 3/4                            | 1                            | 36.0            | 28.0          |
| H2OI50DK       | 3/4                            | 1                            | 54.0            | 23.5          |
| H2OI60DK       | 3/4                            | 1                            | 62.0            | 23.5          |
| H2OI60LDK      | 3/4                            | 1                            | 46.0            | 28.0          |
| H2OI80DK       | 1                              | 1                            | 56.0            | 28.0          |
| H2OI115DK      | 1                              | 1                            | 74.0            | 28.0          |
| H2OI60HODK     | 1                              | 1                            | 62.0            | 23.5          |
| H2OI80HODK     | 1                              | 1                            | 56.0            | 28.0          |
| H2OI80HOC DK   | 1-1/2                          | 1-1/4                        | 56.0            | 28.0          |
| H2OI115HODK    | 1                              | 1                            | 74.0            | 28.0          |
| H2OI115HOC DK  | 1-1/2                          | 1-1/4                        | 74.0            | 28.0          |
| H2OI85XHOC DK  | 1-1/2                          | 1-1/2                        | 64.0            | 28.0          |
| H2OI115XHOC DK | 1-1/2                          | 1-1/2                        | 74.0            | 28.0          |

**H2O SINGLE COIL STAINLESS STEEL INDIRECT WATER HEATERS CONTINUED**

| MODEL          | TRADE PRICE | STOR. CAP. (Gals.) | DESCRIPTION            | MAX. FIRST HOUR RATING Gal./Hr. @ |       | BOILER OUTPUT REQ. (BTU/Hr.) | SHP. WGT. (LBS.) |
|----------------|-------------|--------------------|------------------------|-----------------------------------|-------|------------------------------|------------------|
|                |             |                    |                        | 140°F                             | 115°F |                              |                  |
| H2OI30DK       | \$1,344     | 30                 | STANDARD               | 202                               | 269   | 131,250                      | 85               |
| H2OI40DK       | \$1,382     | 40                 | STANDARD               | 221                               | 292   | 138,670                      | 100              |
| H2OI40LDK      | \$1,473     | 42                 | LOWBOY                 | 212                               | 251   | 132,000                      | 100              |
| H2OI50DK       | \$1,669     | 50                 | STANDARD               | 223                               | 291   | 133,280                      | 110              |
| H2OI60DK       | \$1,996     | 60                 | STANDARD               | 262                               | 342   | 155,700                      | 125              |
| H2OI60LDK      | \$2,053     | 60                 | LOWBOY                 | 239                               | 310   | 138,570                      | 120              |
| H2OI80DK       | \$2,212     | 80                 | STANDARD               | 271                               | 248   | 149,390                      | 140              |
| H2OI115DK      | \$3,284     | 115                | STANDARD               | 324                               | 409   | 165,750                      | 175              |
| H2OI60HODK     | \$2,153     | 60                 | HIGH OUTPUT            | 406                               | 541   | 263,600                      | 145              |
| H2OI80HODK     | \$2,992     | 80                 | HIGH OUTPUT            | 418                               | 551   | 259,640                      | 155              |
| H2OI80HOC DK   | \$3,230     | 80                 | HIGH OUTPUT COMMERCIAL | 442                               | 584   | 227,070                      | 155              |
| H2OI115HODK    | \$4,047     | 115                | HIGH OUTPUT            | 467                               | 607   | 273,100                      | 190              |
| H2OI115HOC DK  | \$4,284     | 115                | HIGH OUTPUT COMMERCIAL | 479                               | 623   | 281,300                      | 190              |
| H2OI85XHOC DK  | \$4,021     | 87                 | EXTRA HIGH OUTPUT      | 738                               | 992   | 495,000                      | 215              |
| H2OI115XHOC DK | \$4,773     | 115                | EXTRA HIGH OUTPUT      | 763                               | 1017  | 495,000                      | 240              |

