



US Trade Price Book - 2020

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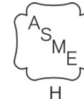
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DCC/DCB Stainless Steel Wall Hung Combi & Heating Boilers

- MBH Input 126-164 (CH) / 153-205 (DHW)
- 95% AFUE
Recognized as ENERGY STAR® Most Efficient 2020
- [AI] Control Technology Recognizes Natural or LP Gas
No field conversion kit required.
- 7:1 Turndown Modulation Ratio in DHW Mode
5.7:1 Turndown Modulation Ratio in CH Mode (DCB-125, DCC-150)
5.5:1 Turndown Modulation Ratio in CH Mode (DCB-165, DCC-205)
- 3.5 gpm DHW (DCC-150), 5 gpm DHW (DCC-205) @ 70°F Rise
- LABOR SAVER™ Primary/Secondary Manifold Included
- Low Water Pressure Switch
- Wall Hung or Floor Stand Kit Available



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|----------------------------------|
| Top | 0" (0 mm) | 8 5/8" (220 mm) |
| Left | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Right | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Front | 0" (0 mm) | 17 3/4" (450 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 9 13/16" (250 mm) ⁽³⁾ |
| Combustion Air/Vent Piping | 0" (0 mm) | 6" (160 mm) |

- (1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.
 (3) Allowance for piping at the bottom of boiler not included.

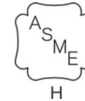
| General Information (See IOM for Complete Instructions) | | | | |
|---|---|----------|----------|---------|
| Model | DCB-125 | DCC-150 | DCB-165 | DCC-205 |
| Water Return/Supply | 3/4" SWT | | 1" SWT | |
| Gas | 3/4" FPT | | 3/4" FPT | |
| Condensate Drain | 13/16" ID Hose | | 3/4" NPT | |
| DHW Outlet (125 Optional) | 1/2" | | 3/4" | |
| DHW (Cold Water) Inlet | 1/2" | | 3/4" | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Water Content (Gallons) | 1 | | 1 1/4 | |
| Dimensions | Height | 30" | | 30" |
| | Width | 17 3/4" | | 17 3/4" |
| | Depth | 13 9/16" | | 21 1/2" |
| Weight | 102 lbs | 103 lbs | 125 lbs | |

DCC/DCB - Stainless Steel Wall Hung Combi & Heating Boilers

| Model | Item Number | Type | Input MBH CH | Input MBH DHW | AHRI Net MBH | Fuel | AFUE % | Pump | Shp. Wgt. lbs | Trade Price |
|--------|-----------------|---------|--------------|---------------|--------------|--------|--------|----------|---------------|-------------|
| DCB125 | DCB112503600103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | LESS | 102 | \$2,897 |
| DCB165 | DCB116503600103 | HEATING | 164 | N/A | 133 | NAT/LP | 95 | LESS | 125 | \$3,401 |
| DCC150 | DCC115003600103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | LESS | 103 | \$3,093 |
| DCC205 | DCC120503600103 | COMBI | 164 | 205 | 133 | NAT/LP | 95 | LESS | 125 | \$3,591 |
| DCB125 | DCB112503640103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | TACO ECM | 102 | \$3,043 |
| DCB165 | DCB116503640103 | HEATING | 164 | N/A | 133 | NAT/LP | 95 | TACO ECM | 125 | \$3,547 |
| DCC150 | DCC115003640103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | TACO ECM | 103 | \$3,240 |
| DCC205 | DCC120503640103 | COMBI | 164 | 205 | 133 | NAT/LP | 95 | TACO ECM | 125 | \$3,736 |
| DCB125 | DCB112503620103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | GRUNDFOS | 102 | \$3,043 |
| DCB165 | DCB116503620103 | HEATING | 164 | N/A | 133 | NAT/LP | 95 | GRUNDFOS | 125 | \$3,547 |
| DCC150 | DCC115003620103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | GRUNDFOS | 103 | \$3,240 |
| DCC205 | DCC120503620103 | COMBI | 164 | 205 | 133 | NAT/LP | 95 | GRUNDFOS | 125 | \$3,736 |

DCC/DCB (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|--------|--------------|-----------------------------|-------------|
| DCC(B) | BD710487302V | OUTSIDE AIR SENSOR | \$36 |
| DCC(B) | 550003189 | DHW SENSOR KIT | \$78 |
| DCC(B) | 240010266 | FLOOR STAND KIT | \$648 |
| DCC(B) | 550003212 | HEAT EXCHANGER CLEANING KIT | \$54 |



DCCF/DCBF Stainless Steel Floor Standing Combi & Heating Boilers

- MBH Input 126 (CH) / 153 (DHW)
- 95% AFUE
Recognized as ENERGY STAR® Most Efficient of 2020
- [AI] Control Technology Recognizes Natural or LP Gas
No field conversion kit required.
- 7:1 Turndown Modulation Ratio in DHW Mode
5.7:1 Turndown Modulation Ratio in CH Mode
- 3.5 gpm DHW (DCCF-150) @ 70°F Rise
- LABOR SAVER™ Primary/Secondary Manifold Built-In
- Low Water Pressure Switch
- Compact, Floor Standing Design



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|----------------------------------|
| Top | 0" (0 mm) | 8 5/8" (220 mm) |
| Left | 1 3/4" (45 mm) | 12" (305 mm) |
| Right | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Front | 0" (0 mm) | 17 3/4" (450 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 9 13/16" (250 mm) ⁽³⁾ |
| Combustion Air/Vent Piping | 0" (0 mm) | 6" (160 mm) |

- (1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.
 (3) Allowance for piping at the bottom of boiler not included.

| General Information (See IOM for Complete Instructions) | | | |
|---|--------|---|------------|
| Model | | DCBF-125 | DCCF-150 |
| Water Return/Supply | | 1 1/4" SWT | 1 1/4" SWT |
| Gas | | 3/4" NPT | 3/4" NPT |
| Condensate Drain | | 3/4" NPT | 3/4" NPT |
| DHW Outlet (125 Optional) | | 3/4" SWT | 1/2" SWT |
| DHW (Cold Water) Inlet | | NA | 1/2" SWT |
| Electrical | | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | |
| Water Content (Gallons) | | 1 | 1 |
| Dimensions | Height | 43.65" | 43.65" |
| | Width | 24.70" | 24.70" |
| | Depth | 17.46" | 17.46" |
| Weight | | 106 lbs | 106 lbs |

DCCF/DCBF - Stainless Steel Floor Standing Combi & Heating Boilers

| Model | Item Number | Type | Input MBH CH | Input MBH DHW | AHRI Net MBH | Fuel | AFUE % | Pump | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|---------|--------------|---------------|--------------|--------|--------|----------|---------------|-------------|
| DCBF125 | DCB112505600103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | LESS | 106 | \$3,230 |
| DCCF150 | DCC115005600103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | LESS | 106 | \$3,449 |
| DCBF125 | DCB112505640103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | TACO ECM | 106 | \$3,380 |
| DCCF150 | DCC115005640103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | TACO ECM | 106 | \$3,514 |
| DCBF125 | DCB112505620103 | HEATING | 126 | N/A | 98 | NAT/LP | 95 | GRUNDFOS | 106 | \$3,380 |
| DCCF150 | DCC115005620103 | COMBI | 126 | 153 | 98 | NAT/LP | 95 | GRUNDFOS | 106 | \$3,599 |

DCCF/DCBF (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|---------|--------------|-----------------------------|-------------|
| DCC(B)F | BD710487302V | OUTSIDE AIR SENSOR | \$36 |
| DCC(B)F | 550003189 | DHW SENSOR KIT | \$78 |
| DCC(B)F | 550003212 | HEAT EXCHANGER CLEANING KIT | \$54 |

Q90-100 Cast-Aluminum Floor Standing Heating Boilers

- MBH Input 50 - 100 (CH)
- 90% AFUE
Natural or LP Gas
- High Efficiency Cast Aluminum Heat Exchanger
- Fuel Smart Hydrostat Control: Temperature Limit
- Low Water Cut Off (LWCO)
- Boiler Reset
- Compact Design, Floor Standing Design
- Stainless Steel Premix Burner
- Sealed Combustion
- Induced Draft Blower with Adjustable Exhaust



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|------------------------|
| Top | 1" (26 mm) | 8" (204 mm) |
| Left | 1" (26 mm) | 0" (0 mm) |
| Right | 11" (280 mm) | 0" (0 mm) |
| Front | 1" (26 mm) | 24" (610 mm) |
| Back | 1" (26 mm) | 0" (0 mm) |
| Bottom | 1" (26 mm) | 0" (0 mm) |
| Combustion Air/Vent Piping | 0" (0 mm) | 0" (0 mm) |

(1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.

| General Information (See IOM for Complete Instructions) | | | |
|---|---|---------|---------|
| Model | Q90-50 | Q90-75 | Q90-100 |
| Water Return/Supply | 1 1/4" NPT | | |
| Gas | 1/2" NPT | | |
| Condensate Drain | 1/2" CPVC Stub | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | |
| Water Content (Gallons) | 2.6 | | |
| Dimensions | Height | 36 1/4" | |
| | Width | 17 3/4" | |
| | Depth | 17 3/8" | |
| Weight | 220 lbs | | |

Q90-100 - Cast-Aluminum Floor Standing Heating Boilers

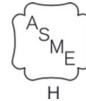
| Model | Item Number | Input MBH | AHRI Net MBH | Fuel | AFUE% | Pump | Flue Dia. | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-----------|--------------|------|-------|----------|-----------|---------------|-------------|
| Q90-50 | Q90205003200403 | 50 | 39 | NAT | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-75 | Q90207503200403 | 75 | 59 | NAT | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-100 | Q90210003200403 | 100 | 78 | NAT | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-50 | Q90205003240403 | 50 | 39 | NAT | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-75 | Q90207503240403 | 75 | 59 | NAT | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-100 | Q90210003240403 | 100 | 78 | NAT | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-50 | Q90205003220403 | 50 | 39 | NAT | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |
| Q90-75 | Q90207503220403 | 75 | 59 | NAT | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |
| Q90-100 | Q90210003220403 | 100 | 78 | NAT | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |

Q90-100 - LP

| | | | | | | | | | |
|---------|-----------------|-----|----|----|----|----------|----------|-----|---------|
| Q90-50 | Q90205013200403 | 50 | 39 | LP | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-75 | Q90207513200403 | 75 | 59 | LP | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-100 | Q90210013200403 | 100 | 78 | LP | 90 | LESS | 2" or 3" | 256 | \$3,342 |
| Q90-50 | Q90205013240403 | 50 | 39 | LP | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-75 | Q90207513240403 | 75 | 59 | LP | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-100 | Q90210013240403 | 100 | 78 | LP | 90 | TACO ECM | 2" or 3" | 256 | \$3,410 |
| Q90-50 | Q90205013220403 | 50 | 39 | LP | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |
| Q90-75 | Q90207513220403 | 75 | 59 | LP | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |
| Q90-100 | Q90210013220403 | 100 | 78 | LP | 90 | GRUNDFOS | 2" or 3" | 256 | \$3,410 |

Q90-100 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|---------|-------------|--|-------------|
| Q90 | 29571 | CONCENTRIC VENT KIT 3" | \$240 |
| Q90 | 29570 | CONCENTRIC VENT KIT 2" | \$240 |
| Q90-50 | 550002631 | CONVERSION KIT NAT. TO LP UB90-50 (Series IV) 0' - 10,000' | \$83 |
| Q90-75 | 550002629 | CONVERSION KIT NAT. TO LP UB90-75 (Series IV) 5,000' - 10,000' | \$83 |
| Q90-75 | 550002630 | CONVERSION KIT NAT. TO LP UB90-75 (Series IV) 0' - 5,000' | \$83 |
| Q90-100 | 550002700 | CONVERSION KIT NAT. TO LP UB90-100 (Series IV) 0' - 10,000' | \$83 |
| Q90-50 | 550002635 | CONVERSION KIT LP TO NAT. UB90-50 (Series IV) 0' - 10,000' | \$83 |
| Q90-75 | 550002634 | CONVERSION KIT LP TO NAT. UB90-75 (Series IV) 0' - 10,000' | \$83 |
| Q90-100 | 550002701 | CONVERSION KIT LP TO NAT. UB90-100 (Series IV) 0' - 10,000' | \$83 |
| Q90 | 14624002 | FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | \$321 |



HELIX VLT Stainless Steel Wall Hung Heating Boilers

- MBH Input 50 - 200 (CH)
- 95% AFUE
Recognized as ENERGY STAR® Most Efficient of 2020
- Patented High-grade 316L/444 Stainless Steel Fin Coil Heat Exchanger
Patent No. 10,012,413
- Argus Vision Control
- Built-In Primary/Secondary Piping
- Built-In Low Water Cut Off
- 5:1 Turn Down Ratio
- Low Maintenance, Self-Cleaning Vertical Heat Exchanger
- Wall mounted, Bracket Included



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|------------------------|
| Top | 0" (0 mm) | 14" (360 mm) |
| Left | 0" (0 mm) | 0" (0 mm) |
| Right | 0" (0 mm) | 0" (0 mm) |
| Front | 0" (0 mm) | 6" (160 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 12" (320 mm) |
| Combustion Air/Vent Piping | 0" (0 mm) | 6" (160 mm) |

(1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.

| General Information (See IOM for Complete Instructions) | | | | | |
|---|---|---------|---------|------------|---------|
| Model | VLT-050 | VLT-075 | VLT-100 | VLT-150 | VLT-200 |
| Water Return/Supply | 1 1/4" NPT | | | 1 1/4" NPT | |
| Gas | 1/2" NPT | | | 3/4" NPT | |
| Condensate Drain | 3/4" NPT | | | 3/4" NPT | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | |
| Water Content (Gallons) | 1.1 | | | 1.8 | |
| Dimensions | Height | 32" | | | 43" |
| | Width | 20" | | | 23" |
| | Depth | 14 3/4" | | | 16" |
| Weight | 91 lbs | | | 157 lbs | |

HELIX VLT - Stainless Steel Wall Hung Heating Boilers

| Model | Item Number | Input MBH | AHRI Net MBH | Fuel | AFUE% | Pump | Flue Dia. | Shp. Wgt. lbs | Trade Price |
|-----------|-----------------|-----------|--------------|------|-------|----------|-----------|---------------|-------------|
| DKVLT-50 | VLT105003500203 | 50 | 40 | NAT | 95 | LESS | 2" | 111 | \$4,059 |
| DKVLT-75 | VLT107503500203 | 75 | 60 | NAT | 95 | LESS | 2" or 3" | 111 | \$4,138 |
| DKVLT-100 | VLT110003500203 | 100 | 79 | NAT | 95 | LESS | 2" or 3" | 111 | \$4,330 |
| DKVLT-150 | VLT115003500203 | 150 | 121 | NAT | 95 | LESS | 3" | 182 | \$5,465 |
| DKVLT-200 | VLT120003500203 | 200 | 161 | NAT | 95 | LESS | 3" | 182 | \$5,836 |
| DKVLT-50 | VLT105003540203 | 50 | 40 | NAT | 95 | TACO ECM | 2" or 3" | 111 | \$4,201 |
| DKVLT-75 | VLT107503540203 | 75 | 60 | NAT | 95 | TACO ECM | 2" or 3" | 111 | \$4,280 |
| DKVLT-100 | VLT110003540203 | 100 | 79 | NAT | 95 | TACO ECM | 2" or 3" | 111 | \$4,471 |
| DKVLT-150 | VLT115003540203 | 150 | 121 | NAT | 95 | TACO ECM | 3" | 182 | \$5,607 |
| DKVLT-200 | VLT120003540203 | 200 | 161 | NAT | 95 | TACO ECM | 3" | 182 | \$5,978 |
| DKVLT-50 | VLT105003520203 | 50 | 40 | NAT | 95 | GRUNDFOS | 2" | 111 | \$4,201 |
| DKVLT-75 | VLT107503520203 | 75 | 60 | NAT | 95 | GRUNDFOS | 2" or 3" | 111 | \$4,280 |
| DKVLT-100 | VLT110003520203 | 100 | 79 | NAT | 95 | GRUNDFOS | 2" or 3" | 111 | \$4,471 |
| DKVLT-150 | VLT115003520203 | 150 | 121 | NAT | 95 | GRUNDFOS | 3" | 182 | \$5,607 |
| DKVLT-200 | VLT120003520203 | 200 | 161 | NAT | 95 | GRUNDFOS | 3" | 182 | \$5,978 |

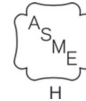
HELIX VLT - High Altitude*

| | | | | | | | | | |
|-----------|-----------------|------|------|-----|----|----------|----------|-----|---------|
| DKVLT-50 | VLT105003502203 | 50* | 40* | NAT | 95 | LESS | 2" or 3" | 111 | \$4,059 |
| DKVLT-75 | VLT107503502203 | 75* | 60* | NAT | 95 | LESS | 2" or 3" | 111 | \$4,138 |
| DKVLT-100 | VLT110003502203 | 100* | 79* | NAT | 95 | LESS | 2" or 3" | 111 | \$4,330 |
| DKVLT-150 | VLT115003502203 | 150* | 121* | NAT | 95 | LESS | 3" | 182 | \$5,465 |
| DKVLT-200 | VLT120003502203 | 200* | 161* | NAT | 95 | LESS | 3" | 182 | \$5,836 |
| DKVLT-50 | VLT105003542203 | 50* | 40* | NAT | 95 | TACO ECM | 2" | 111 | \$4,201 |
| DKVLT-75 | VLT107503542203 | 75* | 60* | NAT | 95 | TACO ECM | 2" or 3" | 111 | \$4,280 |
| DKVLT-100 | VLT110003542203 | 100* | 79* | NAT | 95 | TACO ECM | 2" or 3" | 111 | \$4,471 |
| DKVLT-150 | VLT115003542203 | 150* | 121* | NAT | 95 | TACO ECM | 3" | 182 | \$5,607 |
| DKVLT-200 | VLT120003542203 | 200* | 161* | NAT | 95 | TACO ECM | 3" | 182 | \$5,978 |
| DKVLT-50 | VLT105003522203 | 50* | 40* | NAT | 95 | GRUNDFOS | 2" | 111 | \$4,201 |
| DKVLT-75 | VLT107503522203 | 75* | 60* | NAT | 95 | GRUNDFOS | 2" or 3" | 111 | \$4,280 |
| DKVLT-100 | VLT110003522203 | 100* | 79* | NAT | 95 | GRUNDFOS | 2" or 3" | 111 | \$4,471 |
| DKVLT-150 | VLT115003522203 | 150* | 121* | NAT | 95 | GRUNDFOS | 3" | 182 | \$5,607 |
| DKVLT-200 | VLT120003522203 | 200* | 161* | NAT | 95 | GRUNDFOS | 3" | 182 | \$5,978 |

* High Altitude - Capacity Reduces with Elevation. Refer to IOM for Actual Capacity Ratings.

HELIX VLT (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|------------|-------------|--|-------------|
| DKVLT-50 | 550002303 | 050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT | \$50 |
| DKVLT-75 | 550002304 | 075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT | \$50 |
| DKVLT-100 | 550002305 | 100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT | \$50 |
| DKVLT-150 | 550002306 | 150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT | \$50 |
| DKVLT-200 | 550002307 | 200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT | \$50 |
| VLT SERIES | 29570 | 2" CONCENTRIC VENT KIT | \$240 |
| VLT SERIES | 29571 | 3" CONCENTRIC VENT KIT | \$240 |
| VLT SERIES | 550002186 | MULTIPLE BOILER SENSOR KIT | \$86 |
| VLT SERIES | 240010266 | FLOOR STAND KIT | \$648 |



DMG-240 Stainless Steel Wall Hung Heating Boilers

- MBH Input 241 (CH)
- 95% AFUE
Recognized as ENERGY STAR® Most Efficient of 2020
- LABOR SAVER™ Manifold Included
- 6.7:1 Modulation Turndown Ratio
- Wall Hung or Floor Base Kit Available
- Anti-Wind Function: Control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame Stabilization: Control allows the flame to stabilize before modulating, preventing flame drop outs and recycling
- Optional Plug-and-Play, CSD-1 Kit Available



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|--------------------------------|
| Top | 0" (0 mm) | 11 13/16" (300 mm) |
| Left | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Right | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Front | 1 3/4" (45 mm) | 17 3/4" (450 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 9 7/8" (250 mm) ⁽³⁾ |
| Combustion Air/Vent Piping | 0" (0 mm) | 6" (160 mm) |

- (1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.
 (3) Allowance for piping at the bottom of boiler not included.