**H2O SINGLE COIL INDIRECT WATER HEATERS WITH ELECTRIC BACKUP (3500 WATTS)**

| MODEL      | TRADE PRICE | STOR. CAP. (Gals.) | DESCRIPTION      | MAX. FIRST HOUR RATING Gal./Hr. @ |       | SHP. WGT. (LBS.) |
|------------|-------------|--------------------|------------------|-----------------------------------|-------|------------------|
|            |             |                    |                  | 140°F                             | 115°F |                  |
| H2OI60EDK  | \$2,563     | 60                 | ELECTRIC BACK-UP | 254                               | 333.0 | 135              |
| H2OI80EDK  | \$2,868     | 80                 | ELECTRIC BACK-UP | 266                               | 341.0 | 145              |
| H2OI115EDK | \$3,877     | 115                | ELECTRIC BACK-UP | 319                               | 403.0 | 180              |

**H2O SINGLE COIL STANDARD EQUIPMENT**

**Standard Equipment:** Factory installed brass drain and relief valves, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat for field installation and magnesium anode rod(s).

**H2O SINGLE COIL OPTIONS**

**Options:** (L) Low Profile, (C) Commercial, (HO) High Output, (HOC) High Output Commercial, (XHO) Extra High Output, (E) Electric Backup

**H2O SERIES**  
**STAINLESS STEEL**  
**DUAL COIL SOLAR**  
**INDIRECT WATER HEATER**



**H2O**

**I**

**60**

**D**

**E**

**DK**

I = Indirect

Capacity:  
 60 = 60 Gals.  
 80 = 80 Gals.  
 115 = 115 Gals.

D = Dual Coil

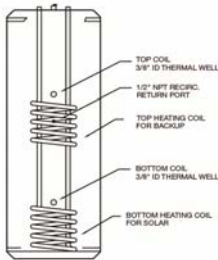
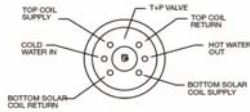
E = Electrical  
 Backup  
 (5500 Watts)

DK = Dunkirk

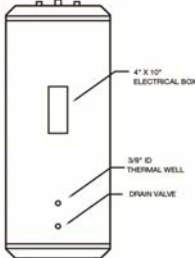
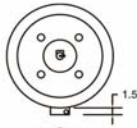
**Intertek**

Conforms to UL STD 174

Certified to CAN/CSA STD C22.2 No. 110-94



**DUAL COIL UNITS**



**ELECTRIC BACKUP UNITS**



Note: Max. Working pressure 150 psi for all capacities.

**General Information** (See IOM for complete instructions)

| Model      | Piping Connections NPT (Inches) | Height (Inches) | Dia. (Inches) |
|------------|---------------------------------|-----------------|---------------|
| H2O160DDK  | 1                               | 62.0            | 23.5          |
| H2O180DDK  | 1                               | 56.0            | 28.0          |
| H2O115DDK  | 1                               | 74.0            | 28.0          |
| H2O160DEDK | 1                               | 62.0            | 23.5          |
| H2O180DEDK | 1                               | 56.0            | 28.0          |
| H2O115DEDK | 1                               | 74.0            | 28.0          |

**H2O DUAL COIL STAINLESS STEEL INDIRECT WATER HEATERS CONTINUED**

| MODEL      | TRADE PRICE | STOR. CAP.<br>(Gals.) | DESCRIPTION           | RECOVERY RATE<br>GAL./HR. |                | SHP. WGT. (LBS.) |
|------------|-------------|-----------------------|-----------------------|---------------------------|----------------|------------------|
|            |             |                       |                       | TOP<br>COIL               | BOTTOM<br>COIL |                  |
| H2OI60DDK  | \$2,648     | 60                    | DUAL COIL<br>INDIRECT | 185                       | 214            | 165              |
| H2OI80DDK  | \$3,015     | 80                    | DUAL COIL<br>INDIRECT | 180                       | 214            | 175              |
| H2OI115DDK | \$3,861     | 115                   | DUAL COIL<br>INDIRECT | 190                       | 214            | 205              |