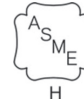
| General Information (See IOM for Complete Instructions) | | |
|---|---|----------|
| Model | DMG-240 | |
| Water Return/Supply | 1" | |
| Gas | 3/4" NPT | |
| Condensate Drain | 3/4" NPT | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | |
| Water Content (Gallons) | .8 | |
| Dimensions | Height | 31 1/16" |
| | Width | 17 3/4" |
| | Depth | 23" |
| Weight | 120 lbs. | |

DMG 240 - Stainless Steel Wall Hung Heating Boilers

| Model | Item Number | Input MBH | AHRI Net MBH | Fuel | AFUE% | Pump | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-----------|--------------|------|-------|------|---------------|-------------|
| DMG-240 | DMG124000600103 | 241 | 216 | NAT | 95 | LESS | 120 | \$6,004 |

DMG 240 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|---------|--------------|---|-------------|
| DMG-240 | 550003322 | MANUAL RESET HIGH LIMIT KIT L4006E1109 | \$254 |
| DMG-240 | 550003323 | MANUAL RESET LWCO KIT | \$244 |
| DMG-240 | 550003332 | CSD-1 KIT (INCLUDES HIGH LIMIT AND MANUAL RESET LWCO) | \$498 |
| DMG-240 | 550003354 | COMMON VENTING CHECK VALVE KIT | \$357 |
| DMG-240 | 550003316 | LP CONVERSION KIT | \$163 |
| DMG-240 | BD710487302V | OUTDOOR AIR SENSOR | \$36 |
| DMG-240 | 550003189 | DHW SENSOR KIT | \$78 |
| DMG-240 | 550003304 | FLOOR BASE KIT | \$503 |



DMG-380 Stainless Steel Floor Standing Heating Boilers

- MBH Input 379
- 95% Thermal Efficiency
- LABOR SAVER™ Manifold Included
- 10.5:1 Modulation Turndown Ratio
- Compact, Floor Standing Design
- Anti-Wind Function: Control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame Stabilization: Control allows the flame to stabilize before modulating, preventing flame drop outs and recycling
- Optional Plug-and-Play, CSD-1 Kit Available



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|----------------------------|--------------------------------------|--------------------------------|
| Top | 0" (0 mm) | 15 3/4" (400 mm) |
| Left | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Right | 1 3/4" (45 mm) | 1 3/4" (45 mm) |
| Front | 1 3/4" (45 mm) | 17 3/4" (450 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 9 7/8" (250 mm) ⁽³⁾ |
| Combustion Air/Vent Piping | 0" (0 mm) | 6" (160 mm) |

- (1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.
 (3) Allowance for piping at the bottom of boiler not included.

| General Information (See IOM for Complete Instructions) | | |
|---|---|---------|
| Model | DMG-380 | |
| Water Return/Supply | 1 1/2" | |
| Gas | 1" NPT | |
| Condensate Drain | 3/4" NPT | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | |
| Water Content (Gallons) | 4.6 | |
| Dimensions | Height | 50" |
| | Width | 23 5/8" |
| | Depth | 25 1/2" |
| Weight | 225 lbs | |

DMG 380 - Stainless Steel Floor Standing Heating Boilers

| Model | Item Number | Input MBH | AHRI Net MBH | Fuel | AFUE% | Pump | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-----------|--------------|------|-------|------|---------------|-------------|
| DMG-380 | DMG138000600103 | 379 | 303 | NAT | 95 | LESS | 225 | \$9,444 |

DMG 380 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|---------|--------------|---|-------------|
| DMG-380 | 550003322 | MANUAL RESET HIGH LIMIT KIT L4006E1109 | \$254 |
| DMG-380 | 550003323 | MANUAL RESET LWCO KIT | \$244 |
| DMG-380 | 550003332 | CSD-1 KIT (INCLUDES HIGH LIMIT AND MANUAL RESET LWCO) | \$498 |
| DMG-380 | 550003354 | COMMON VENTING CHECK VALVE KIT | \$357 |
| DMG-380 | 550003317 | LP CONVERSION KIT | \$163 |
| DMG-380 | BD710487302V | OUTDOOR AIR SENSOR | \$36 |
| DMG-380 | 550003189 | DHW SENSOR KIT | \$78 |



MBC Multiple Boiler Control

- Operation of up to Four Boilers
- LCD Display
- Push Buttons for Navigating Settings
- Warm Weather Shutdown (WWSD)
- Set Back Scheduling
- Boiler Stage Delay
- Boiler Rotation
- Combustion or Alarm Control Relay
- Flow or Combustion Air Proof Delay
- Energy Management System Compatible (0-10 or 2-10 Vdc)
- Sensors Included:
 - (1) Outdoor Sensor
 - (2) Water Temperature Sensors



| Staging Control | | | |
|------------------------|-------------|---|-------------|
| Model | Item Number | Description | Trade Price |
| AMB4B | AMB4BDK | MULTIPLE BOILER CONTROL (MBC) ON/OFF CONTROL: INCLUDES (2) WATER TEMPERATURE SENSOR, (1) OUTDOOR SENSOR | \$1,207 |
| Additional Accessories | | | |
| AMB4B | 240012663 | WATER TEMPERATURE SENSOR | \$95 |
| AMB4B | 240012664 | OUTDOOR SENSOR | \$95 |




















ARGO Wi-Fi Thermostat

- Remote access and monitoring
- Improved serviceability. Having your installer connected provides better service
- Enjoy comfort, energy savings and lower utility bills
- Connect to compatible Dunkirk Boilers for additional benefits and monitoring capabilities
- Connect to multiple smartphones
- Control multiple thermostats from a single smartphone or tablet
- Switch between manual and schedule modes
- Ability to lock thermostat settings
- Display Setting can be set to Fahrenheit (°F) or Celsius (°C)



| Wi-Fi Thermostats | | | |
|-------------------|-------------|-----------------------|-------------|
| Model | Item Number | Description | Trade Price |
| ARGO | 550003641DK | ARGO WI-FI THERMOSTAT | \$322 |







VENTING

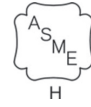
| Coaxial Venting (Use Parts Multiplier for All of the Following) | | | | | | | | | | | |
|---|---------|---------|-------|------|---------|---------|--|---|--------------|--|-------------|
| 125/150 | 165/205 | Q90-100 | VLTVX | 97GB | DMG 240 | DMG 380 | | Image | Item Number | Description | Trade Price |
| X | | | | | | | |  | KUG714059511 | 2"x4" (60/110mm)COAXIAL PIPE 3.28' (1m) L | \$40 |
| X | | | | | | | |  | KUG714059611 | 2"x4" (60/110mm)HORIZONTAL VENT TERM | \$49 |
| X | | | | | | | |  | KUG714059711 | 2"x4" (60/110mm)COAXIAL 90 ELBOWS | \$30 |
| X | | | | | | | |  | KUG714059811 | 2"x4" (60/110mm)COAXIAL 45 ELBOWS | \$30 |
| X | | | | | | | |  | KUG714135812 | 2"x4" (60/110mm)VERTICAL VENT TERM | \$117 |
| | X | | | | X | | |  | KHG714088512 | 3"x5" (80/125mm)COAXIAL PIPE 3.28' (1m) L | \$58 |
| | X | | | | X | | |  | KHG714088712 | 3"x5" (80/125mm)COAXIAL 90 ELBOWS | \$29 |
| | X | | | | X | | |  | KHG714088812 | 3"x5" (80/125mm)COAXIAL 45 ELBOWS | \$31 |
| | X | | | | X | | |  | KHG714088911 | 3"x5" (80/125mm)HORIZONTAL VENT TERM | \$66 |
| | X | | | | X | | |  | KHG714093512 | 3"x5" (80/125mm)VERTICAL VENT TERM | \$91 |
| | | X | X | X | | | |  | 29570 | 2" CONCENTRIC VENT KIT | \$240 |
| | | X | X | X | | | |  | 29571 | 3" CONCENTRIC VENT KIT | \$240 |
| | | | | | | X | |  | KUG714133311 | 4"x6" (110/160mm)HORIZONTAL VENT TERM | \$242 |
| | | | | | | X | |  | KUG714133411 | 4"x6" (110/160mm)VERTICAL VENT TERM | \$307 |
| | | | | | | X | |  | KUG714133511 | 4"x6" (110/160mm)COAXIAL 45 ELBOWS | \$85 |
| | | | | | | X | |  | KUG714133611 | 4"x6" (110/160mm)COAXIAL 90 ELBOWS | \$85 |
| | | | | | | X | |  | KUG714133811 | 4"x6" (110/160mm)COAXIAL PIPE 3.28' (1m) L | \$118 |

VENTING

| Twin Pipe Polypropylene Venting (Use Parts Multiplier for All of the Following) | | | | | | | | | | |
|---|---------|---------|------|------|---------|---------|---|--------------|--|-------------|
| 125/150 | 165/205 | Q90-100 | VLTX | 97GB | DMG 240 | DMG 380 | Image | Item Number | Description | Trade Price |
| X | | | | | | |  | KHG714059113 | 2" (60/100mm)CONCENTRIC TO TWIN PIPE AD. | \$17 |
| X | X | | | | X | |  | 550003416 | 3" (80mm)VENTING CLAMP SINGLE WALL | \$37 |
| X | X | | | | X | |  | 550003452 | 3" (80mm)CLAMSHELL CLAMP (5PK) | \$36 |
| X | X | | | | X | |  | KUG714132010 | 3" (80mm)HORIZONTAL VENT TERM | \$20 |
| X | X | | | | X | |  | KUG714132110 | 3" (80mm)VERTICAL VENT TERM | \$48 |
| X | X | | | | X | |  | 550003734 | 3" (80mm)POLYPROPYLENE 45 ELBOWS W/ CLAMP | \$15 |
| X | X | | | | X | |  | 550003735 | 3" (80mm)POLYPROPYLENE 90 ELBOWS W/ CLAMP | \$15 |
| X | X | | | | X | |  | 550003767 | 3" (80mm)POLYPROPYLENE PIPE 3.28' (1m) L W/ CLAMP | \$22 |
| | X | | | | X | |  | KHG714089010 | 3" (80/125mm)CONCENTRIC TO TWIN PIPE AD. | \$40 |
| | | | | | X | |  | 550003453 | 4" (110mm)CLAMSHELL CLAMP (5PK) | \$48 |
| | | | | | X | |  | BD7106314V | 4" (110/160mm)CONCENTRIC TO TWIN PIPE AD. | \$128 |
| | | | | | X | |  | KUG714132710 | 4" (110mm)HORIZONTAL VENT TERM | \$123 |
| | | | | | X | |  | KUG714132810 | 4" (110mm)VERTICAL VENT TERM | \$112 |
| | | | | | X | |  | 550003731 | 4" (110mm)POLYPROPYLENE 45 ELBOWS W/ CLAMP | \$32 |
| | | | | | X | |  | 550003732 | 4" (110mm)POLYPROPYLENE 90 ELBOWS W/ CLAMP | \$32 |
| | | | | | X | |  | 550003733 | 4" (110mm)POLYPROPYLENE PIPE 3.28' (1m) L W/ CLAMP | \$45 |

VENTING

| Twin Pipe CPVC Venting (Use Parts Multiplier for All of the Following) | | | | | | | | Image | Item Number | Description | Trade Price |
|--|---------|---------|-------|------|---------|---------|---|-----------|-----------------------------------|-------------|-------------|
| 125/150 | 165/205 | Q90-100 | VLTVX | 97GB | DMG 240 | DMG 380 | | | | | |
| X | | | | | | |  | 550003184 | TWIN PIPE ADAPTER 60MM TO CPVC 3" | \$58 | |
| | X | | | | X | |  | 550003403 | TWIN PIPE ADAPTER 80MM TO CPVC 3" | \$108 | |
| | | X | | | | |  | 14631702 | 2" CPVC 45° ELBOW | \$42 | |
| | | X | | | | |  | 240009663 | 2" CPVC 90° ELBOW | \$29 | |
| | | X | | | | |  | 240006819 | 2" CPVC TEE, SCHEDULE 80 | \$40 | |
| | | X | | | | |  | 240006822 | 2" CPVC COUPLING | \$26 | |



DWB Copper Wall Hung Combi & Heating Boilers

- MBH Input 50-150 (CH) / 150 (DHW)
- 85% AFUE
- LABOR SAVER™ Primary/Secondary Manifold Included
- Wall Hung or Floor Base Kit Available
- Chimney or Horizontal Vent
- Advanced Controls - Digital Display with temperature indication, diagnostics and status symbols showing: Heating mode, Burner On and Burner Modulation Level
- Combi Model: Stainless Steel Brazed Plate Heat Exchanger for potable domestic hot water



Shown with optional floor base kit

| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|-----------------------|--------------------------------------|------------------------|
| Top | 16" (410 mm) | 16" (410 mm) |
| Left | 0" (0 mm) | 1" (30 mm) |
| Right | 0" (0 mm) | 1" (30 mm) |
| Front | 0" (0 mm) | 1" (30 mm) |
| Back | 0" (0 mm) | 0" (0 mm) |
| Bottom | 0" (0 mm) | 12" (300 mm) |
| Combustion Air/Piping | 0" (0 mm) | 3/8" (10 mm) |
| Vent Piping | 6" (150 mm) | 6" (150 mm) |

(1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.

| General Information (See IOM for Complete Instructions) | | | | |
|---|---|---------------------------------------|-----------|----------|
| Model | CCB-150 | CHB-150 | CHB-130 | CHB-100 |
| Water Return/Supply | 3/4" | 3/4" | 3/4" | 3/4" |
| Gas | 3/4" NPT | 3/4" NPT | 3/4" NPT | 3/4" NPT |
| Condensate Drain | 3/4" NPT | 3/4" NPT | 3/4" NPT | 3/4" NPT |
| DHW Outlet | 3/4" NPT | Indirect Tank Connection: 3/4" Capped | | |
| DHW Inlet | 3/4" NPT | Indirect Tank Connection: 3/4" Capped | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Water Content (Gallons) | .396 | .396 | .317 | .211 |
| Dimensions | Height | 27 9/16" | 27 9/16" | 27 9/16" |
| | Width | 17 23/32" | 17 23/32" | 15 3/4" |
| | Depth | 13" | 13" | 15 3/4" |
| Weight | 74 lbs | 69 lbs | 65 lbs | 61 lbs |

DWB - Copper Wall Hung Combi or Heating Boilers

| Model | Item Number | Type | Input MBH | AHRI Net MBH | Fuel | AFUE % | Pump | Shp. Wgt. lbs | Chimney Cat. I | Side Wall Cat. III | Shp. Wgt. lbs | Trade Price |
|--------|---------------|---------|-----------|--------------|------|--------|------|---------------|----------------|--------------------|---------------|-------------|
| CCB150 | CCB0150000103 | COMBI | 150 | 110 | NAT | 85 | LESS | 78 | 4" | 3" | 74 | \$2,319 |
| CHB100 | CHB0100000103 | HEATING | 100 | 73 | NAT | 85 | LESS | 65 | 4" | 3" | 61 | \$1,794 |
| CHB130 | CHB0130000103 | HEATING | 130 | 96 | NAT | 85 | LESS | 69 | 4" | 3" | 65 | \$1,990 |
| CHB150 | CHB0150000103 | HEATING | 150 | 110 | NAT | 85 | LESS | 73 | 4" | 3" | 69 | \$2,105 |

DWB (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|------------|-------------|---|-------------|
| CCB/CHB150 | FE3980C150 | NATURAL TO LP CONVERSION KIT (CCB150 & CHB-150) | \$74 |
| CHB100 | FE3980C300 | NATURAL TO LP CONVERSION KIT (CHB100) | \$66 |
| CHB130 | FE3980B950 | NATURAL TO LP CONVERSION KIT (CHB130) | \$68 |
| CUB SERIES | 5612601 | DIRECT VENT KIT | \$156 |
| CUB SERIES | FE013018X0 | OUTSIDE AIR SENSOR | \$33 |
| CUB SERIES | 550002958 | DHW SENSOR KIT | \$60 |
| CUB SERIES | 240010266 | FLOOR STAND KIT | \$648 |
| CHB100/130 | 550003450 | CHB 100/130 FLOOR BASE KIT | \$357 |
| CCB/CHB150 | 550003451 | CCB/CHB 150 FLOOR BASE KIT | \$357 |

XEB II Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers

- MBH Input 42.5-225 (CH)
- Up to 84.4% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Honeywell High Limit/Electronic Ignition Control
 - Recessed under the boiler's protective jacket
 - Digital Temperature display and diagnostics
 - Plug in connection for the inducer fan
 - Plug in connection for the system pump
- Induced Draft Fan



| Clearances | Combustible Materials ⁽¹⁾ |
|----------------------|--------------------------------------|
| Top | 6" (152 mm) |
| Left | 6" (152 mm) |
| Right (Control Side) | 8" (204 mm) |
| Front (Alcove)* | 18" (457 mm) |
| Back | 6" (152 mm) |
| Near Boiler Piping | 1" (24 mm) |
| Flue/Vent Connector | 6" (152 mm) |

PLEASE NOTE: All installations on a combustible floor require a combustible floor base.

(1) Required distances measured from boiler.

* 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.

| General Information (See IOM for Complete Instructions) | | | | | | | |
|---|---|---------|---------|---------|---------|---------|---------|
| Model | XEB-2 | XEB-3 | XEB-4 | XEB-5 | XEB-6 | XEB-7 | |
| Water Return/Supply | 1 1/4" NPT | | | | | | |
| Gas | 1/2" NPT | | | | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | | | |
| Water Content (Gallons) | 1.75 | 3.00 | 4.25 | 5.50 | 6.75 | 8.00 | |
| Dimensions | Height | 29" | 29" | 29" | 29" | 29" | 29" |
| | Width | 11" | 14 1/4" | 17 1/2" | 20 3/4" | 24" | 27 1/4" |
| | Depth | 23 1/4" | 23 1/4" | 23 1/4" | 23 1/4" | 23 1/4" | 23 1/4" |
| Weight | 225 lbs | 265 lbs | 322 lbs | 370 lbs | 431 lbs | 480 lbs | |

XEB II - Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE % | Chimney Cat. I | Side Wall Cat. III | Shp. Wgt. Lbs | Trade Price |
|--------------------|-----------------|------|-----------|---------------|--------------|----------|--------|----------------|--------------------|---------------|-------------|
| XEB-2 | XEB204203100203 | NAT | 42.5 | 36 | 31 | LESS | 84.4 | 4" | 3" | 225 | \$2,314 |
| XEB-3 | XEB307503100203 | NAT | 75 | 63 | 55 | LESS | 83.4 | 4" | 3" | 265 | \$2,619 |
| XEB-4 | XEB411203100203 | NAT | 112.5 | 94 | 82 | LESS | 83 | 4" | 3" | 322 | \$2,894 |
| XEB-5 | XEB515003100203 | NAT | 150 | 125 | 109 | LESS | 82.7 | 4" | 3" | 370 | \$3,252 |
| XEB-6 | XEB618703100203 | NAT | 187.5 | 155 | 135 | LESS | 82.3 | 4" | 4" | 431 | \$3,818 |
| XEB-7 | XEB722503100203 | NAT | 225 | 186 | 162 | LESS | 82 | 4" | 4" | 480 | \$4,198 |
| XEB-2 | XEB204203140203 | NAT | 42.5 | 36 | 31 | TACO ECM | 84.4 | 4" | 3" | 225 | \$2,396 |
| XEB-3 | XEB307503140203 | NAT | 75 | 63 | 55 | TACO ECM | 83.4 | 4" | 3" | 265 | \$2,699 |
| XEB-4 | XEB411203140203 | NAT | 112.5 | 94 | 82 | TACO ECM | 83 | 4" | 3" | 322 | \$2,975 |
| XEB-5 | XEB515003140203 | NAT | 150 | 125 | 109 | TACO ECM | 82.7 | 4" | 3" | 370 | \$3,331 |
| XEB-6 | XEB618703140203 | NAT | 187.5 | 155 | 135 | TACO ECM | 82.3 | 4" | 4" | 431 | \$3,904 |
| XEB-7 | XEB722503140203 | NAT | 225 | 186 | 162 | TACO ECM | 82 | 4" | 4" | 480 | \$4,278 |
| XEB-2 | XEB204203120203 | NAT | 42.5 | 36 | 31 | GRUNDFOS | 84.4 | 4" | 3" | 225 | \$2,396 |
| XEB-3 | XEB307503120203 | NAT | 75 | 63 | 55 | GRUNDFOS | 83.4 | 4" | 3" | 265 | \$2,699 |
| XEB-4 | XEB411203120203 | NAT | 112.5 | 94 | 82 | GRUNDFOS | 83 | 4" | 3" | 322 | \$2,975 |
| XEB-5 | XEB515003120203 | NAT | 150 | 125 | 109 | GRUNDFOS | 82.7 | 4" | 3" | 370 | \$3,331 |
| XEB-6 | XEB618703120203 | NAT | 187.5 | 155 | 135 | GRUNDFOS | 82.3 | 4" | 4" | 431 | \$3,904 |
| XEB-7 | XEB722503120203 | NAT | 225 | 186 | 162 | GRUNDFOS | 82 | 4" | 4" | 480 | \$4,278 |
| XEB-2 | XEB204203130203 | NAT | 42.5 | 36 | 31 | B&G | 84.4 | 4" | 3" | 225 | \$2,396 |
| XEB-3 | XEB307503130203 | NAT | 75 | 63 | 55 | B&G | 83.4 | 4" | 3" | 265 | \$2,699 |
| XEB-4 | XEB411203130203 | NAT | 112.5 | 94 | 82 | B&G | 83 | 4" | 3" | 322 | \$2,975 |
| XEB-5 | XEB515003130203 | NAT | 150 | 125 | 109 | B&G | 82.7 | 4" | 3" | 370 | \$3,331 |
| XEB-6 | XEB618703130203 | NAT | 187.5 | 155 | 135 | B&G | 82.3 | 4" | 4" | 431 | \$3,904 |
| XEB-7 | XEB722503130203 | NAT | 225 | 186 | 162 | B&G | 82 | 4" | 4" | 480 | \$4,278 |
| XEB II - LP | | | | | | | | | | | |
| XEB-2 | XEB204213100203 | LP | 42.5 | 36 | 31 | LESS | 84.4 | 4" | 3" | 225 | \$2,369 |
| XEB-3 | XEB307513100203 | LP | 75 | 63 | 55 | LESS | 83.4 | 4" | 3" | 265 | \$2,675 |
| XEB-4 | XEB411213100203 | LP | 112.5 | 94 | 82 | LESS | 83 | 4" | 3" | 322 | \$2,949 |
| XEB-5 | XEB515013100203 | LP | 150 | 125 | 109 | LESS | 82.7 | 4" | 3" | 370 | \$3,307 |
| XEB-6 | XEB618713100203 | LP | 187.5 | 155 | 135 | LESS | 82.3 | 4" | 4" | 431 | \$3,874 |
| XEB-7 | XEB722513100203 | LP | 225 | 186 | 162 | LESS | 82 | 4" | 4" | 480 | \$4,253 |
| XEB-2 | XEB204213140203 | LP | 42.5 | 36 | 31 | TACO ECM | 84.4 | 4" | 3" | 225 | \$2,450 |
| XEB-3 | XEB307513140203 | LP | 75 | 63 | 55 | TACO ECM | 83.4 | 4" | 3" | 265 | \$2,754 |
| XEB-4 | XEB411213140203 | LP | 112.5 | 94 | 82 | TACO ECM | 83 | 4" | 3" | 322 | \$3,030 |
| XEB-5 | XEB515013140203 | LP | 150 | 125 | 109 | TACO ECM | 82.7 | 4" | 3" | 370 | \$3,387 |
| XEB-6 | XEB618713140203 | LP | 187.5 | 155 | 135 | TACO ECM | 82.3 | 4" | 4" | 431 | \$3,959 |
| XEB-7 | XEB722513140203 | LP | 225 | 186 | 162 | TACO ECM | 82 | 4" | 4" | 480 | \$4,333 |
| XEB-2 | XEB204213120203 | LP | 42.5 | 36 | 31 | GRUNDFOS | 84.4 | 4" | 3" | 225 | \$2,450 |
| XEB-3 | XEB307513120203 | LP | 75 | 63 | 55 | GRUNDFOS | 83.4 | 4" | 3" | 265 | \$2,754 |
| XEB-4 | XEB411213120203 | LP | 112.5 | 94 | 82 | GRUNDFOS | 83 | 4" | 3" | 322 | \$3,030 |
| XEB-5 | XEB515013120203 | LP | 150 | 125 | 109 | GRUNDFOS | 82.7 | 4" | 3" | 370 | \$3,387 |
| XEB-6 | XEB618713120203 | LP | 187.5 | 155 | 135 | GRUNDFOS | 82.3 | 4" | 4" | 431 | \$3,959 |
| XEB-7 | XEB722513120203 | LP | 225 | 186 | 162 | GRUNDFOS | 82 | 4" | 4" | 480 | \$4,333 |