**H2O DUAL COIL STAINLESS STEEL INDIRECT WATER HEATERS WITH ELECTRIC BACKUP (3500 WATTS)**

| MODEL       | TRADE PRICE | STOR. CAP.<br>(Gals.) | DESCRIPTION                      | RECOVERY RATE<br>GAL./HR. |                | SHP. WGT. (LBS.) |
|-------------|-------------|-----------------------|----------------------------------|---------------------------|----------------|------------------|
|             |             |                       |                                  | TOP<br>COIL               | BOTTOM<br>COIL |                  |
| H2OI60DEDK  | \$3,579     | 60                    | DUAL COIL<br>ELECTRIC<br>BACK-UP | 185                       | 214            | 175              |
| H2OI80DEDK  | \$4,042     | 80                    | DUAL COIL<br>ELECTRIC<br>BACK-UP | 180                       | 214            | 185              |
| H2OI115DEDK | \$5,071     | 115                   | DUAL COIL<br>ELECTRIC<br>BACK-UP | 190                       | 214            | 215              |

**H2O DUAL COIL STANDARD EQUIPMENT**

**Standard Equipment:** Factory installed brass drain and relief valves, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat for field installation and magnesium anode rod(s). Removable thermal well to accept a solar control thermostat or thermistor. Dual coil units equipped with two aquastat wells which control each coil independently and built-in recirculation tapping. Units with Electric Back-Up are provided with 4" x 10" electrical box with pre-wired heating element, thermostat, and hi-limit. All electric back-up units provided with 240 volt AC, 3500 watt element.

**H2O DUAL COIL OPTIONS**

**Options:** (E) Electric Backup models for supplemental heating.

**H2O SERIES**  
STAINLESS STEEL  
STORAGE TANKS



**H2O ST 60 L DK**

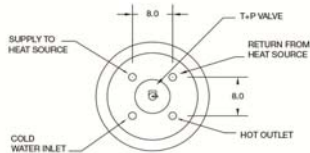
ST=Storage Tank

Capacity:  
30 = 30 Gals.  
40 = 40 Gals.  
60 = 60 Gals.  
80 = 80 Gals.  
115 = 115 Gals.

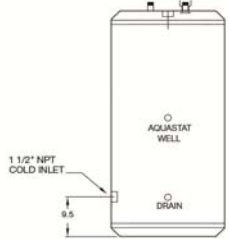
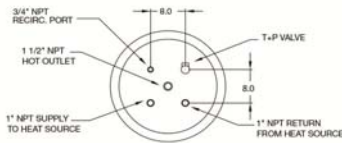
L=Lowboy  
C=Commercial

DK=Dunkirk

Conforms to UL STD 174  
Certified to CAN/CSA STD C22.2 No. 110-94



STANDARD UNITS



COMMERCIAL UNITS



Note: Max. Working pressure 150 psi for all capacities.

**General Information** (See IOM for complete instructions)

| Model       | Piping Connections NPT |                               | Height (Inches) | Dia. (Inches) |
|-------------|------------------------|-------------------------------|-----------------|---------------|
|             | Supply/Return (Inches) | Heat Source Pressure (Inches) |                 |               |
| H2OST30DK   | 1                      | 1                             | 34.0            | 23.5          |
| H2OST40DK   | 1                      | 1                             | 44.0            | 23.5          |
| H2OST60DK   | 1                      | 1                             | 62.0            | 23.5          |
| H2OST60LDK  | 1                      | 1                             | 46.0            | 23.5          |
| H2OST80DK   | 1                      | 1                             | 56.0            | 28.0          |
| H2OST115DK  | 1                      | 1                             | 74.0            | 28.0          |
| H2OST80CDK  | 1-1/2                  | 1                             | 56.0            | 28.0          |
| H2OST115CDK | 1-1/2                  | 1                             | 74.0            | 28.0          |