XEB II - Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers (Cont.)

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE % | Chimney Cat. I | Side Wall Cat. III | Shp. Wgt. Lbs | Trade Price |
|-------|-----------------|------|-----------|---------------|--------------|------|--------|----------------|--------------------|---------------|-------------|
| XEB-2 | XEB204213130203 | LP | 42.5 | 36 | 31 | B&G | 84.4 | 4" | 3" | 225 | \$2,450 |
| XEB-3 | XEB307513130203 | LP | 75 | 63 | 55 | B&G | 83.4 | 4" | 3" | 265 | \$2,754 |
| XEB-4 | XEB411213130203 | LP | 112.5 | 94 | 82 | B&G | 83 | 4" | 3" | 322 | \$3,030 |
| XEB-5 | XEB515013130203 | LP | 150 | 125 | 109 | B&G | 82.7 | 4" | 3" | 370 | \$3,387 |
| XEB-6 | XEB618713130203 | LP | 187.5 | 155 | 135 | B&G | 82.3 | 4" | 4" | 431 | \$3,959 |
| XEB-7 | XEB722513130203 | LP | 225 | 186 | 162 | B&G | 82 | 4" | 4" | 480 | \$4,333 |

XEB II - High Altitude*

| | | | | | | | | | | | |
|-------|-----------------|-----|--------|------|------|----------|------|----|----|-----|---------|
| XEB-2 | XEB204203142203 | NAT | 42.5* | 36* | 31* | TACO ECM | 84.4 | 4" | 3" | 225 | \$2,396 |
| XEB-3 | XEB307503142203 | NAT | 75* | 63* | 55* | TACO ECM | 83.4 | 4" | 3" | 265 | \$2,699 |
| XEB-4 | XEB411203142203 | NAT | 112.5* | 94* | 82* | TACO ECM | 83 | 4" | 3" | 322 | \$2,975 |
| XEB-5 | XEB515003142203 | NAT | 150* | 125* | 109* | TACO ECM | 82.7 | 4" | 3" | 370 | \$3,331 |
| XEB-6 | XEB618703142203 | NAT | 187.5* | 155* | 135* | TACO ECM | 82.3 | 4" | 4" | 431 | \$3,904 |
| XEB-7 | XEB722503142203 | NAT | 225* | 186* | 162* | TACO ECM | 82 | 4" | 4" | 480 | \$4,278 |
| XEB-2 | XEB204203122203 | NAT | 42.5* | 36* | 31* | GRUNDFOS | 84.4 | 4" | 3" | 225 | \$2,396 |
| XEB-3 | XEB307503122203 | NAT | 75* | 63* | 55* | GRUNDFOS | 83.4 | 4" | 3" | 265 | \$2,699 |
| XEB-4 | XEB411203122203 | NAT | 112.5* | 94* | 82* | GRUNDFOS | 83 | 4" | 3" | 322 | \$2,975 |
| XEB-5 | XEB515003122203 | NAT | 150* | 125* | 109* | GRUNDFOS | 82.7 | 4" | 3" | 370 | \$3,331 |
| XEB-6 | XEB618703122203 | NAT | 187.5* | 155* | 135* | GRUNDFOS | 82.3 | 4" | 4" | 431 | \$3,904 |
| XEB-7 | XEB722503122203 | NAT | 225* | 186* | 162* | GRUNDFOS | 82 | 4" | 4" | 480 | \$4,278 |

* High Altitude - Capacity Reduces with Elevation. Refer to IOM for Actual Capacity Ratings.

XEB II (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-----------|-------------|--|-------------|
| XEB | 550002722 | NATURAL TO LP CONVERSION KIT (ALL SIZES) | \$91 |
| XEB | 43300660 | LP TO NATURAL CONVERSION KIT (ALL SIZES) | \$100 |
| XEB | 14629014 | 4" THIMBLE (SIMPSON #915295) | \$44 |
| XEB (2-5) | 14629010 | TJERNLUND VH-1-3" SIDE WALL VENT HOOD (XEB-2 TO XEB-5) | \$253 |
| XEB (6-7) | 14629011 | TJERNLUND VH-1-4" SIDE WALL VENT HOOD (XEB-6 & XEB-7) | \$301 |
| XEB (2-5) | 14624002 | FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| XEB (6-7) | 14624003 | FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH | \$445 |

COMBUSTIBLE FLOOR REQUIREMENTS:

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual in the following manner. Boilers cannot be installed on carpeting with or without the base or any combustible flooring.

A) For installations on combustible flooring a special base MUST be used per the manufacturer and NFPA 54 / ANSI Z223.1, 2015 Edition, section 10.3.3.

Equipment must be installed on a fire-resistive slab or 4 inch (1000 mm) minimum cinder block, unsealed and joints matched for air circulation or equivalent 2-hour fire rated assembly, covered with sheet metal 0.0195 (0.50 mm) minimum thickness.

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products continue on the following page.**

DXL Cast-Iron Chimney Vented Boilers

- MBH Input 50-200 (CH)
- Up to 83.5% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Hydrolevel FuelSmart Control
- Digital temperature display and diagnostics
- Plug in connection for the vent damper
- Plug in connection for the system pump
- Control monitors water temperature and delays burner start until residual heat has been transferred to the system for maximum efficiency.



| Clearances | Combustible Materials ⁽¹⁾ |
|----------------------|--------------------------------------|
| Top | 18" (457 mm) |
| Left | 3" (76 mm) |
| Right (Control Side) | 9" (229 mm) |
| Front (Alcove)* | 18" (457 mm) |
| Back | 4" (102 mm) |
| Flue/Vent Connector | 6" (152 mm) |

PLEASE NOTE: All installations on a combustible floor require a combustible floor base.

(1) Required distances measured from boiler.

* 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.

| General Information (See IOM for Complete Instructions) | | | | | | | |
|---|---|---------|---------|---------|---------|---------|---------|
| Model | DXL-50 | DXL-75 | DXL-100 | DXL-125 | DXL-150 | DXL-170 | DXL-200 |
| Water Return/Supply | 1 1/4" NPT | | | | | | |
| Gas | 1/2" NPT | | | | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | | | |
| Water Content (Gallons) | 2.4 | 4.0 | 4.0 | 5.6 | 5.6 | 7.2 | 7.2 |
| Dimensions | Height | 30 3/4" | 30 3/4" | 30 3/4" | 30 3/4" | 30 3/4" | 30 3/4" |
| | Width | 11 1/8" | 15" | 15" | 18 7/8" | 18 7/8" | 22 3/4" |
| | Depth | 27" | 27" | 27" | 27" | 27" | 27" |
| Weight, lbs | 205 | 253 | 253 | 315 | 315 | 377 | 377 |

DXL - Cast-Iron Chimney Vented Boilers

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE% | No. of Brns. | Shp. Wgt. lbs | Trade Price |
|----------|-----------------|------|-----------|---------------|--------------|----------|-------|--------------|---------------|-------------|
| DXL-50 | DXL205003200203 | NAT | 50 | 52 | 37 | LESS | 83.5 | 1 | 205 | \$2,168 |
| DXL-75 | DXL307503200203 | NAT | 75 | 63 | 55 | LESS | 83.1 | 2 | 253 | \$2,434 |
| DXL-100 | DXL310003200203 | NAT | 100 | 83 | 72 | LESS | 83 | 2 | 253 | \$2,547 |
| DXL-125 | DXL412503200203 | NAT | 125 | 104 | 90 | LESS | 82 | 3 | 315 | \$2,768 |
| DXL-150 | DXL415003200203 | NAT | 150 | 124 | 108 | LESS | 83 | 3 | 315 | \$2,881 |
| DXL-170 | DXL517003200203 | NAT | 170 | 139 | 121 | LESS | 82 | 4 | 377 | \$3,397 |
| DXL-200 | DXL520003200203 | NAT | 200 | 165 | 143 | LESS | 82 | 4 | 377 | \$3,604 |
| DXL-50 | DXL205003240203 | NAT | 50 | 52 | 37 | TACO ECM | 83.5 | 1 | 205 | \$2,247 |
| DXL-75 | DXL307503240203 | NAT | 75 | 63 | 55 | TACO ECM | 83.1 | 2 | 253 | \$2,514 |
| DXL-100 | DXL310003240203 | NAT | 100 | 83 | 72 | TACO ECM | 83 | 2 | 253 | \$2,628 |
| DXL-125 | DXL412503240203 | NAT | 125 | 104 | 90 | TACO ECM | 82 | 3 | 315 | \$2,849 |
| DXL-150 | DXL415003240203 | NAT | 150 | 124 | 108 | TACO ECM | 83 | 3 | 315 | \$2,962 |
| DXL-170 | DXL517003240203 | NAT | 170 | 139 | 121 | TACO ECM | 82 | 4 | 377 | \$3,477 |
| DXL-200 | DXL520003240203 | NAT | 200 | 165 | 143 | TACO ECM | 82 | 4 | 377 | \$3,683 |
| DXL-50 | DXL205003220203 | NAT | 50 | 52 | 37 | GRUNDFOS | 83.5 | 1 | 205 | \$2,247 |
| DXL-75 | DXL307503220203 | NAT | 75 | 63 | 55 | GRUNDFOS | 83.1 | 2 | 253 | \$2,514 |
| DXL-100 | DXL310003220203 | NAT | 100 | 83 | 72 | GRUNDFOS | 83 | 2 | 253 | \$2,628 |
| DXL-125 | DXL412503220203 | NAT | 125 | 104 | 90 | GRUNDFOS | 82 | 3 | 315 | \$2,849 |
| DXL-150 | DXL415003220203 | NAT | 150 | 124 | 108 | GRUNDFOS | 83 | 3 | 315 | \$2,962 |
| DXL-170 | DXL517003220203 | NAT | 170 | 139 | 121 | GRUNDFOS | 82 | 4 | 377 | \$3,477 |
| DXL-200 | DXL520003242203 | NAT | 200 | 165 | 143 | GRUNDFOS | 82 | 4 | 377 | \$3,683 |
| DXL-50 | DXL205003230203 | NAT | 50 | 52 | 37 | B&G | 83.5 | 1 | 205 | \$2,247 |
| DXL-75 | DXL307503230203 | NAT | 75 | 63 | 55 | B&G | 83.1 | 2 | 253 | \$2,514 |
| DXL-100 | DXL310003230203 | NAT | 100 | 83 | 72 | B&G | 83 | 2 | 253 | \$2,628 |
| DXL-125 | DXL412503230203 | NAT | 125 | 104 | 90 | B&G | 82 | 3 | 315 | \$2,849 |
| DXL-150 | DXL415003230203 | NAT | 150 | 124 | 108 | B&G | 83 | 3 | 315 | \$2,962 |
| DXL-170 | DXL517003230203 | NAT | 170 | 139 | 121 | B&G | 82 | 4 | 377 | \$3,477 |
| DXL-200 | DXL520003230203 | NAT | 200 | 165 | 143 | B&G | 82 | 4 | 377 | \$3,683 |
| DXL - LP | | | | | | | | | | |
| DXL-50 | DXL205013200203 | LP | 50 | 52 | 37 | LESS | 83.5 | 1 | 205 | \$2,225 |
| DXL-75 | DXL307513200203 | LP | 75 | 63 | 55 | LESS | 83.1 | 2 | 253 | \$2,488 |
| DXL-100 | DXL310013200203 | LP | 100 | 83 | 72 | LESS | 83 | 2 | 253 | \$2,603 |
| DXL-125 | DXL412513200203 | LP | 125 | 104 | 90 | LESS | 82 | 3 | 315 | \$2,823 |
| DXL-150 | DXL415013200203 | LP | 150 | 124 | 108 | LESS | 83 | 3 | 315 | \$2,937 |
| DXL-170 | DXL517013200203 | LP | 170 | 139 | 121 | LESS | 82 | 4 | 377 | \$3,453 |
| DXL-200 | DXL520013200203 | LP | 200 | 165 | 143 | LESS | 82 | 4 | 377 | \$3,659 |
| DXL-50 | DXL205013240203 | LP | 50 | 52 | 37 | TACO ECM | 83.5 | 1 | 205 | \$2,302 |
| DXL-75 | DXL307513240203 | LP | 75 | 63 | 55 | TACO ECM | 83.1 | 2 | 253 | \$2,570 |
| DXL-100 | DXL310013240203 | LP | 100 | 83 | 72 | TACO ECM | 83 | 2 | 253 | \$2,683 |
| DXL-125 | DXL412513240203 | LP | 125 | 104 | 90 | TACO ECM | 82 | 3 | 315 | \$2,904 |
| DXL-150 | DXL415013240203 | LP | 150 | 124 | 108 | TACO ECM | 83 | 3 | 315 | \$3,017 |
| DXL-170 | DXL517013240203 | LP | 170 | 139 | 121 | TACO ECM | 82 | 4 | 377 | \$3,533 |
| DXL-200 | DXL520013240203 | LP | 200 | 165 | 143 | TACO ECM | 82 | 4 | 377 | \$3,739 |

| DXL - Cast-Iron Chimney Vented Boilers | | | | | | | | | | |
|--|-----------------|------|-----------|---------------|--------------|----------|-------|--------------|---------------|-------------|
| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE% | No. of Brns. | Shp. Wgt. lbs | Trade Price |
| DXL-50 | DXL205013220203 | LP | 50 | 52 | 37 | GRUNDFOS | 83.5 | 1 | 205 | \$2,302 |
| DXL-75 | DXL307513220203 | LP | 75 | 63 | 55 | GRUNDFOS | 83.1 | 2 | 253 | \$2,570 |
| DXL-100 | DXL310013220203 | LP | 100 | 83 | 72 | GRUNDFOS | 83 | 2 | 253 | \$2,683 |
| DXL-125 | DXL412513220203 | LP | 125 | 104 | 90 | GRUNDFOS | 82 | 3 | 315 | \$2,904 |
| DXL-150 | DXL415013220203 | LP | 150 | 124 | 108 | GRUNDFOS | 83 | 3 | 315 | \$3,017 |
| DXL-170 | DXL517013220203 | LP | 170 | 139 | 121 | GRUNDFOS | 82 | 4 | 377 | \$3,533 |
| DXL-200 | DXL520013220203 | LP | 200 | 165 | 143 | GRUNDFOS | 82 | 4 | 377 | \$3,739 |
| DXL-50 | DXL205013230203 | LP | 50 | 52 | 37 | B&G | 83.5 | 1 | 205 | \$2,302 |
| DXL-75 | DXL307513230203 | LP | 75 | 63 | 55 | B&G | 83.1 | 2 | 253 | \$2,570 |
| DXL-100 | DXL310013230203 | LP | 100 | 83 | 72 | B&G | 83 | 2 | 253 | \$2,683 |
| DXL-125 | DXL412513230203 | LP | 125 | 104 | 90 | B&G | 82 | 3 | 315 | \$2,904 |
| DXL-150 | DXL415013230203 | LP | 150 | 124 | 108 | B&G | 83 | 3 | 315 | \$3,017 |
| DXL-170 | DXL517013230203 | LP | 170 | 139 | 121 | B&G | 82 | 4 | 377 | \$3,533 |
| DXL-200 | DXL520013230203 | LP | 200 | 165 | 143 | B&G | 82 | 4 | 377 | \$3,739 |
| DXL - High Altitude* | | | | | | | | | | |
| DXL-50 | DXL205003242203 | NAT | 50* | 52* | 37* | TACO ECM | 83.5 | 1 | 205 | \$2,247 |
| DXL-75 | DXL307503242203 | NAT | 75* | 63* | 55* | TACO ECM | 83.1 | 2 | 253 | \$2,514 |
| DXL-100 | DXL310003242203 | NAT | 100* | 83* | 72* | TACO ECM | 83 | 2 | 253 | \$2,628 |
| DXL-125 | DXL412503242203 | NAT | 125* | 104* | 90* | TACO ECM | 82 | 3 | 315 | \$2,849 |
| DXL-150 | DXL415003242203 | NAT | 150* | 124* | 108* | TACO ECM | 83 | 3 | 315 | \$2,962 |
| DXL-170 | DXL517003242203 | NAT | 170* | 139* | 121* | TACO ECM | 82 | 4 | 377 | \$3,477 |
| DXL-200 | DXL520003242203 | NAT | 200* | 165* | 143 | TACO ECM | 82 | 4 | 377 | \$3,683 |
| DXL-50 | DXL205003222203 | NAT | 50* | 52* | 37* | GRUNDFOS | 83.5 | 1 | 205 | \$2,247 |
| DXL-75 | DXL307503222203 | NAT | 75* | 63* | 55* | GRUNDFOS | 83.1 | 2 | 253 | \$2,514 |
| DXL-100 | DXL310003222203 | NAT | 100* | 83* | 72* | GRUNDFOS | 83 | 2 | 253 | \$2,628 |
| DXL-125 | DXL412503222203 | NAT | 125* | 104* | 90* | GRUNDFOS | 82 | 3 | 315 | \$2,849 |
| DXL-150 | DXL415003222203 | NAT | 150* | 124* | 108* | GRUNDFOS | 83 | 3 | 315 | \$2,962 |
| DXL-170 | DXL517003222203 | NAT | 170* | 139* | 121* | GRUNDFOS | 82 | 4 | 377 | \$3,477 |
| DXL-200 | DXL520003222203 | NAT | 200* | 165* | 143* | GRUNDFOS | 82 | 4 | 377 | \$3,683 |

* High Altitude - Capacity Reduces with Elevation. Refer to IOM for Actual Capacity Ratings.

| DXL (Use Parts Multiplier for All of the Following) | | | |
|---|-------------|--|-------------|
| Model | Item Number | Description | Trade Price |
| DXL | 550002663 | CONVERSION KIT NAT. TO LP 50,100,150,200 | \$91 |
| DXL-75 | 550002664 | CONVERSION KIT NAT. TO LP 75 | \$91 |
| DXL | 550002665 | CONVERSION KIT NAT. TO LP 125,170 | \$91 |
| DXL-50 | 5611902 | CONVERSION KIT LP TO NAT. DXL-50 | \$110 |
| DXL-75 | 5611903 | CONVERSION KIT LP TO NAT. DXL-75 | \$113 |
| DXL-100 | 5611904 | CONVERSION KIT LP TO NAT. DXL-100 | \$113 |
| DXL-125 | 5611905 | CONVERSION KIT LP TO NAT. DXL-125 | \$116 |
| DXL-150 | 5611906 | CONVERSION KIT LP TO NAT. DXL-150 | \$116 |

DXL (Use Parts Multiplier for All of the Following) Cont.

| Model | Item Number | Description | Trade Price |
|--------------|--------------------|---|--------------------|
| DXL-170 | 5611905 | CONVERSION KIT LP TO NAT. DXL-170 | \$116 |
| DXL-200 | 5611908 | CONVERSION KIT LP TO NAT. DXL-200 | \$118 |
| DXL | 14624002 | FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| DXL | 14624003 | FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH | \$445 |
| DXL-50 | 325-2-8.01 | COMBUSTIBLE FLOOR PLATE DXL-50 ** (1) | \$235 |
| -75,100 | 325-2-8.02 | COMBUSTIBLE FLOOR PLATE DXL-75,100 ** (1) | \$246 |
| -125,150 | 325-2-8.03 | COMBUSTIBLE FLOOR PLATE DXL-125,150 ** (1) | \$269 |
| -170,200 | 325-2-8.04 | COMBUSTIBLE FLOOR PLATE DXL-170,200 ** (1) | \$269 |

****COMBUSTIBLE FLOOR REQUIREMENTS:**

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual. Boilers cannot be installed on carpeting with or without the base or any combustible flooring.

(1) For installations on combustible flooring a special base part number 325-2-8.01 (1, 2, 3, 4) **MUST** be used and available through the distributor.

For questions on boiler placement or combustible floor requirements please call 1-800-253-7900.

WPSB Cast-Iron Integral Draft Diverter Boilers

- MBH Input 75-299 (CH)
- Up to 84.1% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Hydrolevel FuelSmart Control
- Digital temperature display and diagnostics
- Plug in connection for the vent damper
- Plug in connection for the system pump
- Low Water Cut Off (LWCO)
- Control monitors water temperature and delays burner start until residual heat has been transferred to the system for maximum efficiency



| Clearances | Combustible Materials ⁽¹⁾ |
|----------------------|--------------------------------------|
| Top | 6" (152 mm) |
| Left | 6" (152 mm) |
| Right (Control Side) | 7" (178 mm) |
| Front (Alcove)* | 18" (457 mm) |
| Back | 6" (152 mm) |
| Flue/Vent Connector | 6" (152 mm) |
| Near Boiler Piping | 2" (51 mm) |

PLEASE NOTE: All installations on a combustible floor require a combustible floor base.

(1) Required distances measured from boiler.

* 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.

| General Information (See IOM for Complete Instructions) | | | | | | | |
|---|---|---------|---------|---------|---------|---------|---------|
| Model | WPSB-3 | WPSB-4 | WPSB-5 | WPSB-6 | WPSB-7 | WPSB-8 | WPSB-9 |
| Water Return/Supply | 1 1/4" NPT | | | | | | |
| Gas | 1/2" NPT | | | | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | | | |
| Water Content (Gallons) | 6.3 | 8.1 | 9.9 | 11.7 | 13.5 | 15.3 | 17.2 |
| Dimensions | Height | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" |
| | Width | 11 1/4" | 14 1/2" | 17 3/4" | 21" | 24 1/4" | 27 1/2" |
| | Depth | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" |
| Weight | 315 lbs | 377 lbs | 453 lbs | 534 lbs | 601 lbs | 665 lbs | 750 lbs |

WPSB - Cast-Iron Integral Draft Diverter Boilers

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE % | Flue Dia. | Shp. Wgt. lbs | Trade Price |
|------------------|-----------------|------|-----------|---------------|--------------|----------|--------|-----------|---------------|-------------|
| WPSB-3D | WPS307503200203 | NAT | 75 | 63 | 55 | LESS | 84 | 5" | 315 | \$2,627 |
| WPSB-4D | WPS411203200203 | NAT | 112.5 | 94 | 82 | LESS | 84 | 6" | 377 | \$2,914 |
| WPSB-5D | WPS515003200203 | NAT | 150 | 126 | 110 | LESS | 84.1 | 6" | 453 | \$3,216 |
| WPSB-6D | WPS618703200203 | NAT | 187.5 | 157 | 137 | LESS | 84.1 | 7" | 534 | \$3,609 |
| WPSB-7D | WPS722503200203 | NAT | 225 | 188 | 163 | LESS | 84 | 7" | 601 | \$3,949 |
| WPSB-8D | WPS826203200203 | NAT | 262.5 | 220 | 191 | LESS | 83.9 | 7" | 665 | \$4,257 |
| WPSB-9D | WPS929903200203 | NAT | 299 | 251 | 218 | LESS | 83.7 | 7" | 750 | \$4,919 |
| WPSB-3D | WPS307503240203 | NAT | 75 | 63 | 55 | TACO ECM | 84 | 5" | 315 | \$2,707 |
| WPSB-4D | WPS411203240203 | NAT | 112.5 | 94 | 82 | TACO ECM | 84 | 6" | 377 | \$2,994 |
| WPSB-5D | WPS515003240203 | NAT | 150 | 126 | 110 | TACO ECM | 84.1 | 6" | 453 | \$3,295 |
| WPSB-6D | WPS618703240203 | NAT | 187.5 | 157 | 137 | TACO ECM | 84.1 | 7" | 534 | \$3,689 |
| WPSB-7D | WPS722503240203 | NAT | 225 | 188 | 163 | TACO ECM | 84 | 7" | 601 | \$4,029 |
| WPSB-8D | WPS826203240203 | NAT | 262.5 | 220 | 191 | TACO ECM | 83.9 | 7" | 665 | \$4,337 |
| WPSB-9D | WPS929903240203 | NAT | 299 | 251 | 218 | TACO ECM | 83.7 | 7" | 750 | \$5,000 |
| WPSB-3D | WPS307503220203 | NAT | 75 | 63 | 55 | GRUNDFOS | 84 | 5" | 315 | \$2,707 |
| WPSB-4D | WPS411203220203 | NAT | 112.5 | 94 | 82 | GRUNDFOS | 84 | 6" | 377 | \$2,994 |
| WPSB-5D | WPS515003220203 | NAT | 150 | 126 | 110 | GRUNDFOS | 84.1 | 6" | 453 | \$3,295 |
| WPSB-6D | WPS618703220203 | NAT | 187.5 | 157 | 137 | GRUNDFOS | 84.1 | 7" | 534 | \$3,689 |
| WPSB-7D | WPS722503220203 | NAT | 225 | 188 | 163 | GRUNDFOS | 84 | 7" | 601 | \$4,029 |
| WPSB-8D | WPS826203220203 | NAT | 262.5 | 220 | 191 | GRUNDFOS | 83.9 | 7" | 665 | \$4,337 |
| WPSB-9D | WPS929903220203 | NAT | 299 | 251 | 218 | GRUNDFOS | 83.7 | 7" | 750 | \$5,000 |
| WPSB-3D | WPS307503230203 | NAT | 75 | 63 | 55 | B&G | 84 | 5" | 315 | \$2,707 |
| WPSB-4D | WPS411203230203 | NAT | 112.5 | 94 | 82 | B&G | 84 | 6" | 377 | \$2,994 |
| WPSB-5D | WPS515003230203 | NAT | 150 | 126 | 110 | B&G | 84.1 | 6" | 453 | \$3,295 |
| WPSB-6D | WPS618703230203 | NAT | 187.5 | 157 | 137 | B&G | 84.1 | 7" | 534 | \$3,689 |
| WPSB-7D | WPS722503230203 | NAT | 225 | 188 | 163 | B&G | 84 | 7" | 601 | \$4,029 |
| WPSB-8D | WPS826203230203 | NAT | 262.5 | 220 | 191 | B&G | 83.9 | 7" | 665 | \$4,337 |
| WPSB-9D | WPS929903230203 | NAT | 299 | 251 | 218 | B&G | 83.7 | 7" | 750 | \$5,000 |
| WPSB - LP | | | | | | | | | | |
| WPSB-3DP | WPS307513200203 | LP | 70 | 59 | 51 | LESS | 84 | 5" | 315 | \$2,682 |
| WPSB-4DP | WPS411213200203 | LP | 105 | 88 | 77 | LESS | 84 | 6" | 377 | \$2,969 |
| WPSB-5DP | WPS515013200203 | LP | 140 | 118 | 103 | LESS | 84.1 | 6" | 453 | \$3,270 |
| WPSB-6DP | WPS618713200203 | LP | 175 | 147 | 128 | LESS | 84.1 | 7" | 534 | \$3,665 |
| WPSB-7DP | WPS722513200203 | LP | 210 | 176 | 153 | LESS | 84 | 7" | 601 | \$4,004 |
| WPSB-8DP | WPS826213200203 | LP | 245 | 206 | 179 | LESS | 83.9 | 7" | 665 | \$4,313 |
| WPSB-9DP | WPS929913200203 | LP | 280 | 235 | 204 | LESS | 83.7 | 7" | 750 | \$4,975 |
| WPSB-3DP | WPS307513240203 | LP | 70 | 59 | 51 | TACO ECM | 84 | 5" | 315 | \$2,761 |
| WPSB-4DP | WPS411213240203 | LP | 105 | 88 | 77 | TACO ECM | 84 | 6" | 377 | \$3,049 |
| WPSB-5DP | WPS515013240203 | LP | 140 | 118 | 103 | TACO ECM | 84.1 | 6" | 453 | \$3,351 |
| WPSB-6DP | WPS618713240203 | LP | 175 | 147 | 128 | TACO ECM | 84.1 | 7" | 534 | \$3,745 |
| WPSB-7DP | WPS722513240203 | LP | 210 | 176 | 153 | TACO ECM | 84 | 7" | 601 | \$4,085 |
| WPSB-8DP | WPS826213240203 | LP | 245 | 206 | 179 | TACO ECM | 83.9 | 7" | 665 | \$4,392 |
| WPSB-9DP | WPS929913240203 | LP | 280 | 235 | 204 | TACO ECM | 83.7 | 7" | 750 | \$5,055 |
| WPSB-3DP | WPS307513220203 | LP | 70 | 59 | 51 | GRUNDFOS | 84 | 5" | 315 | \$2,761 |
| WPSB-4DP | WPS411213220203 | LP | 105 | 88 | 77 | GRUNDFOS | 84 | 6" | 377 | \$3,049 |
| WPSB-5DP | WPS515013220203 | LP | 140 | 118 | 103 | GRUNDFOS | 84.1 | 6" | 453 | \$3,351 |
| WPSB-6DP | WPS618713220203 | LP | 175 | 147 | 128 | GRUNDFOS | 84.1 | 7" | 534 | \$3,745 |

WPSB - Cast-Iron Integral Draft Diverter Boilers (Cont.)

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Pump | AFUE % | Flue Dia. | Shp. Wgt. lbs | Trade Price |
|----------|-----------------|------|-----------|---------------|--------------|----------|--------|-----------|---------------|-------------|
| WPSB-7DP | WPS722513220203 | LP | 210 | 176 | 153 | GRUNDFOS | 84 | 7" | 601 | \$4,085 |
| WPSB-8DP | WPS826213220203 | LP | 245 | 206 | 179 | GRUNDFOS | 83.9 | 7" | 665 | \$4,392 |
| WPSB-9DP | WPS929913220203 | LP | 280 | 235 | 204 | GRUNDFOS | 83.7 | 7" | 750 | \$5,055 |
| WPSB-3DP | WPS307513230203 | LP | 70 | 59 | 51 | B&G | 84 | 5" | 315 | \$2,761 |
| WPSB-4DP | WPS411213230203 | LP | 105 | 88 | 77 | B&G | 84 | 6" | 377 | \$3,049 |
| WPSB-5DP | WPS515013230203 | LP | 140 | 118 | 103 | B&G | 84.1 | 6" | 453 | \$3,351 |
| WPSB-6DP | WPS618713230203 | LP | 175 | 147 | 128 | B&G | 84.1 | 7" | 534 | \$3,745 |
| WPSB-7DP | WPS722513230203 | LP | 210 | 176 | 153 | B&G | 84 | 7" | 601 | \$4,085 |
| WPSB-8DP | WPS826213230203 | LP | 245 | 206 | 179 | B&G | 83.9 | 7" | 665 | \$4,392 |
| WPSB-9DP | WPS929913230203 | LP | 280 | 235 | 204 | B&G | 83.7 | 7" | 750 | \$5,055 |

WPSB - High Altitude*

| | | | | | | | | | | |
|---------|-----------------|-----|--------|------|------|----------|------|----|-----|---------|
| WPSB-3D | WPS307503242203 | NAT | 75* | 63* | 55* | TACO ECM | 84 | 5" | 315 | \$2,707 |
| WPSB-4D | WPS411203242203 | NAT | 112.5* | 94* | 82* | TACO ECM | 84 | 6" | 377 | \$2,994 |
| WPSB-5D | WPS515003242203 | NAT | 150* | 126* | 110* | TACO ECM | 84.1 | 6" | 453 | \$3,295 |
| WPSB-6D | WPS618703242203 | NAT | 187.5* | 157* | 137* | TACO ECM | 84.1 | 7" | 534 | \$3,689 |
| WPSB-7D | WPS722503242203 | NAT | 225* | 188* | 163* | TACO ECM | 84 | 7" | 601 | \$4,029 |
| WPSB-8D | WPS826203242203 | NAT | 262.5* | 220* | 191* | TACO ECM | 83.9 | 7" | 665 | \$4,337 |
| WPSB-9D | WPS929903242203 | NAT | 299* | 251* | 218* | TACO ECM | 83.7 | 7" | 750 | \$5,000 |

* High Altitude - Capacity Reduces with Elevation. Refer to IOM for Actual Capacity Ratings.

WPSB (Use Parts Multiplier for All of the Following) Cont.

| Model | Item Number | Description | Trade Price |
|---------|-------------|--|-------------|
| WPSB-3D | 43300723 | 3 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| WPSB-4D | 43300724 | 4 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| WPSB-5D | 43300725 | 5 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| WPSB-6D | 43300726 | 6 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| WPSB-7D | 43300727 | 7 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| WPSB-8D | 43300728 | 8 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| WPSB-9D | 43300729 | 9 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| WPSB-4D | 43300632 | 4 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| WPSB-5D | 43300633 | 5 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$205 |
| WPSB-6D | 43300634 | 6 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$200 |
| WPSB-7D | 43300635 | 7 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| WPSB-8D | 43300636 | 8 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| WPSB-9D | 43300637 | 9 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| WPSB | 14624002 | FILL-TROL FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| WPSB | 14624003 | FILL-TROL FOR WATER BOILERS OVER 150 MBH | \$445 |

COMBUSTIBLE FLOOR REQUIREMENTS:

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual in the following manner. Boilers cannot be installed on carpeting with or without the base or any combustible flooring.

A) For installations on combustible flooring a special base MUST be used per the manufacturer and NFPA 54 / ANSI Z223.1, 2015 Edition, section 10.3.3.

Equipment must be installed on a fire-resistive slab or 4 inch (1000 mm) minimum cinder block, unsealed and joints matched for air circulation or equivalent 2-hour fire rated assembly, covered with sheet metal 0.0195 (0.50 mm) minimum thickness.

For questions on boiler placement or combustible floor requirements please call 1-800-253-7900.

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products continue on the following page.**

PSB Cast-Iron Steam Boilers

- MBH Input 75-299 (CH)
- Up to 82.7% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- LWCO (Probe Type) Includes Pressure High Limit Control, Pressure Gauge, Gauge Glass
- Low profile compact design makes it ideal for low clearance installations
- Easy piping features with 2" single and dual piping riser options (depending on boiler size), simplifying replacement piping
- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Vent Damper
- Stainless Steel burner



| Clearances | Combustible Materials ⁽¹⁾ |
|----------------------|--------------------------------------|
| Top | 6" (152 mm) |
| Left | 6" (152 mm) |
| Right (Control Side) | 7" (178 mm) |
| Front (Alcove)* | 18" (457 mm) |
| Back | 6" (152 mm) |
| Flue/Vent Connector | 6" (152 mm) |

PLEASE NOTE: All installations on a combustible floor require a combustible floor base.

(1) Required distances measured from boiler.

* 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.

| General Information (See IOM for Complete Instructions) | | | | | | | |
|---|---|---------|---------|----------|---------|---------|---------|
| Model | PSB-3D | PSB-4D | PSB-5D | PSB-6D | PSB-7D | PSB-8D | PSB-9D |
| Water Return/Supply | 2 1/2" NPT | | | | | | |
| Gas | 1/2" NPT | | | 3/4" NPT | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | | | |
| Water Content (Gallons) | 2.6 | 3.8 | 5 | 6.2 | 7.4 | 8.6 | 9.5 |
| Dimensions | Height | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" | 36 3/8" |
| | Width | 11 1/4" | 14 1/2" | 17 3/4" | 21" | 24 1/4" | 27 1/2" |
| | Depth | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" |
| Weight | 297 lbs | 368 lbs | 440 lbs | 512 lbs | 584 lbs | 659 lbs | 736 lbs |

PSB - Cast-Iron Steam Boilers

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | AHRI Net SQ. FT. Steam | AFUE% | Shp. Wgt. lbs | Trade Price |
|--------|-------------|------|-----------|---------------|--------------|------------------------|-------|---------------|-------------|
| PSB-3D | 353001000 | NAT | 75 | 62 | 47 | 195 | 82.7 | 297 | \$3,005 |
| PSB-4D | 354001000 | NAT | 112 | 91 | 68 | 283 | 82 | 368 | \$3,282 |
| PSB-5D | 355001000 | NAT | 150 | 122 | 92 | 383 | 82 | 440 | \$3,699 |
| PSB-6D | 356001000 | NAT | 187 | 153 | 115 | 479 | 82 | 512 | \$4,213 |
| PSB-7D | 357001000 | NAT | 225 | 183 | 137 | 570 | 82 | 584 | \$4,645 |
| PSB-8D | 358001000 | NAT | 262 | 214 | 161 | 670 | 82 | 659 | \$5,137 |
| PSB-9D | 359001000 | NAT | 299 | 245 | 184 | 766 | 82 | 736 | \$5,411 |

PSB - LP

| | | | | | | | | | |
|--------|-----------|----|-----|-----|-----|-----|------|-----|---------|
| PSB-3D | 353004000 | LP | 70 | 58 | 44 | 183 | 82.7 | 297 | \$3,060 |
| PSB-4D | 354004000 | LP | 105 | 85 | 64 | 266 | 80.4 | 368 | \$3,336 |
| PSB-5D | 355004000 | LP | 140 | 114 | 86 | 258 | 80.6 | 440 | \$3,753 |
| PSB-6D | 356004000 | LP | 175 | 143 | 107 | 445 | 80.9 | 512 | \$4,268 |
| PSB-7D | 357004000 | LP | 210 | 171 | 128 | 533 | 81.1 | 584 | \$4,701 |
| PSB-8D | 358004000 | LP | 245 | 200 | 150 | 625 | 81.3 | 659 | \$5,194 |
| PSB-9D | 359004000 | LP | 280 | 229 | 172 | 716 | 81.5 | 736 | \$5,466 |

PSB (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|--------|-------------|---|-------------|
| PSB-3D | 43300723 | 3 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| PSB-4D | 43300724 | 4 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| PSB-5D | 43300725 | 5 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| PSB-6D | 43300726 | 6 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| PSB-7D | 43300727 | 7 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| PSB-8D | 43300728 | 8 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| PSB-9D | 43300729 | 9 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| PSB-4D | 43300632 | 4 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| PSB-5D | 43300633 | 5 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$205 |
| PSB-6D | 43300634 | 6 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$200 |
| PSB-7D | 43300635 | 7 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| PSB-8D | 43300636 | 8 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| PSB-9D | 43300637 | 9 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| PSB | 1630001 | MCDONNELL & MILLER WF-2U-24 ELECTRONIC WATER FEEDER | \$512 |

COMBUSTIBLE FLOOR REQUIREMENTS:

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual in the following manner. Boilers cannot be installed on carpeting with or without the base or any combustible flooring.

A) For installations on combustible flooring a special base MUST be used per the manufacturer and NFPA 54 / ANSI Z223.1, 2015 Edition, section 10.3.3.

Equipment must be installed on a fire-resistive slab or 4 inch (1000 mm) minimum cinder block, unsealed and joints matched for air circulation or equivalent 2-hour fire rated assembly, covered with sheet metal 0.0195 (0.50 mm) minimum thickness.

For questions on boiler placement or combustible floor requirements please call 1-800-253-7900.