**H2O STAINLESS STEEL HOT WATER STORAGE TANKS (NO COIL) CONTINUED**

| MODEL  | TRADE PRICE | STOR. CAP.<br>(Gals.) | DESCRIPTION                                      | SHP. WGT. (LBS.) |
|--|-------------|-----------------------|--|------------------|
| H2OST30DK  | \$1,194     | 30                    | H2O HOT WATER STORAGE TANK<br>(NO COIL)          | 75               |
| H2OST40DK  | \$1,233     | 40                    | H2O HOT WATER STORAGE TANK<br>(NO COIL)          | 90               |
| H2OST60DK  | \$1,798     | 60                    | H2O HOT WATER STORAGE TANK<br>(NO COIL)          | 115              |
| H2OST60LDK   | \$1,855     | 60                    | LOW BOY H2O HOT WATER<br>STORAGE TANKS (NO COIL) | 110              |
| H2OST80DK  | \$2,042     | 80                    | H2O HOT WATER STORAGE TANKS<br>(NO COIL)         | 140              |
| H2OST80CDK   | \$2,942     | 80                    | COMM. H2O HOT WATER STORAGE<br>TANK (NO COIL)    | 175              |
| H2OST115DK   | \$2,247     | 115                   | H2O HOT WATER STORAGE TANK<br>(NO COIL)          | 140              |
| H2OST115CDK  | \$3,148     | 115                   | COMM. H2O HOT WATER STORAGE<br>TANK (NO COIL)    | 175              |
| <b>H2O STORAGE TANK STANDARD EQUIPMENT</b>   |             |                       |  |                  |
| <b><u>Standard Equipment:</u></b> Factory installed brass drain and relief valves, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat for field installation. |             |                       |  |                  |
| <b>H2O STORAGE TANK OPTIONS</b>  |             |                       |  |                  |
| <b><u>Options:</u></b> (C) Commercial, (L) Low Profile   |             |                       |  |                  |

**H2O SERIES**  
STAINLESS STEEL  
BUFFER TANKS

**H2O BT 40 114 WC DK**



Conforms to UL STD 174  
Certified to CAN/CSA STD C22.2 No. 110-94

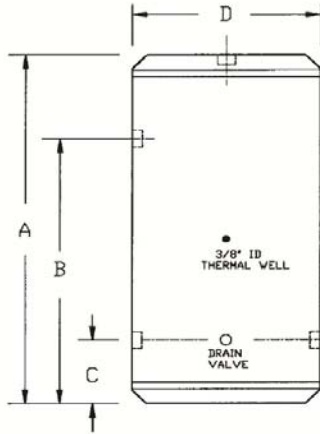
BT=Buffer Tank

Capacity:  
22=22 Gals.  
40=40 Gals.  
60=60 Gals.  
80=80 Gals.

114=1-1/4" NPT  
112=1-1/2" NPT  
2=2" NPT

WC=With Coil

DK=Dunkirk



4 CONNECTIONS  
1 ON RIGHT SIDE  
2 ON LEFT SIDE  
1 ON TOP



Note: Max. Working pressure 150 psi for all capacities.

**General Information** (See IOM for complete instructions)

| Model           | Piping Connections NPT (Inches) | Height (Inches) | B (Inches) | C (Inches) |
|-----------------|---------------------------------|-----------------|------------|------------|
| H2OBT22114DK    | 1-1/4                           | 24.5            | 15         | 8          |
| H2OBT40114DK    | 1-1/4                           | 42.0            | 31.0       | 11.0       |
| H2OBT40112DK    | 1-1/2                           |                 |            |            |
| H2OBT402DK      | 2                               |                 |            |            |
| H2OBT60114DK    | 1-1/4                           | 44.0            | 31.5       | 11.5       |
| H2OBT60112DK    | 1-1/2                           |                 |            |            |
| H2OBT602DK      | 2                               |                 |            |            |
| H2OBT80114DK    | 1-1/4                           | 54.0            | 40.5       | 11.5       |
| H2OBT80112DK    | 1-1/2                           |                 |            |            |
| H2OBT802DK      | 2                               |                 |            |            |
| H2OBT115114DK   | 1-1/4                           | 72.0            | 61.5       | 11.5       |
| H2OBT115112DK   | 1-1/2                           |                 |            |            |
| H2OBT1152DK     | 2                               |                 |            |            |
| H2OBT40114WCDK  | 1-1/4                           | 42.0            | 31.0       | 11.0       |
| H2OBT40112WCDK  | 1-1/2                           |                 |            |            |
| H2OBT402WCDK    | 2                               |                 |            |            |
| H2OBT60114WCDK  | 1-1/4                           | 44.0            | 31.5       | 11.5       |
| H2OBT60112WCDK  | 1-1/2                           |                 |            |            |
| H2OBT602WCDK    | 2                               |                 |            |            |
| H2OBT80114WCDK  | 1-1/4                           | 54.0            | 40.5       | 11.5       |
| H2OBT80112WCDK  | 1-1/2                           |                 |            |            |
| H2OBT802WCDK    | 2                               |                 |            |            |
| H2OBT115114WCDK | 1-1/4                           | 72.0            | 61.5       | 11.5       |
| H2OBT115112WCDK | 1-1/2                           |                 |            |            |
| H2OBT1152WCDK   | 2                               |                 |            |            |