D249 Cast-Iron Commercial Steam Boilers

D249 Boiler Bases are pre-assembled at the factory with burner manifold, burner orifices, gas valves and electronic ignition installed; ready for field installation of the pre-tested sections and appropriate packages.

Electronic Ignition Base Standard Equipment:

- Base
- Fire Door
- Burner Orifice
- Manifold
- Main and Pilot Burner
- Electronic Pilot Gas Valve
- Intermittent Pilot Module
- Complete Jacket Assembly

Steam Trim Package:

- Low Water Cut-Off
- Glass Gauge Set
- Safety Valve
- Steam Gauge
- Pressure Limit
- Drain Valve



Plug 'N Play Harness and Junction Box

Individual base and junction box controls are designed for easy installation. The entire boiler links together in a snap with a color-coded factory supplied wiring harness

CSD-1 Options

Available with a CSD-1 option to comply with CSD-1 standards where required by building code. The CSD-1 option provides the increased number of controls and safety devices required to meet CSD-1 standards.

| For Installation on Non-Combustible Floors Only, Minimum Clearances to Combustible Construction | | |
|---|---------------------------|---------------------|
| | Inputs of 400 MBH or Less | Inputs Over 400 MBH |
| Top | 52" | 52" |
| Left | 18" | 24" |
| Right (Control Side) | 18" | 24" |
| Front | 18" | 18" |
| Back | 18" | 24" |
| Flue Collector | 6" | 6" |

Greater clearances (24") for access should supersede fire protection clearances.

| General Information (See IOM for Complete Instructions) | | | |
|---|--|---------|------|
| | Right & Left End Tappings | Opening | Size |
| | Return/Supply | A | 4" |
| | Primary LWCO & Guage Glass Set | B | 1/2" |
| | Drain, Left End | C | 3/4" |
| | Drain, Right End | C | 3/4" |
| | Plugged | D | 1/2" |
| | Accessories | E | 1" |
| | Safety Valve | F* | 1" |
| | Plugged or Electronic (Probe Type) LWCO | G | 3/4" |
| | *If using opening F for other than Safety Valve or Safety Relief Valve, or Safety/Relief valve is larger than 1", Install Safety/Relief Valve in Header Piping as near boiler as possible. | | |

D249 - Cast-Iron Commercial Steam Boiler

| Model | Item Number | Type* | Input MBH | Output MBH | Net AHRI Ratings | | | Therm. Eff. | No. of Sect. | Shp. Wgt. lbs | Trade Price |
|-----------|-----------------|--------|-----------|------------|------------------|---------------|-----------------|-------------|--------------|---------------|-------------|
| | | | | | Steam PPF | Steam SQ. FT. | Steam BTU (MBH) | | | | |
| D249-300 | CBA030003101103 | STD. | 300 | 233 | 1.33 | 729 | 175 | 77 | 4 | 1000 | \$8,857 |
| D249-400 | CBA040003101103 | STD. | 400 | 310 | 1.33 | 971 | 233 | 77 | 5 | 1200 | \$9,966 |
| D249-500 | CBA050003101103 | STD. | 500 | 388 | 1.33 | 1213 | 291 | 77 | 6 | 1400 | \$11,078 |
| D249-600 | CBA060003101103 | STD. | 600 | 465 | 1.33 | 1454 | 349 | 77 | 7 | 1600 | \$14,404 |
| D249-700 | CBA070003101103 | STD. | 700 | 543 | 1.33 | 1696 | 407 | 77 | 8 | 1800 | \$15,517 |
| D249-800 | CBA080003101103 | STD. | 800 | 620 | 1.33 | 1938 | 465 | 77 | 9 | 2000 | \$16,671 |
| D249-900 | CBA090003101103 | STD. | 900 | 698 | 1.33 | 2183 | 524 | 77 | 10 | 2200 | \$17,895 |
| D249-1000 | CBA100003101103 | STD. | 1000 | 775 | 1.33 | 2421 | 581 | 77 | 11 | 2400 | \$18,996 |
| D249-1100 | CBA110003101103 | STD. | 1100 | 853 | 1.33 | 2667 | 640 | 77 | 12 | 2600 | \$22,377 |
| D249-1200 | CBA120003101103 | STD. | 1200 | 930 | 1.33 | 2908 | 698 | 77 | 13 | 2900 | \$23,524 |
| D249-1300 | CBA130003101103 | STD. | 1300 | 1008 | 1.33 | 3150 | 756 | 77 | 14 | 3100 | \$25,281 |
| D249-1400 | CBA140003101103 | STD. | 1400 | 1085 | 1.33 | 3392 | 814 | 77 | 15 | 3300 | \$26,394 |
| D249-1500 | CBA150003101103 | STD. | 1500 | 1163 | 1.33 | 3633 | 872 | 77 | 16 | 3500 | \$27,531 |
| D249-300 | CBA030003103103 | G.R.S. | 300 | 233 | 1.33 | 729 | 175 | 77 | 4 | 1000 | \$9,888 |
| D249-400 | CBA040003103103 | G.R.S. | 400 | 310 | 1.33 | 971 | 233 | 77 | 5 | 1200 | \$10,997 |
| D249-500 | CBA050003103103 | G.R.S. | 500 | 388 | 1.33 | 1213 | 291 | 77 | 6 | 1400 | \$12,108 |
| D249-600 | CBA060003103103 | G.R.S. | 600 | 465 | 1.33 | 1454 | 349 | 77 | 7 | 1600 | \$16,604 |
| D249-700 | CBA070003103103 | G.R.S. | 700 | 543 | 1.33 | 1696 | 407 | 77 | 8 | 1800 | \$17,737 |
| D249-800 | CBA080003103103 | G.R.S. | 800 | 620 | 1.33 | 1938 | 465 | 77 | 9 | 2000 | \$18,849 |
| D249-900 | CBA090003103103 | G.R.S. | 900 | 698 | 1.33 | 2183 | 524 | 77 | 10 | 2200 | \$20,109 |
| D249-1000 | CBA100003103103 | G.R.S. | 1000 | 775 | 1.33 | 2421 | 581 | 77 | 11 | 2400 | \$21,215 |
| D249-1100 | CBA110003103103 | G.R.S. | 1100 | 853 | 1.33 | 2667 | 640 | 77 | 12 | 2600 | \$25,074 |
| D249-1200 | CBA120003103103 | G.R.S. | 1200 | 930 | 1.33 | 2908 | 698 | 77 | 13 | 2900 | \$26,200 |
| D249-1300 | CBA130003103103 | G.R.S. | 1300 | 1008 | 1.33 | 3150 | 756 | 77 | 14 | 3100 | \$27,953 |
| D249-1400 | CBA140003103103 | G.R.S. | 1400 | 1085 | 1.33 | 3392 | 814 | 77 | 15 | 3300 | \$29,070 |
| D249-1500 | CBA150003103103 | G.R.S. | 1500 | 1163 | 1.33 | 3633 | 872 | 77 | 16 | 3500 | \$30,168 |
| D249-300 | CBA030003104103 | F.P.R. | 300 | 233 | 1.33 | 729 | 175 | 77 | 4 | 1000 | \$10,948 |
| D249-400 | CBA040003104103 | F.P.R. | 400 | 310 | 1.33 | 971 | 233 | 77 | 5 | 1200 | \$12,056 |
| D249-500 | CBA050003104103 | F.P.R. | 500 | 388 | 1.33 | 1213 | 291 | 77 | 6 | 1400 | \$13,166 |
| D249-600 | CBA060003104103 | F.P.R. | 600 | 465 | 1.33 | 1454 | 349 | 77 | 7 | 1600 | \$17,661 |
| D249-700 | CBA070003104103 | F.P.R. | 700 | 543 | 1.33 | 1696 | 407 | 77 | 8 | 1800 | \$18,794 |
| D249-800 | CBA080003104103 | F.P.R. | 800 | 620 | 1.33 | 1938 | 465 | 77 | 9 | 2000 | \$19,914 |
| D249-900 | CBA090003104103 | F.P.R. | 900 | 698 | 1.33 | 2183 | 524 | 77 | 10 | 2200 | \$21,168 |
| D249-1000 | CBA100003104103 | F.P.R. | 1000 | 775 | 1.33 | 2421 | 581 | 77 | 11 | 2400 | \$22,275 |
| D249-1100 | CBA110003104103 | F.P.R. | 1100 | 853 | 1.33 | 2667 | 640 | 77 | 12 | 2600 | \$26,133 |
| D249-1200 | CBA120003104103 | F.P.R. | 1200 | 930 | 1.33 | 2908 | 698 | 77 | 13 | 2900 | \$27,259 |
| D249-1300 | CBA130003104103 | F.P.R. | 1300 | 1008 | 1.33 | 3150 | 756 | 77 | 14 | 3100 | \$29,013 |
| D249-1400 | CBA140003104103 | F.P.R. | 1400 | 1085 | 1.33 | 3392 | 814 | 77 | 15 | 3300 | \$30,129 |
| D249-1500 | CBA150003104103 | F.P.R. | 1500 | 1163 | 1.33 | 3633 | 872 | 77 | 16 | 3500 | \$31,227 |

***Type (STD. - Standard) (G.R.S. - CSD-1 Gravity Return System) (F.P.R. - CSD-1 Boiler Feed Pump Return Control)**

D249 - Knock Down Components & Optional Equipment

| Model | Item Number | Description | Trade Price |
|--------------|--------------------|---|--------------------|
| D249 | 41154050D | CAST IRON SECTIONS - RIGHT END (179 LBS.) | \$996 |
| D249 | 41154051D | CAST IRON SECTIONS - LEFT END (182 LBS.) | \$996 |
| D249 | 41154052D | CAST IRON SECTIONS - INTERMEDIATE (165 LBS.) | \$868 |
| D249-300 | 550002861D | COMPONENT CARTON - 300 | \$2,649 |
| D249-400 | 550002862D | COMPONENT CARTON - 400 | \$2,806 |
| D249-500 | 550002863D | COMPONENT CARTON - 500 | \$2,944 |
| D249-300 | 550002890D | COMPONENT CARTON - 300 CSD-1 | \$3,092 |
| D249-400 | 550002891D | COMPONENT CARTON - 400 CSD-1 | \$3,250 |
| D249-500 | 550002892D | COMPONENT CARTON - 500 CSD-1 | \$3,388 |
| D249 | 550002871D | END PANEL CARTON - JACKET | \$386 |
| D249 | 550002860D | END PANEL CARTON - BASE | \$348 |
| D249 | 41200061D | STEAM TRIM - SA 1 (SIZES/MODELS: 300 -500) | \$1,294 |
| D249 | 41200062D | STEAM TRIM - SA 2 (SIZES/MODELS: 600 - 700) | \$1,312 |
| D249 | 41200063D | STEAM TRIM - SA 3 (SIZES/MODELS: 800 - 1400) | \$1,346 |
| D249 | 41200064D | STEAM TRIM - SA 4 (SIZES/MODELS: 1500) | \$1,360 |
| D249-300 | 550002877DS | ACCESSORY CARTON - 300 | \$452 |
| D249-400 | 550002878DS | ACCESSORY CARTON - 400 | \$536 |
| D249-500 | 550002867DS | ACCESSORY CARTON - 500 | \$641 |
| D249-600 | 550002879DS | ACCESSORY CARTON - 600 | \$726 |
| D249-700 | 550002880DS | ACCESSORY CARTON - 700 | \$813 |
| D249-800 | 550002881DS | ACCESSORY CARTON - 800 | \$943 |
| D249-900 | 550002882DS | ACCESSORY CARTON - 900 | \$1,122 |
| D249-1000 | 550002868DS | ACCESSORY CARTON - 1000 | \$1,222 |
| D249-1100 | 550002883DS | ACCESSORY CARTON - 1100 | \$1,396 |
| D249-1200 | 550002884DS | ACCESSORY CARTON - 1200 | \$1,469 |
| D249-1300 | 550002885DS | ACCESSORY CARTON - 1300 | \$2,237 |
| D249-1400 | 550002886DS | ACCESSORY CARTON - 1400 | \$2,326 |
| D249-1500 | 550002869DS | ACCESSORY CARTON - 1500 | \$2,456 |
| D249 | 41257103D | CSD-1 STEAM TRIM - GRAVITY/CONDENSATE (ALL SIZES) | \$587 |
| D249 | 41257104D | CSD-1 STEAM TRIM - FEED PUMP (ALL SIZES) | \$1,647 |
| D249-300 | 550002893DS | CSD-1 ACCESSORY CARTON - 300 | \$452 |
| D249-400 | 550002894DS | CSD-1 ACCESSORY CARTON - 400 | \$536 |
| D249-500 | 550002895DS | CSD-1 ACCESSORY CARTON - 500 | \$641 |
| D249-600 | 550002896DS | CSD-1 ACCESSORY CARTON - 600 | \$1,451 |
| D249-700 | 550002897DS | CSD-1 ACCESSORY CARTON - 700 | \$1,559 |
| D249-800 | 550002898DS | CSD-1 ACCESSORY CARTON - 800 | \$1,653 |
| D249-900 | 550002899DS | CSD-1 ACCESSORY CARTON - 900 | \$1,866 |
| D249-1000 | 550002900DS | CSD-1 ACCESSORY CARTON - 1000 | \$1,966 |
| D249-1100 | 550002901DS | CSD-1 ACCESSORY CARTON - 1100 | \$2,141 |
| D249-1200 | 550002902DS | CSD-1 ACCESSORY CARTON - 1200 | \$2,227 |
| D249-1300 | 550002903DS | CSD-1 ACCESSORY CARTON - 1300 | \$2,994 |
| D249-1400 | 550002904DS | CSD-1 ACCESSORY CARTON - 1400 | \$3,084 |
| D249-1500 | 550002905DS | CSD-1 ACCESSORY CARTON - 1500 | \$3,175 |

D249 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-------|-------------|--|-------------|
| D249 | 14662311 | STEAM MANUAL RESET PRESSURE CONTROL (L4079B1033) | \$293 |
| D249 | 1280001 | M-M 47-2 LWCO & FEEDER (MODELS 300-1500) | \$1,318 |
| D249 | 14662313 | STRAP ON OPERATING CONTROL (L6006C-1034) | \$176 |
| D249 | 240007388 | LWCO, MAN RESET, CSD-1 APPROVED, SHT PROBE | \$233 |

D249 - Standard Equipment

Standard Equipment:

(67 Low Water Cut-Off, PA404A Pressuretrol and Syphon Loop, Water Gauge Glass Set with Glass and Rods, Steam Gauge, Pop Safety Valve).

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

- 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 D249-300 and D249-400 do not require fuel train modifications for CSD-1. The standard fuel train is furnished.
2. Control equipment is included to meet Utica'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.

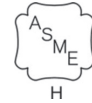
***Combustible Floor Requirements:**

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual in the following manner. Boilers cannot be installed on carpeting with or without the base or any combustible flooring.

A) For installations on combustible flooring a special base MUST be used per the manufacturer and NFPA 54 / ANSI Z223.1, 2015 Edition, section 10.3.3.

Equipment must be installed on a fire-resistive slab or 4 inch (1000 mm) minimum cinder block, unsealed and joints matched for air circulation or equivalent 2-hour fire rated assembly, covered with sheet metal 0.0195 (0.50 mm) minimum thickness.

For questions on boiler placement or combustible floor requirements please call 1-800-253-7900.



EXCELSIOR EXB Cast-Iron 3-Pass Boilers

- MBH Input 105-266
- Up to 87% AFUE
- Advanced High Efficiency 3-Pass Heat Exchanger Design
- High Limit Control with:
 - LED display
 - Easy to program dial settings
 - Boiler Water Temperature Reset
 - Low Water Cut Off (LWCO)
- Compact Footprint
- Burners and Venting Options (Burner cover standard)
- Easy Serviceability



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|------------|--------------------------------------|------------------------|
| Top | 12" (320 mm) | 24" (610 mm) |
| Left | 2" (50 mm) | 24" (610 mm) |
| Right | 2" (50 mm) | 24" (610 mm) |
| Front | 17" (430 mm) | 24" (610 mm) |
| Back | 9" (230 mm) | 24" (610 mm) |
| Bottom | Combustible | NA |
| Flue | 9" (230 mm) | 9" (230 mm) |

(1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.

| General Information (See IOM for Complete Instructions) | | | | |
|---|---|---------|---------|---------|
| Model | EXB4 | EXB5 | EXB6 | EXB7 |
| Water Return/Supply | 1 1/4" NPT | | | |
| Drain Valve | 3/4" NPT | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Water Content (Gallons) | 3.6 | 4.3 | 5.1 | 5.9 |
| Dimensions | Height | 31" | 31" | 31" |
| | Width | 17 3/4" | 17 3/4" | 17 3/4" |
| | Depth | 18 3/8" | 21 5/8" | 24 7/8" |
| Weight | 436 lbs | 496 lbs | 560 lbs | 620 lbs |

EXCELSIOR EXB - Cast-Iron 3-Pass Oil Boiler

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Burner | Pump | AFUE % | No. of Sect. | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|------|-----------|---------------|--------------|---------|----------|--------|--------------|---------------|-------------|
| EXB4075 | EXB407530200203 | OIL | 105 | 92 | 80 | BECKETT | LESS | 87 | 4 | 436 | \$2,684 |
| EXB4095 | EXB409530200203 | OIL | 133 | 114 | 99 | BECKETT | LESS | 85 | 4 | 436 | \$2,684 |
| EXB4110 | EXB411030200203 | OIL | 154 | 132 | 115 | BECKETT | LESS | 84 | 4 | 436 | \$2,684 |
| EXB5100 | EXB510030200203 | OIL | 140 | 123 | 107 | BECKETT | LESS | 87 | 5 | 496 | \$3,059 |
| EXB5115 | EXB511530200203 | OIL | 161 | 139 | 121 | BECKETT | LESS | 85 | 5 | 496 | \$3,059 |
| EXB5135 | EXB513530200203 | OIL | 189 | 161 | 140 | BECKETT | LESS | 84 | 5 | 496 | \$3,059 |
| EXB6130 | EXB613030200203 | OIL | 182 | 160 | 139 | BECKETT | LESS | 87 | 6 | 560 | \$3,227 |
| EXB6145 | EXB614530200203 | OIL | 203 | 176 | 153 | BECKETT | LESS | 85 | 6 | 560 | \$3,227 |
| EXB7165 | EXB716530200203 | OIL | 231 | 202 | 176 | BECKETT | LESS | 87 | 7 | 620 | \$3,682 |
| EXB4075 | EXB407530240203 | OIL | 105 | 92 | 80 | BECKETT | TACO ECM | 87 | 4 | 436 | \$2,765 |
| EXB4095 | EXB409530240203 | OIL | 133 | 114 | 99 | BECKETT | TACO ECM | 85 | 4 | 436 | \$2,765 |
| EXB4110 | EXB411030240203 | OIL | 154 | 132 | 115 | BECKETT | TACO ECM | 84 | 4 | 436 | \$2,765 |
| EXB5100 | EXB510030240203 | OIL | 140 | 123 | 107 | BECKETT | TACO ECM | 87 | 5 | 496 | \$3,143 |
| EXB5115 | EXB511530240203 | OIL | 161 | 139 | 121 | BECKETT | TACO ECM | 85 | 5 | 496 | \$3,143 |
| EXB5135 | EXB513530240203 | OIL | 189 | 161 | 140 | BECKETT | TACO ECM | 84 | 5 | 496 | \$3,143 |
| EXB6130 | EXB613030240203 | OIL | 182 | 160 | 139 | BECKETT | TACO ECM | 87 | 6 | 560 | \$3,310 |
| EXB6145 | EXB614530240203 | OIL | 203 | 176 | 153 | BECKETT | TACO ECM | 85 | 6 | 560 | \$3,310 |
| EXB7165 | EXB716530240203 | OIL | 231 | 202 | 176 | BECKETT | TACO ECM | 87 | 7 | 620 | \$3,765 |
| EXB4075 | EXB407530220203 | OIL | 105 | 92 | 80 | BECKETT | GRUNDFOS | 87 | 4 | 436 | \$2,765 |
| EXB4095 | EXB409530220203 | OIL | 133 | 114 | 99 | BECKETT | GRUNDFOS | 85 | 4 | 436 | \$2,765 |
| EXB4110 | EXB411030220203 | OIL | 154 | 132 | 115 | BECKETT | GRUNDFOS | 84 | 4 | 436 | \$2,765 |
| EXB5100 | EXB510030220203 | OIL | 140 | 123 | 107 | BECKETT | GRUNDFOS | 87 | 5 | 496 | \$3,143 |
| EXB5115 | EXB511530220203 | OIL | 161 | 139 | 121 | BECKETT | GRUNDFOS | 85 | 5 | 496 | \$3,143 |
| EXB5135 | EXB513530220203 | OIL | 189 | 161 | 140 | BECKETT | GRUNDFOS | 84 | 5 | 496 | \$3,143 |
| EXB6130 | EXB613030220203 | OIL | 182 | 160 | 139 | BECKETT | GRUNDFOS | 87 | 6 | 560 | \$3,310 |
| EXB6145 | EXB614530220203 | OIL | 203 | 176 | 153 | BECKETT | GRUNDFOS | 85 | 6 | 560 | \$3,310 |
| EXB7165 | EXB716530220203 | OIL | 231 | 202 | 176 | BECKETT | GRUNDFOS | 87 | 7 | 620 | \$3,765 |
| EXB4110 | EXB411020240203 | OIL | 154 | 132 | 115 | LESS | TACO ECM | 84 | 4 | 436 | \$2,048 |
| EXB5135 | EXB513520240203 | OIL | 189 | 161 | 140 | LESS | TACO ECM | 84 | 5 | 496 | \$2,386 |
| EXB6165 | EXB616520240203 | OIL | 231 | 198 | 172 | LESS | TACO ECM | 84 | 6 | 560 | \$2,621 |
| EXB7190 | EXB719020240203 | OIL | 266 | 228 | 198 | LESS | TACO ECM | 84 | 7 | 620 | \$3,019 |
| EXB4110 | EXB411020220203 | OIL | 154 | 132 | 115 | LESS | GRUNDFOS | 84 | 4 | 436 | \$2,048 |
| EXB5135 | EXB513520220203 | OIL | 189 | 161 | 140 | LESS | GRUNDFOS | 84 | 5 | 496 | \$2,386 |
| EXB6165 | EXB616520220203 | OIL | 231 | 198 | 172 | LESS | GRUNDFOS | 84 | 6 | 560 | \$2,621 |
| EXB7190 | EXB719020220203 | OIL | 266 | 228 | 198 | LESS | GRUNDFOS | 84 | 7 | 620 | \$3,019 |
| EXB4110 | EXB411020200203 | OIL | 154 | 132 | 115 | LESS | LESS | 84 | 4 | 436 | \$1,966 |
| EXB5135 | EXB513520200203 | OIL | 189 | 161 | 140 | LESS | LESS | 84 | 5 | 496 | \$2,302 |
| EXB6165 | EXB616520200203 | OIL | 231 | 198 | 172 | LESS | LESS | 84 | 6 | 560 | \$2,538 |
| EXB7190 | EXB719020200203 | OIL | 266 | 228 | 198 | LESS | LESS | 84 | 7 | 620 | \$2,935 |
| EXB4075 | EXB407550200203 | OIL | 105 | 92 | 80 | RIELLO | LESS | 87 | 4 | 436 | \$2,756 |
| EXB4095 | EXB409550200203 | OIL | 133 | 114 | 99 | RIELLO | LESS | 85 | 4 | 436 | \$2,756 |
| EXB4110 | EXB411050200203 | OIL | 154 | 132 | 115 | RIELLO | LESS | 84 | 4 | 436 | \$2,756 |
| EXB5100 | EXB510050200203 | OIL | 140 | 123 | 107 | RIELLO | LESS | 87 | 5 | 496 | \$3,180 |
| EXB5115 | EXB511550200203 | OIL | 161 | 139 | 121 | RIELLO | LESS | 85 | 5 | 496 | \$3,180 |

EXCELSIOR EXB - Cast-Iron 3-Pass Oil Boiler

| Model | Item Number | Fuel | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Burner | Pump | AFUE % | No. of Sect. | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|------|-----------|---------------|--------------|--------|----------|--------|--------------|---------------|-------------|
| EXB5135 | EXB513550200203 | OIL | 189 | 161 | 140 | RIELLO | LESS | 84 | 5 | 496 | \$3,180 |
| EXB6130 | EXB613050200203 | OIL | 182 | 160 | 139 | RIELLO | LESS | 87 | 6 | 560 | \$3,347 |
| EXB6145 | EXB614550200203 | OIL | 203 | 176 | 153 | RIELLO | LESS | 85 | 6 | 560 | \$3,347 |
| EXB6165 | EXB616550200203 | OIL | 231 | 198 | 172 | RIELLO | LESS | 84 | 6 | 560 | \$3,652 |
| EXB7165 | EXB716550200203 | OIL | 231 | 202 | 176 | RIELLO | LESS | 87 | 7 | 620 | \$3,743 |
| EXB7180 | EXB718050200203 | OIL | 252 | 217 | 189 | RIELLO | LESS | 85 | 7 | 620 | \$4,048 |
| EXB7190 | EXB719050200203 | OIL | 266 | 228 | 198 | RIELLO | LESS | 84 | 7 | 620 | \$4,048 |
| EXB4075 | EXB407550240203 | OIL | 105 | 92 | 80 | RIELLO | TACO ECM | 87 | 4 | 436 | \$2,840 |
| EXB4095 | EXB409550240203 | OIL | 133 | 114 | 99 | RIELLO | TACO ECM | 85 | 4 | 436 | \$2,840 |
| EXB4110 | EXB411050240203 | OIL | 154 | 132 | 115 | RIELLO | TACO ECM | 84 | 4 | 436 | \$2,840 |
| EXB5100 | EXB510050240203 | OIL | 140 | 123 | 107 | RIELLO | TACO ECM | 87 | 5 | 496 | \$3,264 |
| EXB5115 | EXB511550240203 | OIL | 161 | 139 | 121 | RIELLO | TACO ECM | 85 | 5 | 496 | \$3,264 |
| EXB5135 | EXB513550240203 | OIL | 189 | 161 | 140 | RIELLO | TACO ECM | 84 | 5 | 496 | \$3,264 |
| EXB6130 | EXB613050240203 | OIL | 182 | 160 | 139 | RIELLO | TACO ECM | 87 | 6 | 560 | \$3,431 |
| EXB6145 | EXB614550240203 | OIL | 203 | 176 | 153 | RIELLO | TACO ECM | 85 | 6 | 560 | \$3,431 |
| EXB6165 | EXB616550240203 | OIL | 231 | 198 | 172 | RIELLO | TACO ECM | 84 | 6 | 560 | \$3,735 |
| EXB7165 | EXB716550240203 | OIL | 231 | 202 | 176 | RIELLO | TACO ECM | 87 | 7 | 620 | \$3,826 |
| EXB7180 | EXB718050240203 | OIL | 252 | 217 | 189 | RIELLO | TACO ECM | 85 | 7 | 620 | \$4,131 |
| EXB7190 | EXB719050240203 | OIL | 266 | 228 | 198 | RIELLO | TACO ECM | 84 | 7 | 620 | \$4,131 |
| EXB4075 | EXB407550220203 | OIL | 105 | 92 | 80 | RIELLO | GRUNDFOS | 87 | 4 | 436 | \$2,840 |
| EXB4095 | EXB409550220203 | OIL | 133 | 114 | 99 | RIELLO | GRUNDFOS | 85 | 4 | 436 | \$2,840 |
| EXB4110 | EXB411050220203 | OIL | 154 | 132 | 115 | RIELLO | GRUNDFOS | 84 | 4 | 436 | \$2,840 |
| EXB5100 | EXB510050220203 | OIL | 140 | 123 | 107 | RIELLO | GRUNDFOS | 87 | 5 | 496 | \$3,264 |
| EXB5115 | EXB511550220203 | OIL | 161 | 139 | 121 | RIELLO | GRUNDFOS | 85 | 5 | 496 | \$3,264 |
| EXB5135 | EXB513550220203 | OIL | 189 | 161 | 140 | RIELLO | GRUNDFOS | 84 | 5 | 496 | \$3,264 |
| EXB6130 | EXB613050220203 | OIL | 182 | 160 | 139 | RIELLO | GRUNDFOS | 87 | 6 | 560 | \$3,431 |
| EXB6145 | EXB614550220203 | OIL | 203 | 176 | 153 | RIELLO | GRUNDFOS | 85 | 6 | 560 | \$3,431 |
| EXB6165 | EXB616550220203 | OIL | 231 | 198 | 172 | RIELLO | GRUNDFOS | 84 | 6 | 560 | \$3,735 |
| EXB7165 | EXB716550220203 | OIL | 231 | 202 | 176 | RIELLO | GRUNDFOS | 87 | 7 | 620 | \$3,826 |
| EXB7180 | EXB718050220203 | OIL | 252 | 217 | 189 | RIELLO | GRUNDFOS | 85 | 7 | 620 | \$4,131 |
| EXB7190 | EXB719050220203 | OIL | 266 | 228 | 198 | RIELLO | GRUNDFOS | 84 | 7 | 620 | \$4,131 |

EXCELSIOR EXB - Venting Options & Additional Equipment

| Model | Item Number | Description | Trade Price |
|-------|-------------|---|-------------|
| EXB | 29231D | 36" RISER TERMINATION | \$1,199 |
| EXB | 28972D | STANDARD TERMINATION | \$511 |
| EXB | 550003419D | 4" ID X 10 FT DIRECT VENT PIPE KIT (SELECT TERMINATION) | \$587 |
| EXB | 550003420D | 4" ID X 15 FT DIRECT VENT PIPE KIT (SELECT TERMINATION) | \$702 |
| EXB | 550003421D | 4" ID X 20 FT DIRECT VENT PIPE KIT (SELECT TERMINATION) | \$827 |

EXCELSIOR EXB - Replacement Oil Burners

| | | | |
|---------|------------|--|-------|
| EXB4075 | 240007232D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$644 |
| EXB4095 | 240009385D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$644 |
| EXB4110 | 240009386D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$644 |
| EXB5100 | 240007233D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$683 |
| EXB5115 | 240009387D | BECKETT CHIMNEY VENT W/O COVER MODEL NX | \$683 |

| EXCELSIOR EXB - Replacement Oil Burners Cont. | | | |
|--|------------|--|---------|
| EXB5135 | 240009388D | BECKETT CHIMNEY VENT W/O COVER MODEL NX | \$683 |
| EXB6130 | 240007234D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$616 |
| EXB6145 | 240009389D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$616 |
| EXB7165 | 240007235D | BECKETT CHIMNEY VENT W/O COVER MODEL AFG | \$675 |
| EXB4075 | 240007144D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$691 |
| EXB4095 | 240009377D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$691 |
| EXB4110 | 240009378D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$691 |
| EXB5100 | 240007145D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$728 |
| EXB5115 | 240009379D | BECKETT CHIMNEY VENT WITH COVER MODEL NX | \$728 |
| EXB5135 | 240009380D | BECKETT CHIMNEY VENT WITH COVER MODEL NX | \$728 |
| EXB6130 | 240007146D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$662 |
| EXB6145 | 240009381D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$662 |
| EXB7165 | 240007183D | BECKETT CHIMNEY VENT WITH COVER MODEL AFG | \$718 |
| EXB4075 | 240007531D | BECKETT DIRECT VENT MODEL NX | \$824 |
| EXB4095 | 240009393D | BECKETT DIRECT VENT MODEL NX | \$824 |
| EXB5100 | 240007532D | BECKETT DIRECT VENT MODEL NX | \$859 |
| EXB5115 | 240009395D | BECKETT DIRECT VENT MODEL NX | \$859 |
| EXB5135 | 240009396D | BECKETT DIRECT VENT MODEL NX | \$859 |
| EXB6130 | 240007533D | BECKETT DIRECT VENT MODEL NX | \$794 |
| EXB4075 | 550003548D | RIELLO CHIMNEY VENT MODEL 40F | \$762 |
| EXB4095 | 550003549D | RIELLO CHIMNEY VENT MODEL 40F | \$762 |
| EXB4110 | 550003550D | RIELLO CHIMNEY VENT MODEL 40F | \$762 |
| EXB5100 | 550003551D | RIELLO CHIMNEY VENT MODEL 40F | \$847 |
| EXB5115 | 550003552D | RIELLO CHIMNEY VENT MODEL 40F | \$847 |
| EXB5135 | 550003553D | RIELLO CHIMNEY VENT MODEL 40F | \$847 |
| EXB6130 | 550003554D | RIELLO CHIMNEY VENT MODEL 40F | \$778 |
| EXB6145 | 550003555D | RIELLO CHIMNEY VENT MODEL 40F | \$778 |
| EXB6165 | 550003556D | RIELLO CHIMNEY VENT MODEL 40F | \$1,071 |
| EXB7165 | 550003557D | RIELLO CHIMNEY VENT MODEL 40F | \$778 |
| EXB7180 | 550003558D | RIELLO CHIMNEY VENT MODEL 40F | \$1,071 |
| EXB7190 | 550003559D | RIELLO CHIMNEY VENT MODEL 40F | \$1,071 |
| EXB4075 | 550003560D | RIELLO DIRECT VENT MODEL 40BF | \$1,111 |
| EXB4095 | 550003561D | RIELLO DIRECT VENT MODEL 40BF | \$1,111 |
| EXB4110 | 550003562D | RIELLO DIRECT VENT MODEL 40BF | \$1,111 |
| EXB5100 | 550003563D | RIELLO DIRECT VENT MODEL 40BF | \$1,194 |
| EXB5115 | 550003564D | RIELLO DIRECT VENT MODEL 40BF | \$1,194 |
| EXB5135 | 550003565D | RIELLO DIRECT VENT MODEL 40BF | \$1,194 |
| EXB6130 | 550003566D | RIELLO DIRECT VENT MODEL 40BF | \$1,128 |
| EXB | 240010357D | CARLIN CHIMNEY VENT EZ-LF (4075, 4095, 4110, 5100, 5115, 5135) | \$696 |
| EXCELSIOR EXB (Use Parts Multiplier for All of the Following) | | | |
| EXB | 550001929 | KIT, HIGH LIMIT MANUAL RESET L4006E1109 WITH PLUG IN HARNESS | \$244 |
| EXB | 14624002 | FILL-TROL FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| EXB | 14624003 | FILL-TROL FOR WATER BOILERS OVER 150 MBH | \$445 |

EMPIRE EW II Cast-Iron Chimney Vent Boilers

- MBH Input 119-294 (CH)
- Up to 86.5% AFUE
- Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Swing out Burner Door
- Hydrolevel Operating Control
 - Digital display and diagnostics
 - Adjusts water temperature based on your heating system demand
 - Built-in Low Water Cut Off (LWCO)
- Optional Tankless Domestic Water Heater Coil



| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|------------|--------------------------------------|------------------------|
| Top | 6" (152 mm) | 24" (610 mm) |
| Left | 6" (152 mm) | NA |
| Right | 24" (610 mm) | NA |
| Front | 24" (610 mm) | NA |
| Back | 6" (152 mm) | NA |
| Bottom | Non-Combustible | NA |
| Flue | 9" (230 mm) | 9" (230 mm) |

(1) Required distances measured from boiler.
 (2) Proper operation clearance recommended.

| General Information (See IOM for Complete Instructions) | | | | |
|---|---|---------|---------|--|
| Model | EW3 | EW4 | EW5 | |
| Water Return/Supply | 1 1/4" NPT | | | |
| Optional Tankless Coil | 1/2" NPT | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Water Content (Gallons) | 9.6 | 11.6 | 13.7 | |
| Dimensions | Height | 36" | 36" | |
| | Width | 20 1/2" | 20 1/2" | |
| | Depth | 14 1/2" | 17 3/4" | |
| Weight | 470 lbs | 545 lbs | 630 lbs | |

EMPIRE EW II - Cast-Iron Chimney Vent Oil Boiler

| Model | Item Number | Type | Input MBH | AHRI Net MBH | Burner | Pump | AFUE % | Firing Rate GPH | Tank-less GPM | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|------|-----------|--------------|---------|----------|--------|-----------------|---------------|---------------|-------------|
| 3EW.65 | EWB306531200303 | LESS | 91 | 70 | BECKETT | LESS | 86.3 | 0.65 | N/A | 470 | \$3,037 |
| 3EW.75 | EWB307531200303 | LESS | 105 | 80 | BECKETT | LESS | 85.2 | 0.75 | N/A | 470 | \$3,037 |
| 3EW1.00 | EWB310031200303 | LESS | 140 | 104 | BECKETT | LESS | 84 | 1.00 | N/A | 470 | \$3,037 |
| 4EW.90 | EWB409031200303 | LESS | 126 | 97 | BECKETT | LESS | 86 | 0.90 | N/A | 545 | \$3,574 |
| 4EW1.25 | EWB412531200303 | LESS | 175 | 131 | BECKETT | LESS | 85 | 1.25 | N/A | 545 | \$3,574 |
| 4EW1.50 | EWB415031200303 | LESS | 210 | 156 | BECKETT | LESS | 84 | 1.50 | N/A | 545 | \$3,574 |
| 5EW1.20 | EWB512031200303 | LESS | 168 | 128 | BECKETT | LESS | 86.5 | 1.20 | N/A | 630 | \$4,320 |
| 5EW1.75 | EWB517531200303 | LESS | 245 | 183 | BECKETT | LESS | 84.3 | 1.75 | N/A | 630 | \$4,320 |
| 3EW.65 | EWB306532200303 | COIL | 91 | 70 | BECKETT | LESS | 86.3 | 0.65 | 2.9 | 470 | \$3,547 |
| 3EW.75 | EWB307532200303 | COIL | 105 | 80 | BECKETT | LESS | 85.2 | 0.75 | 3 | 470 | \$3,547 |
| 3EW1.00 | EWB310032200303 | COIL | 140 | 104 | BECKETT | LESS | 84 | 1.00 | 3.25 | 470 | \$3,547 |
| 4EW.90 | EWB409032200303 | COIL | 126 | 97 | BECKETT | LESS | 86 | 0.90 | 3.15 | 545 | \$4,087 |
| 4EW1.25 | EWB412532200303 | COIL | 175 | 131 | BECKETT | LESS | 85 | 1.25 | 3.5 | 545 | \$4,087 |
| 4EW1.50 | EWB415032200303 | COIL | 210 | 156 | BECKETT | LESS | 84 | 1.50 | 3.75 | 545 | \$4,087 |
| 5EW1.20 | EWB512032200303 | COIL | 168 | 128 | BECKETT | LESS | 86.5 | 1.20 | 3.45 | 630 | \$4,839 |
| 5EW1.75 | EWB517532200303 | COIL | 245 | 183 | BECKETT | LESS | 84.3 | 1.75 | 4 | 630 | \$4,839 |
| 3EW.65 | EWB306531240303 | LESS | 91 | 70 | BECKETT | TACO ECM | 86.3 | 0.65 | N/A | 470 | \$3,119 |
| 3EW.75 | EWB307531240303 | LESS | 105 | 80 | BECKETT | TACO ECM | 85.2 | 0.75 | N/A | 470 | \$3,119 |
| 3EW1.00 | EWB310031240303 | LESS | 140 | 104 | BECKETT | TACO ECM | 84 | 1.00 | N/A | 470 | \$3,119 |
| 4EW.90 | EWB409031240303 | LESS | 126 | 97 | BECKETT | TACO ECM | 86 | 0.90 | N/A | 545 | \$3,653 |
| 4EW1.25 | EWB412531240303 | LESS | 175 | 131 | BECKETT | TACO ECM | 85 | 1.25 | N/A | 545 | \$3,653 |
| 4EW1.50 | EWB415031240303 | LESS | 210 | 156 | BECKETT | TACO ECM | 84 | 1.50 | N/A | 545 | \$3,653 |
| 5EW1.20 | EWB512031240303 | LESS | 168 | 128 | BECKETT | TACO ECM | 86.5 | 1.20 | N/A | 630 | \$4,400 |
| 5EW1.75 | EWB517531240303 | LESS | 245 | 183 | BECKETT | TACO ECM | 84.3 | 1.75 | N/A | 630 | \$4,400 |
| 3EW.65 | EWB306532240303 | COIL | 91 | 70 | BECKETT | TACO ECM | 86.3 | 0.65 | 2.9 | 470 | \$3,631 |
| 3EW.75 | EWB307532240303 | COIL | 105 | 80 | BECKETT | TACO ECM | 85.2 | 0.75 | 3 | 470 | \$3,631 |
| 3EW1.00 | EWB310032240303 | COIL | 140 | 104 | BECKETT | TACO ECM | 84 | 1.00 | 3.25 | 470 | \$3,631 |
| 4EW.90 | EWB409032240303 | COIL | 126 | 97 | BECKETT | TACO ECM | 86 | 0.90 | 3.15 | 545 | \$4,167 |
| 4EW1.25 | EWB412532240303 | COIL | 175 | 131 | BECKETT | TACO ECM | 85 | 1.25 | 3.5 | 545 | \$4,167 |
| 4EW1.50 | EWB415032240303 | COIL | 210 | 156 | BECKETT | TACO ECM | 84 | 1.50 | 3.75 | 545 | \$4,167 |
| 5EW1.20 | EWB512032240303 | COIL | 168 | 128 | BECKETT | TACO ECM | 86.5 | 1.20 | 3.45 | 630 | \$4,919 |
| 5EW1.75 | EWB517532240303 | COIL | 245 | 183 | BECKETT | TACO ECM | 84.3 | 1.75 | 4 | 630 | \$4,919 |
| 3EW.65 | EWB306531230303 | LESS | 91 | 70 | BECKETT | GRUNDFOS | 86.3 | 0.65 | N/A | 470 | \$3,119 |
| 3EW.75 | EWB307531220303 | LESS | 105 | 80 | BECKETT | GRUNDFOS | 85.2 | 0.75 | N/A | 470 | \$3,119 |
| 3EW1.00 | EWB310031220303 | LESS | 140 | 104 | BECKETT | GRUNDFOS | 84 | 1.00 | N/A | 470 | \$3,119 |
| 4EW.90 | EWB409031220303 | LESS | 126 | 97 | BECKETT | GRUNDFOS | 86 | 0.90 | N/A | 545 | \$3,653 |
| 4EW1.25 | EWB412531220303 | LESS | 175 | 131 | BECKETT | GRUNDFOS | 85 | 1.25 | N/A | 545 | \$3,653 |
| 4EW1.50 | EWB415031220303 | LESS | 210 | 156 | BECKETT | GRUNDFOS | 84 | 1.50 | N/A | 545 | \$3,653 |
| 5EW1.20 | EWB512031220303 | LESS | 168 | 128 | BECKETT | GRUNDFOS | 86.5 | 1.20 | N/A | 630 | \$4,400 |
| 5EW1.75 | EWB517531220303 | LESS | 245 | 183 | BECKETT | GRUNDFOS | 84.3 | 1.75 | N/A | 630 | \$4,400 |
| 3EW.65 | EWB306532230303 | COIL | 91 | 70 | BECKETT | GRUNDFOS | 86.3 | 0.65 | 2.9 | 470 | \$3,631 |
| 3EW.75 | EWB307532220303 | COIL | 105 | 80 | BECKETT | GRUNDFOS | 85.2 | 0.75 | 3 | 470 | \$3,631 |
| 3EW1.00 | EWB310032220303 | COIL | 140 | 104 | BECKETT | GRUNDFOS | 84 | 1.00 | 3.25 | 470 | \$3,631 |
| 4EW.90 | EWB409032220303 | COIL | 126 | 97 | BECKETT | GRUNDFOS | 86 | 0.90 | 3.15 | 545 | \$4,167 |