**H2O HYDRONIC STAINLESS STEEL BUFFER TANKS CONTINUED**

| MODEL         | TRADE PRICE | STOR. CAP. (Gals.) | DESCRIPTION          | SHP. WGT. (LBS.) |
|---------------|-------------|--------------------|----------------------|------------------|
| H2OBT22114DK  | \$1,196     | 22                 | HYDRONIC BUFFER TANK | 35               |
| H2OBT40114DK  | \$2,092     | 40                 | HYDRONIC BUFFER TANK | 87               |
| H2OBT40112DK  | \$2,092     |                    |                      |                  |
| H2OBT402DK    | \$2,092     |                    |                      |                  |
| H2OBT60114DK  | \$2,492     | 60                 | HYDRONIC BUFFER TANK | 115              |
| H2OBT60112DK  | \$2,492     |                    |                      |                  |
| H2OBT602DK    | \$2,492     |                    |                      |                  |
| H2OBT80114DK  | \$2,750     | 80                 | HYDRONIC BUFFER TANK | 125              |
| H2OBT80112DK  | \$2,750     |                    |                      |                  |
| H2OBT802DK    | \$2,750     |                    |                      |                  |
| H2OBT115114DK | \$3,424     | 115                | HYDRONIC BUFFER TANK | 160              |
| H2OBT115112DK | \$3,424     |                    |                      |                  |
| H2OBT1152DK   | \$3,424     |                    |                      |                  |

**H2O HYDRONIC BUFFER TANKS (WITH COIL)**

| MODEL           | TRADE PRICE | STOR. CAP. (Gals.) | DESCRIPTION                         | SHP. WGT. (LBS.) |
|-----------------|-------------|--------------------|-------------------------------------|------------------|
| H2OBT40114WCDK  | \$2,682     | 40                 | HYDRONIC BUFFER TANK<br>(WITH COIL) | 97               |
| H2OBT40112WCDK  | \$2,682     |                    |                                     |                  |
| H2OBT402WCDK    | \$2,682     |                    |                                     |                  |
| H2OBT60114WCDK  | \$2,852     | 60                 | HYDRONIC BUFFER TANK<br>(WITH COIL) | 125              |
| H2OBT60112WCDK  | \$2,852     |                    |                                     |                  |
| H2OBT602WCDK    | \$2,852     |                    |                                     |                  |
| H2OBT80114WCDK  | \$3,402     | 80                 | HYDRONIC BUFFER TANK<br>(WITH COIL) | 135              |
| H2OBT80112WCDK  | \$3,402     |                    |                                     |                  |
| H2OBT802WCDK    | \$3,402     |                    |                                     |                  |
| H2OBT115114WCDK | \$4,141     | 115                | HYDRONIC BUFFER TANK<br>(WITH COIL) | 170              |
| H2OBT115112WCDK | \$4,141     |                    |                                     |                  |
| H2OBT1152WCDK   | \$4,141     |                    |                                     |                  |

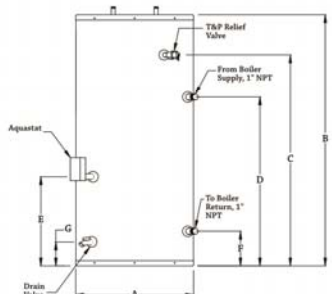
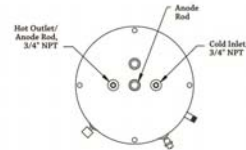
**H2O BUFFER TANK STANDARD EQUIPMENT**

**Standard Equipment:** Factory installed brass drain and relief valves, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat for field installation.