EMPIRE EW II - Cast-Iron Chimney Vent Oil Boiler (Cont.)

| Model | Item Number | Type* | Input MBH | AHRI Net MBH | Burner | Pump | AFUE % | Firing Rate GPH | Tank-less GPM | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-------|-----------|--------------|---------|----------|--------|-----------------|---------------|---------------|-------------|
| 4EW1.25 | EWB412532220303 | COIL | 175 | 131 | BECKETT | GRUNDFOS | 85 | 1.25 | 3.5 | 545 | \$4,167 |
| 4EW1.50 | EWB415032220303 | COIL | 210 | 156 | BECKETT | GRUNDFOS | 84 | 1.50 | 3.75 | 545 | \$4,167 |
| 5EW1.20 | EWB512032220303 | COIL | 168 | 128 | BECKETT | GRUNDFOS | 86.5 | 1.20 | 3.45 | 630 | \$4,919 |
| 5EW1.75 | EWB517532220303 | COIL | 245 | 183 | BECKETT | GRUNDFOS | 84.3 | 1.75 | 4 | 630 | \$4,919 |
| 3EW.75 | EWB307531230303 | LESS | 105 | 80 | BECKETT | B&G | 85.2 | 0.75 | N/A | 470 | \$3,119 |
| 3EW1.00 | EWB310031230303 | LESS | 140 | 104 | BECKETT | B&G | 84 | 1.00 | N/A | 470 | \$3,119 |
| 4EW1.25 | EWB412531230303 | LESS | 175 | 131 | BECKETT | B&G | 85 | 1.25 | N/A | 545 | \$3,653 |
| 3EW.75 | EWB307532230303 | COIL | 105 | 80 | BECKETT | B&G | 85.2 | 0.75 | 3 | 470 | \$3,631 |
| 3EW1.00 | EWB310032230303 | COIL | 140 | 104 | BECKETT | B&G | 84 | 1.00 | 3.25 | 470 | \$3,631 |
| 4EW1.25 | EWB412532230303 | COIL | 175 | 131 | BECKETT | B&G | 85 | 1.25 | 3.5 | 545 | \$4,167 |
| 4EW1.50 | EWB415032230303 | COIL | 210 | 156 | BECKETT | B&G | 84 | 1.50 | 3.75 | 545 | \$4,175 |
| 3EW1.00 | EWB310021200303 | LESS | 140 | 104 | LESS | LESS | 84 | 1.00 | N/A | 470 | \$2,363 |
| 4EW1.50 | EWB415021200303 | LESS | 210 | 156 | LESS | LESS | 84 | 1.50 | N/A | 545 | \$2,898 |
| 5EW1.75 | EWB517521200303 | LESS | 245 | 183 | LESS | LESS | 84.3 | 1.75 | N/A | 630 | \$3,644 |
| 3EW1.00 | EWB310022200303 | COIL | 140 | 104 | LESS | LESS | 84 | 1.00 | 3.25 | 470 | \$2,872 |
| 4EW1.50 | EWB415022200303 | COIL | 210 | 156 | LESS | LESS | 84 | 1.50 | 3.75 | 545 | \$3,410 |
| 5EW1.75 | EWB517522200303 | COIL | 245 | 183 | LESS | LESS | 84.3 | 1.75 | 4 | 630 | \$4,164 |
| 3EW.65 | EWB310021240303 | LESS | 91 | 70 | LESS | TACO ECM | 86.3 | 0.65 | N/A | 470 | \$2,444 |
| 3EW.75 | | | 105 | 80 | LESS | TACO ECM | 85.2 | 0.75 | | | |
| 3EW1.00 | | | 140 | 104 | LESS | TACO ECM | 84 | 1.00 | | | |
| 4EW.90 | EWB415021240303 | LESS | 126 | 97 | LESS | TACO ECM | 86 | 0.90 | N/A | 545 | \$2,979 |
| 4EW1.25 | | | 175 | 131 | LESS | TACO ECM | 85 | 1.25 | | | |
| 4EW1.50 | | | 210 | 156 | LESS | TACO ECM | 84 | 1.50 | | | |
| 5EW1.20 | EWB517521240303 | LESS | 168 | 128 | LESS | TACO ECM | 86.5 | 1.20 | N/A | 630 | \$3,724 |
| 5EW1.75 | | | 245 | 183 | LESS | TACO ECM | 84.3 | 1.75 | | | |
| 3EW.65 | EWB310022240303 | COIL | 91 | 70 | LESS | TACO ECM | 86.3 | 0.65 | 2.9 | 470 | \$2,955 |
| 3EW.75 | | | 105 | 80 | LESS | TACO ECM | 85.2 | 0.75 | 3 | | |
| 3EW1.00 | | | 140 | 104 | LESS | TACO ECM | 84 | 1.00 | 3.25 | | |
| 4EW.90 | EWB415022240303 | COIL | 126 | 97 | LESS | TACO ECM | 86 | 0.90 | 3.15 | 545 | \$3,491 |
| 4EW1.25 | | | 175 | 131 | LESS | TACO ECM | 85 | 1.25 | 3.5 | | |
| 4EW1.50 | | | 210 | 156 | LESS | TACO ECM | 84 | 1.50 | 3.75 | | |
| 5EW1.20 | EWB517522240303 | COIL | 168 | 128 | LESS | TACO ECM | 86.5 | 1.20 | 3.45 | 630 | \$4,245 |
| 5EW1.75 | | | 245 | 183 | LESS | TACO ECM | 84.3 | 1.75 | 4 | | |
| 3EW.65 | EWB310021220303 | LESS | 91 | 70 | LESS | GRUNDFOS | 86.3 | 0.65 | N/A | 470 | \$2,444 |
| 3EW.75 | | | 105 | 80 | LESS | GRUNDFOS | 85.2 | 0.75 | | | |
| 3EW1.00 | | | 140 | 104 | LESS | GRUNDFOS | 84 | 1.00 | | | |
| 4EW.90 | EWB415021220303 | LESS | 126 | 97 | LESS | GRUNDFOS | 86 | 0.90 | N/A | 545 | \$2,979 |
| 4EW1.25 | | | 175 | 131 | LESS | GRUNDFOS | 85 | 1.25 | | | |
| 4EW1.50 | | | 210 | 156 | LESS | GRUNDFOS | 84 | 1.50 | | | |
| 5EW1.20 | EWB517521220303 | LESS | 168 | 128 | LESS | GRUNDFOS | 86.5 | 1.20 | N/A | 630 | \$3,724 |
| 5EW1.75 | | | 245 | 183 | LESS | GRUNDFOS | 84.3 | 1.75 | | | |
| 3EW.65 | EWB310022220303 | COIL | 91 | 70 | LESS | GRUNDFOS | 86.3 | 0.65 | 2.9 | 470 | \$2,955 |
| 3EW.75 | | | 105 | 80 | LESS | GRUNDFOS | 85.2 | 0.75 | 3 | | |
| 3EW1.00 | | | 140 | 104 | LESS | GRUNDFOS | 84 | 1.00 | 3.25 | | |

EMPIRE EW II - Cast-Iron Chimney Vent Oil Boiler (Cont.)

| Model | Item Number | Type* | Input MBH | AHRI Net MBH | Burner | Pump | AFUE % | Firing Rate GPH | Tank-less GPM | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-------|-----------|--------------|------------|----------|--------|-----------------|---------------|---------------|-------------|
| 4EW.90 | EWB415022220303 | COIL | 126 | 97 | LESS | GRUNDFOS | 86 | 0.90 | 3.15 | 545 | \$3,491 |
| 4EW1.25 | | | 175 | 131 | LESS | GRUNDFOS | 85 | 1.25 | 3.5 | | |
| 4EW1.50 | | | 210 | 156 | LESS | GRUNDFOS | 84 | 1.50 | 3.75 | | |
| 5EW1.20 | EWB517522220303 | COIL | 168 | 128 | LESS | GRUNDFOS | 86.5 | 1.20 | 3.45 | 630 | \$4,245 |
| 5EW1.75 | | | 245 | 183 | LESS | GRUNDFOS | 84.3 | 1.75 | 4 | | |
| 3EW.65 | EWB306551240303 | LESS | 91 | 70 | RIELLO F5 | TACO ECM | 86.3 | 0.65 | N/A | 470 | \$3,183 |
| 3EW.75 | EWB307551240303 | LESS | 105 | 80 | RIELLO F5 | TACO ECM | 85.2 | 0.75 | N/A | 470 | \$3,263 |
| 3EW1.00 | EWB310051240303 | LESS | 140 | 104 | RIELLO F5 | TACO ECM | 84 | 1.00 | N/A | 470 | \$3,263 |
| 4EW.90 | EWB409051240303 | LESS | 126 | 97 | RIELLO F5 | TACO ECM | 86 | 0.90 | N/A | 545 | \$3,800 |
| 4EW1.25 | EWB412551240303 | LESS | 175 | 131 | RIELLO F5 | TACO ECM | 85 | 1.25 | N/A | 545 | \$3,800 |
| 4EW1.50 | EWB415051240303 | LESS | 210 | 156 | RIELLO F5 | TACO ECM | 84 | 1.50 | N/A | 545 | \$3,800 |
| 5EW1.20 | EWB512051240303 | LESS | 168 | 128 | RIELLO F10 | TACO ECM | 86.5 | 1.20 | N/A | 630 | \$4,546 |
| 5EW1.75 | EWB517551240303 | LESS | 245 | 183 | RIELLO F10 | TACO ECM | 84.3 | 1.75 | N/A | 630 | \$4,546 |
| 3EW.65 | EWB306552240303 | COIL | 91 | 70 | RIELLO F5 | TACO ECM | 86.3 | 0.65 | 2.90 | 470 | \$3,773 |
| 3EW.75 | EWB307552240303 | COIL | 105 | 80 | RIELLO F5 | TACO ECM | 85.2 | 0.75 | 3.00 | 470 | \$3,773 |
| 3EW1.00 | EWB310052240303 | COIL | 140 | 104 | RIELLO F5 | TACO ECM | 84 | 1.00 | 3.25 | 470 | \$3,773 |
| 4EW.90 | EWB409052240303 | COIL | 126 | 97 | RIELLO F5 | TACO ECM | 86 | 0.90 | 3.15 | 545 | \$4,313 |
| 4EW1.25 | EWB412552240303 | COIL | 175 | 131 | RIELLO F5 | TACO ECM | 85 | 1.25 | 3.50 | 545 | \$4,313 |
| 4EW1.50 | EWB415052240303 | COIL | 210 | 156 | RIELLO F5 | TACO ECM | 84 | 1.50 | 3.75 | 545 | \$4,313 |
| 5EW1.20 | EWB512052240303 | COIL | 168 | 128 | RIELLO F10 | TACO ECM | 86.5 | 1.20 | 3.45 | 630 | \$5,421 |
| 5EW1.75 | EWB517552240303 | COIL | 245 | 183 | RIELLO F10 | TACO ECM | 84.3 | 1.75 | 4.00 | 630 | \$5,421 |
| 3EW.65 | EWB306571240303 | LESS | 91 | 70 | CARLIN EZ1 | TACO ECM | 86.3 | 0.65 | N/A | 470 | \$3,119 |
| 3EW.75 | EWB307571240303 | LESS | 105 | 80 | CARLIN EZ1 | TACO ECM | 85.2 | 0.75 | N/A | 470 | \$3,119 |
| 3EW1.00 | EWB310071240303 | LESS | 140 | 104 | CARLIN EZ1 | TACO ECM | 84 | 1.00 | N/A | 470 | \$3,119 |
| 4EW.90 | EWB409071240303 | LESS | 126 | 97 | CARLIN EZ1 | TACO ECM | 86 | 0.90 | N/A | 545 | \$3,653 |
| 4EW1.25 | EWB412571240303 | LESS | 175 | 131 | CARLIN EZ1 | TACO ECM | 85 | 1.25 | N/A | 545 | \$3,653 |
| 4EW1.50 | EWB415071240303 | LESS | 210 | 156 | CARLIN EZ1 | TACO ECM | 84 | 1.50 | N/A | 545 | \$3,653 |
| 5EW1.20 | EWB512071240303 | LESS | 168 | 128 | CARLIN EZ1 | TACO ECM | 86.5 | 1.20 | N/A | 630 | \$4,400 |
| 5EW1.75 | EWB517571240303 | LESS | 245 | 183 | CARLIN EZ1 | TACO ECM | 84.3 | 1.75 | N/A | 630 | \$4,400 |
| 3EW.65 | EWB306572240303 | COIL | 91 | 70 | CARLIN EZ1 | TACO ECM | 86.3 | 0.65 | 2.90 | 470 | \$3,631 |
| 3EW.75 | EWB307572240303 | COIL | 105 | 80 | CARLIN EZ1 | TACO ECM | 85.2 | 0.75 | 3.00 | 470 | \$3,631 |
| 3EW1.00 | EWB310072240303 | COIL | 140 | 104 | CARLIN EZ1 | TACO ECM | 84 | 1.00 | 3.25 | 470 | \$3,631 |
| 4EW.90 | EWB409072240303 | COIL | 126 | 97 | CARLIN EZ1 | TACO ECM | 86 | 0.90 | 3.15 | 545 | \$4,167 |
| 4EW1.25 | EWB412572240303 | COIL | 175 | 131 | CARLIN EZ1 | TACO ECM | 85 | 1.25 | 3.50 | 545 | \$4,167 |
| 4EW1.50 | EWB415072240303 | COIL | 210 | 156 | CARLIN EZ1 | TACO ECM | 84 | 1.50 | 3.75 | 545 | \$4,167 |
| 5EW1.20 | EWB512072240303 | COIL | 168 | 128 | CARLIN EZ1 | TACO ECM | 86.5 | 1.20 | 3.45 | 630 | \$4,919 |
| 5EW1.75 | EWB517572240303 | COIL | 245 | 183 | CARLIN EZ1 | TACO ECM | 84.3 | 1.75 | 4.00 | 630 | \$4,919 |

EMPIRE EW II - BURNERS

| Model | Item Number | Description | Trade Price |
|--------------|--------------------|-------------------------------------|--------------------|
| EW II | 43300005 | RIELLO BURNER (3 & 4 SECTION)^ | \$701 |
| EW II | 43300010 | RIELLO BURNER (5 SECTION)^ | \$1,212 |
| EW II | 43300003 | CARLIN EZ-1 BURNER (3 & 4 SECTION)^ | \$675 |
| EW II | 43300004 | CARLIN EZ-2 BURNER (5 SECTION)^ | \$675 |
| EW II | 550002986 | BECKETT EW II AFG (3 & 4 SECTION)^ | \$675 |
| EW II | 550002987 | BECKETT EW II AFG (5 SECTION)^ | \$675 |

^BURNER-IN-BOX Requires Additional Purchase of Rerate Kit from List Below

EMPIRE EW II (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|--------------|--------------------|---|--------------------|
| EW II | 550002666 | 3 SECTION BECKETT BURNER RE-RATE KIT, 1.00 GPH | \$76 |
| EW II | 550002676 | 3 SECTION BECKETT BURNER RE-RATE KIT, 0.75 GPH | \$76 |
| EW II | 550002677 | 3 SECTION BECKETT BURNER RE-RATE KIT, 0.65 GPH | \$76 |
| EW II | 550002667 | 4 SECTION BECKETT BURNER RE-RATE KIT, 1.50 GPH | \$76 |
| EW II | 550002675 | 4 SECTION BECKETT BURNER RE-RATE KIT, 1.25 GPH | \$76 |
| EW II | 550002678 | 4 SECTION BECKETT BURNER RE-RATE KIT, 0.90 GPH | \$76 |
| EW II | 550002668 | 5 SECTION BECKETT BURNER RE-RATE KIT, 1.20/1.75 GPH | \$76 |
| EW II | 550002669 | 3 SECTION RIELLO BURNER RE-RATE KIT, 0.65/0.75/1.00 GPH | \$75 |
| EW II | 550002670 | 4 SECTION RIELLO BURNER RE-RATE KIT, .090/1.25/1.50 GPH | \$75 |
| EW II | 550002671 | 5 SECTION RIELLO BURNER RE-RATE KIT, 1.75 GPH | \$64 |
| EW II | 550002672 | 3 SECTION CARLIN BURNER RE-RATE KIT, 0.65/0.75/1.00 GPH | \$70 |
| EW II | 550002673 | 4 SECTION CARLIN BURNER RE-RATE KIT, 0.90/1.25/1.50 GPH | \$70 |
| EW II | 550002674 | 5 SECTION CARLIN BURNER RE-RATE KIT, 1.75 GPH | \$62 |
| EW II | 14624002 | FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| EW II | 14624003 | FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH | \$445 |

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products continue on the following page.**

ESC V Cast-Iron Steam Boilers

- MBH Input 126-294 (CH)
- Up to 82% AFUE
- Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Cast Iron Swing out Burner Door and large flueways allow for easy cleaning and servicing
- Patented Heat Shield (US: 7, 823, 544)
- Honeywell Pressure Control, Boiler Water Level Gauge Glass, and Steam Pressure Gauge
- Electronic Low Water Cutoff (LWCO)
- Atmospheric Chimney Vent Boiler



| Clearances | Combustible Materials ⁽¹⁾ |
|---|--------------------------------------|
| Top | 24" (610 mm) |
| Left | 6" (152 mm) |
| Right | 24" (610 mm) |
| Front | 24" (610 mm) |
| Back | 24" (610 mm) |
| Flue | 9" (230 mm) |
| Floor | Non-Combustible |
| PLEASE NOTE: All installations on a combustible floor require a combustible floor base conforming to the requirements of the authority having jurisdiction. In the absence of such local requirements, installations shall conform to NFPA-31, Standard for the Installation of Oil Burning Equipment. | |
| (1) Required distances measured from boiler. | |

| General Information (See IOM for Complete Instructions) | | | | |
|---|---|----------|----------|----------|
| Model | ESC-3090 | ESC-4125 | ESC-5185 | ESC-6210 |
| Supply Tappings (2) | 2" NPT | | | |
| Return Tapping | 1 1/2" | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Dimensions | Height | 35 3/4" | 35 3/4" | 35 3/4" |
| | Width | 21 7/8" | 21 7/8" | 21 7/8" |
| | Depth | 16 3/8" | 20 1/4" | 23 5/8" |
| Weight | 534 lbs | 688 lbs | 781 lbs | 901 lbs |