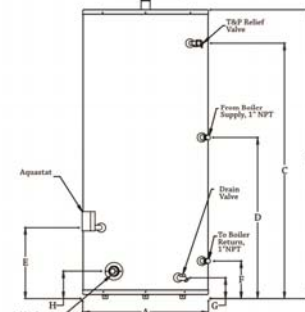
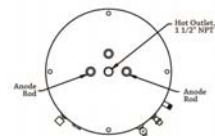
**H2O BUFFER TANK OPTIONS**

**Options:** (WC) With Coil

**HOTLINE SERIES**  
INDIRECT WATER HEATER



Models HL30SK, HL40SK, HL50SK



Models HL80SK, HL119SK

Note: Max. Working pressure 150 psi for all capacities.

**General Information** (See IOM for complete instructions)

| Model     | Piping Connections NPT            |                                 | A<br>Dia.<br>(Inches) | B<br>Height<br>(Inches) |
|-----------|-----------------------------------|---------------------------------|-----------------------|-------------------------|
|           | Domestic Water<br>In/Out (Inches) | Boiler Water<br>In/Out (Inches) |                       |                         |
| *ST00211D | 3/4                               | 1                               | 22.0                  | 35-3/4                  |
| ST00215D  | 3/4                               | 1                               | 22.0                  | 42-3/4                  |
| ST00212D  | 3/4                               | 1                               | 22.0                  | 48-3/4                  |
| ST00213D  | 1                                 | 1                               | 24.0                  | 64-3/4                  |
| ST00214D  | 1                                 | 1                               | 28.0                  | 65-1/4                  |

**HOTLINE INDIRECT WATER HEATERS**

| MODEL     | NAME    | TRADE PRICE | STOR. CAP. (Gals.) | BTU/H MIN. BOILER OUTPUT | MAX 1ST HR FLOW RATINGS GAL./HR. | SHP. WGT. (LBS.) |
|-----------|---------|-------------|--------------------|--------------------------|----------------------------------|------------------|
| *ST00211D | HL30SK  | \$1,193     | 30                 | 74                       | 115                              | 140              |
| ST00215D  | HL40SK  | \$1,314     | 40                 | 74                       | 125                              | 200              |
| ST00212D  | HL50SK  | \$1,447     | 50                 | 74                       | 140                              | 220              |
| ST00213D  | HL80SK  | \$2,064     | 80                 | 150                      | 185                              | 286              |
| ST00214D  | HL119SK | \$2,532     | 119                | 175                      | 250                              | 372              |

\*SURFACE MOUNTED THERMOSTAT.

**HOTLINE OPTIONS/ADDITIONAL EQUIPMENT**

|   | PN      | TRADE |
|---|---------|-------|
| MAGNESIUM ANODE 3/4 X 30; 30-40-50 GAL. | ST00301 | \$64  |
| MAGNESIUM ANODE 3/4 X 36; 80 GAL.       | ST00701 | \$52  |
| MAGNESIUM ANODE 3/4 X 36; 119 GAL.      | ST00901 | \$71  |
| DIP TUBE 3/4 X 3 X 33; 30 GAL.          | ST00401 | \$73  |
| DIP TUBE 3/4 X 3 X 38; 40 GAL.          | ST01301 | \$16  |
| DIP TUBE 3/4 X 3 X 44; 50 GAL.          | ST00801 | \$32  |
| T & P VALVE 3/4, LL100XL; 30-40-50 GAL. | ST00601 | \$38  |
| T & P VALVE 3/4, 140X5; 80-119 GAL.     | ST01001 | \$92  |
| AQUASTAT L4080B1352                     | ST01101 | \$330 |

**HOTLINE INDIRECT WATER HEATER STANDARD EQUIPMENT**

**STANDARD EQUIPMENT:** Factory Assembled Hot Water Tank; Steel Tank with 2" Foam Insulation; Smooth Coil Coated with Porcelain to resist Corrosion and Lime Build-Up; Replaceable Magnesium Anode Rod Aquastat Limit Control; Self Cleaning Drain Valve; Factory Installed T & P Valve.