ESC V - Cast-Iron Steam Oil Boiler

| Model | Item Number | Type | Input MBH | Htg. Cap. MBH | AHRI Net MBH | AHRI Net Sq. Ft. Steam | Burner | AFUE % | Firing Rate GPH | No. of Sect. | Shp. Wgt. lbs | Trade Price |
|------------|-----------------|------|-----------|---------------|--------------|------------------------|---------|--------|-----------------|--------------|---------------|-------------|
| ESC-3090S | ESC309031100503 | LESS | 126 | 106 | 80 | 333 | BECKETT | 82 | 0.90 | 3 | 534 | \$3,658 |
| ESC-4125S | ESC412531100503 | LESS | 175 | 147 | 110 | 458 | BECKETT | 82 | 1.25 | 4 | 688 | \$4,220 |
| ESC-5185S | ESC518531100503 | LESS | 259 | 216 | 162 | 675 | BECKETT | 82 | 1.85 | 5 | 781 | \$4,577 |
| ESC-6210S | ESC621031100503 | LESS | 294 | 247 | 185 | 771 | BECKETT | 82 | 2.10 | 6 | 901 | \$5,002 |
| ESC-3090ST | ESC309032100503 | COIL | 126 | 106 | 80 | 333 | BECKETT | 82 | 0.90 | 3 | 534 | \$4,097 |
| ESC-4125ST | ESC412532100503 | COIL | 175 | 147 | 110 | 458 | BECKETT | 82 | 1.25 | 4 | 688 | \$4,660 |
| ESC-5185ST | ESC518532100503 | COIL | 259 | 216 | 162 | 675 | BECKETT | 82 | 1.85 | 5 | 781 | \$5,016 |
| ESC-6210ST | ESC621032100503 | COIL | 294 | 247 | 185 | 771 | BECKETT | 82 | 2.10 | 6 | 901 | \$5,443 |
| ESC-3090S | ESC309021100503 | LESS | 126 | 106 | 80 | 333 | LESS | 82 | 0.90 | 3 | 534 | \$2,812 |
| ESC-4125S | ESC412521100503 | LESS | 175 | 147 | 110 | 458 | LESS | 82 | 1.25 | 4 | 688 | \$3,377 |
| ESC-5185S | ESC518521100503 | LESS | 259 | 216 | 162 | 675 | LESS | 82 | 1.85 | 5 | 781 | \$3,762 |
| ESC-6210S | ESC621021100503 | LESS | 294 | 247 | 185 | 771 | LESS | 82 | 2.10 | 6 | 901 | \$4,160 |
| ESC-3090S | ESC309022100503 | COIL | 126 | 106 | 80 | 333 | LESS | 82 | 0.90 | 3 | 534 | \$3,253 |
| ESC-4125S | ESC412522100503 | COIL | 175 | 147 | 110 | 458 | LESS | 82 | 1.25 | 4 | 688 | \$3,817 |
| ESC-5185S | ESC518522100503 | COIL | 259 | 216 | 162 | 675 | LESS | 82 | 1.85 | 5 | 781 | \$4,093 |
| ESC-6210S | ESC621022100503 | COIL | 294 | 247 | 185 | 771 | LESS | 82 | 2.10 | 6 | 901 | \$4,454 |

ESC V (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-----------|-------------|--|-------------|
| ESC-3090S | 550002710 | ESC-3090 BECKETT AFG BURNER IN A BOX KIT | \$931 |
| ESC-4125S | 550002711 | ESC-4125 BECKETT AFG BURNER IN A BOX KIT | \$931 |
| ESC-5185S | 550002712 | ESC-5185 BECKETT AFG BURNER IN A BOX KIT | \$931 |
| ESC-6210S | 550002713 | ESC-6210 BECKETT AFG BURNER IN A BOX KIT | \$931 |
| ESC-3-4 | 240012544 | ESC3-4 CARLIN BURNER IN A BOX KIT | \$934 |
| ESC-5-6 | 240012545 | ESC5-6 CARLIN BURNER IN A BOX KIT | \$945 |

H2O GL Single Coil Glass Lined Indirect Water Heaters

- 31 - 106 Gallon Capacities
- Easy to Install
- Low Pressure Drop
- Magnesium Anode Rod Corrosion Protection
- Enameled Coated Steel Tank and Coil
- Minimal Standby Losses
- Flexible Scratch Resistant Jacket
- Aquastat Sensor Well
- Temperature Pressure Relief Valve



(H2O40GL Model Shown)

| General Information (See IOM for Complete Instructions) | | | | | |
|---|------------------------|---------------------|------------|--------|---------|
| Maximum Working Pressure: 150 psi for all Capacities | | | | | |
| Model | Piping Connections NPT | | Dimensions | | |
| | Domestic Water In/Out | Boiler Water In/Out | Diameter | Height | Weight |
| H2O 30 GL | 1" | 1" | 24" | 33" | 119 lbs |
| H2O 40 GL | 1" | 1" | 24" | 45" | 180 lbs |
| H2O 50 GL | 1" | 1" | 24" | 51" | 200 lbs |
| H2O 80 GL | 1" | 1" | 30" | 48" | 243 lbs |
| H2O 105 GL | 1" | 1" | 30" | 62" | 393 lbs |

H2O GL - Single Coil Glass Lined Indirect Water Heaters

| Model | Item Number | Storage Capacity gal | Type | Max. First Hour Rating gal/hr @ 115° F | Continuous Rating gal/hr @ 115° F | Boiler Output Req. BTU/hr | Shp. Wgt. lbs | Trade Price |
|------------|-------------|----------------------|-------------|--|-----------------------------------|---------------------------|---------------|-------------|
| H2O 30 GL | H2OIG30DK | 31 | GLASS LINED | 155 | 124 | 100,000 | 119 | \$1,074 |
| H2O 40 GL | H2OIG40DK | 42 | GLASS LINED | 256 | 220 | 120,000 | 180 | \$1,105 |
| H2O 50 GL | H2OIG50DK | 53 | GLASS LINED | 310 | 268 | 140,000 | 200 | \$1,259 |
| H2O 80 GL | H2OIG80DK | 79 | GLASS LINED | 346 | 281 | 180,000 | 243 | \$1,746 |
| H2O 105 GL | H2OIG105DK | 106 | GLASS LINED | 440 | 345 | 220,000 | 393 | \$2,732 |

H2O GL (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-------------|-------------|--|-------------|
| 30-105 GAL. | 240010926 | T & P VALVE 3/4, 100XL-8 | \$47 |
| 30-105 GAL. | AQ-020.01 | AQUASTAT WELL | \$32 |
| 30-105 GAL. | 240009521 | AQUASTAT L4080B1352 | \$130 |
| 30-50 GAL. | 240012211 | PLASTIC TOP CAP | \$26 |
| 80-105 GAL. | 240012239 | PLASTIC TOP CAP | \$36 |
| 40-105 GAL. | 240012212 | PLASTIC FRONT CAP | \$8 |
| 30 GAL. | 550003640 | ANODE KIT MAGNESIUM (INCLUDES ANODE, GASKET & BUSHING) | \$34 |
| 40-50 GAL. | 550003505 | ANODE KIT MAGNESIUM (INCLUDES ANODE, GASKET & BUSHING) | \$34 |
| 80-105 GAL. | 550003527 | ANODE KIT MAGNESIUM (INCLUDES ANODE, GASKET & BUSHING) | \$66 |
| 30 GAL. | 550003693 | ANODE KIT ALUMINUM (INCLUDES ANODE, GASKET & BUSHING) | \$33 |
| 40-50 GAL. | 550003694 | ANODE KIT ALUMINUM (INCLUDES ANODE, GASKET & BUSHING) | \$34 |
| 80-105 GAL. | 550003695 | ANODE KIT ALUMINUM (INCLUDES ANODE, GASKET & BUSHING) | \$66 |
| 30-50 GAL. | 240012250 | FLANGE CAP | \$36 |
| 80-105 GAL. | 240012251 | FLANGE CAP | \$13 |
| 30-50 GAL. | 240012210 | FLANGE GASKET | \$2 |
| 80-105 GAL. | 240012238 | FLANGE GASKET | \$4 |
| 40-50 GAL. | 550003510 | HARDWARE KIT (INCLUDES BOLTS & NUTS FOR FLANGE CAP) | \$4 |
| 80-105 GAL. | 550003525 | HARDWARE KIT (INCLUDES BOLTS & NUTS FOR FLANGE CAP) | \$4 |
| H2O 30 GL | 240012474 | OUTSIDE TANK COVER | \$96 |
| H2O 40 GL | 240012329 | OUTSIDE TANK COVER | \$97 |
| H2O 50 GL | 240012330 | OUTSIDE TANK COVER | \$104 |
| H2O 80 GL | 240012331 | OUTSIDE TANK COVER | \$113 |
| H2O 105 GL | 240012332 | OUTSIDE TANK COVER | \$127 |
| 30-50 GAL. | 240012483 | TEMPERATURE GAUGE | \$14 |
| 80-105 GAL. | 240012484 | TEMPERATURE GAUGE | \$21 |

H2O SC Single Coil Stainless Steel Indirect Water Heaters

- 30-115 Gallon Capacities
- 316L Stainless Steel Construction
- Top Connections (For Easy Install)
- Stainless Steel Dip Tube
- Thermoplastic Jacket
- Low Pressure Drop
- T & P Valve, Stainless Steel Aquastat Well and Drain Valve
- 2.25" EPS Insulation
- Large Diameter, Smooth Coil Heat Exchangers - Prevent Buildup
- Honeywell L4080B Aquastat



H2O

I

Indirect

30

Capacity:
 30=30 gals
 40=40 gals
 50=50 gals
 60=60 gals
 80=80 gals
 85=87 gals
 115=115 gals

L

Type:
 L=Lowboy
 HO=High Output
 HOC=High Output
 Commercial
 XHO=Extra High
 Output

DK

DK=Dunkirk

General Information (See IOM for Complete Instructions)

Maximum Working Pressure: 150 psi for all Capacities

| Model | Piping Connections NPT | | Dimensions | | |
|--|------------------------|---------------------|------------|--------|---------|
| | Domestic Water In/Out | Boiler Water In/Out | Diameter | Height | Weight |
| H2OI30DK | 3/4" | 1" | 23 1/2" | 34" | 85 lbs |
| H2OI40DK | 3/4" | 1" | 23 1/2" | 44" | 100 lbs |
| H2OI40LDK | 3/4" | 1" | 28" | 36" | 100 lbs |
| H2OI50DK | 3/4" | 1" | 23 1/2" | 54" | 110 lbs |
| H2OI60DK | 3/4" | 1" | 23 1/2" | 62" | 125 lbs |
| H2OI60LDK | 3/4" | 1" | 28" | 46" | 120 lbs |
| H2OI80DK | 1" | 1" | 28" | 56" | 140 lbs |
| H2OI115DK | 1" | 1" | 28" | 74" | 175 lbs |
| High Output Units | | | | | |
| H2OI60HODK | 1" | 1" | 23 1/2" | 62" | 145 lbs |
| H2OI80HODK | 1" | 1" | 28" | 56" | 155 lbs |
| H2OI80HOC DK | 1 1/2" | 1 1/4" | 28" | 56" | 155 lbs |
| H2OI115HODK | 1" | 1" | 28" | 74" | 190 lbs |
| H2OI115HOC DK | 1 1/2" | 1 1/4" | 28" | 74" | 190 lbs |
| Extra High Output Units 85XHO and 115XHO | | | | | |
| H2OI85XHOC DK | 1 1/2" | 1 1/2" | 28" | 64" | 215 lbs |
| H2OI115XHOC DK | 1 1/2" | 1 1/2" | 28" | 74" | 240 lbs |

H2O SC - Single Coil Stainless Steel Indirect Water Heaters

| Item Number | Storage Capacity gal | Type | Max. First Hour Rating gal/hr @ | | Boiler Output Req. BTU/hr | Shp. Wgt. lbs | Trade Price |
|---------------|----------------------|------------------------|---------------------------------|--------|---------------------------|---------------|-------------|
| | | | 140° F | 115° F | | | |
| H2OI30DK | 30 | STANDARD | 202 | 269 | 131,250 | 85 | \$1,426 |
| H2OI40DK | 40 | STANDARD | 221 | 292 | 138,670 | 100 | \$1,467 |
| H2OI40LDK | 42 | LOWBOY | 212 | 251 | 132,000 | 100 | \$1,563 |
| H2OI50DK | 50 | STANDARD | 223 | 291 | 133,280 | 110 | \$1,771 |
| H2OI60DK | 60 | STANDARD | 262 | 342 | 155,700 | 125 | \$2,119 |
| H2OI60LDK | 60 | LOWBOY | 239 | 310 | 138,570 | 120 | \$2,179 |
| H2OI80DK | 80 | STANDARD | 271 | 248 | 149,390 | 140 | \$2,347 |
| H2OI115DK | 115 | STANDARD | 324 | 409 | 165,750 | 175 | \$3,485 |
| H2OI60HODK | 60 | HIGH OUTPUT | 406 | 541 | 263,600 | 145 | \$2,285 |
| H2OI80HODK | 80 | HIGH OUTPUT | 418 | 551 | 259,640 | 155 | \$3,175 |
| H2OI80HOCDK | 80 | HIGH OUTPUT COMMERICAL | 442 | 584 | 227,070 | 155 | \$3,428 |
| H2OI115HODK | 115 | HIGH OUTPUT | 467 | 607 | 273,100 | 190 | \$4,295 |
| H2OI115HOCDK | 115 | HIGH OUTPUT COMMERICAL | 479 | 623 | 281,300 | 190 | \$4,546 |
| H2OI85XHOCDK | 87 | EXTRA HIGH OUTPUT | 738 | 992 | 495,000 | 215 | \$4,267 |
| H2OI115XHOCDK | 115 | EXTRA HIGH OUTPUT | 763 | 1017 | 495,000 | 240 | \$5,064 |

H2O DC Single & Dual Coil Stainless Steel Solar Water Heaters

- 60-115 Gallon Capacities
- 316L Stainless Steel Construction
- Top Connections (For Easy Install)
- Stainless Steel Dip Tube
- Thermoplastic Jacket
- Low Pressure Drop
- T & P Valve, Stainless Steel Aquastat Well and Drain Valve
- 2.25" EPS Insulation
- Large Diameter, Smooth Coil Heat Exchangers - Prevent Buildup
- Honeywell L4080B Aquastat



H2O

I

Indirect

60

Capacity:
 60=60 gals
 80=80 gals
 115=115 gals

D

D=Dual Coil

E

E=Electric Backup
 (3500 Watts)

DK

DK=Dunkirk

| General Information (See IOM for Complete Instructions) | | | | |
|---|------------------------|------------|--------|---------|
| Maximum Working Pressure: 150 psi for all Capacities | | | | |
| Model | Piping Connections NPT | Dimensions | | |
| | | Diameter | Height | Weight |
| H2OI60EDK | 1" | 23" | 62" | 135 lbs |
| H2OI80EDK | 1" | 28" | 56" | 145 lbs |
| H2OI115EDK | 1" | 28" | 74" | 180 lbs |
| H2OI60DDK | 1" | 23" | 62" | 165 lbs |
| H2OI80DDK | 1" | 28" | 56" | 175 lbs |
| H2OI115DDK | 1" | 28" | 74" | 205 lbs |
| H2OI60DEDK | 1" | 23" | 62" | 175 lbs |
| H2OI80DEDK | 1" | 28" | 56" | 185 lbs |
| H2OI115DEDK | 1" | 28" | 74" | 215 lbs |

H2O DC - Single & Dual Coil Stainless Steel Solar Water Heaters

| Item Number | Storage Capacity gal | Type | Recovery Rate gal/hr | | Ship Wgt. lbs | Trade Price |
|-------------|----------------------|------------------|----------------------|-------------|---------------|-------------|
| | | | Top Coil | Bottom Coil | | |
| H2OI60EDK | 60 | ELECTRIC BACK-UP | N/A | 214 | 135 | \$2,719 |
| H2OI80EDK | 80 | ELECTRIC BACK-UP | N/A | 214 | 145 | \$3,044 |
| H2OI115EDK | 115 | ELECTRIC BACK-UP | N/A | 214 | 180 | \$4,115 |
| H2OI60DDK | 60 | INDIRECT | 185 | 214 | 165 | \$2,810 |
| H2OI80DDK | 80 | INDIRECT | 180 | 214 | 175 | \$3,200 |
| H2OI115DDK | 115 | INDIRECT | 190 | 214 | 205 | \$4,097 |
| H2OI60DEDK | 60 | ELECTRIC BACK-UP | 185 | 214 | 175 | \$3,798 |
| H2OI80DEDK | 80 | ELECTRIC BACK-UP | 180 | 214 | 185 | \$4,289 |
| H2OI115DEDK | 115 | ELECTRIC BACK-UP | 190 | 214 | 215 | \$5,381 |

H2O BT Stainless Steel Buffer Tanks, w/ and w/o Coil

- 22-115 Gallon Capacities
- 316L Stainless Steel Construction
- Top Connections (For Easy Installation)
- Thermoplastic Jacket
- Low Pressure Drop
- T & P Valve, Stainless Steel Aquastat Well and Drain Valve
- 2.25" EPS Insulation



H2O

BT
 BT=Buffer Tank

40
 Capacity:
 22=22 gals
 40=40 gals
 60=60 gals
 80=80 gals

114
 Connection:
 114=1 1/4" NPT
 112=1 1/2" NPT
 2=2" NPT

WC
 WC=With Coil

DK
 DK=Dunkirk

General Information (See IOM for Complete Instructions)

Maximum Working Pressure: 150 psi for all Capacities

| Model | Piping Connections NPT | Dimensions | | |
|-----------------|------------------------|------------|---------|---------|
| | | Diameter | Height | Weight |
| H2OBT22114DK | 1 1/4" | 22 1/2" | 24 1/2" | 35 lbs |
| H2OBT40114DK | 1 1/4" | 22 1/2" | 42" | 87 lbs |
| H2OBT40112DK | 1 1/2" | 22 1/2" | 42" | 87 lbs |
| H2OBT402DK | 2" | 22 1/2" | 42" | 87 lbs |
| H2OBT60114DK | 1 1/4" | 26 1/2" | 44" | 115 lbs |
| H2OBT60112DK | 1 1/2" | 26 1/2" | 44" | 115 lbs |
| H2OBT602DK | 2" | 26 1/2" | 44" | 115 lbs |
| H2OBT80114DK | 1 1/4" | 26 1/2" | 54" | 125 lbs |
| H2OBT80112DK | 1 1/2" | 26 1/2" | 54" | 125 lbs |
| H2OBT802DK | 2" | 26 1/2" | 54" | 125 lbs |
| H2OBT115114DK | 1 1/4" | 26 1/2" | 72" | 160 lbs |
| H2OBT115112DK | 1 1/2" | 26 1/2" | 72" | 160 lbs |
| H2OBT1152DK | 2" | 26 1/2" | 72" | 160 lbs |
| H2OBT40114WCDK | 1 1/4" | 22 1/2" | 42" | 97 lbs |
| H2OBT40112WCDK | 1 1/2" | 22 1/2" | 42" | 97 lbs |
| H2OBT402WCDK | 2" | 22 1/2" | 42" | 97 lbs |
| H2OBT60114WCDK | 1 1/4" | 26 1/2" | 44" | 125 lbs |
| H2OBT60112WCDK | 1 1/2" | 26 1/2" | 44" | 125 lbs |
| H2OBT602WCDK | 2" | 26 1/2" | 44" | 125 lbs |
| H2OBT80114WCDK | 1 1/4" | 26 1/2" | 54" | 135 lbs |
| H2OBT80112WCDK | 1 1/2" | 26 1/2" | 54" | 135 lbs |
| H2OBT802WCDK | 2" | 26 1/2" | 54" | 135 lbs |
| H2OBT115114WCDK | 1 1/4" | 26 1/2" | 72" | 170 lbs |
| H2OBT115112WCDK | 1 1/2" | 26 1/2" | 72" | 170 lbs |
| H2OBT1152WCDK | 2" | 26 1/2" | 72" | 170 lbs |

H2O BT - Stainless Steel Buffer Tanks (With & Without Coil)

| Item Number | Storage Capacity gal | Type | Shp. Wgt. lbs | Trade Price |
|-----------------|----------------------|-----------------------------------|---------------|-------------|
| H2OBT22114DK | 22 | HYDRONIC BUFFER TANK | 35 | \$1,269 |
| H2OBT40114DK | 40 | HYDRONIC BUFFER TANK | 87 | \$2,221 |
| H2OBT40112DK | 40 | HYDRONIC BUFFER TANK | 87 | \$2,221 |
| H2OBT402DK | 40 | HYDRONIC BUFFER TANK | 87 | \$2,221 |
| H2OBT60114DK | 60 | HYDRONIC BUFFER TANK | 115 | \$2,645 |
| H2OBT60112DK | 60 | HYDRONIC BUFFER TANK | 115 | \$2,645 |
| H2OBT602DK | 60 | HYDRONIC BUFFER TANK | 115 | \$2,645 |
| H2OBT80114DK | 80 | HYDRONIC BUFFER TANK | 125 | \$2,918 |
| H2OBT80112DK | 80 | HYDRONIC BUFFER TANK | 125 | \$2,918 |
| H2OBT802DK | 80 | HYDRONIC BUFFER TANK | 125 | \$2,918 |
| H2OBT115114DK | 115 | HYDRONIC BUFFER TANK | 160 | \$3,633 |
| H2OBT115112DK | 115 | HYDRONIC BUFFER TANK | 160 | \$3,633 |
| H2OBT1152DK | 115 | HYDRONIC BUFFER TANK | 160 | \$3,633 |
| H2OBT40114WCDK | 40 | HYDRONIC BUFFER TANKS (WITH COIL) | 97 | \$2,847 |
| H2OBT40112WCDK | 40 | HYDRONIC BUFFER TANKS (WITH COIL) | 97 | \$2,847 |
| H2OBT402WCDK | 40 | HYDRONIC BUFFER TANKS (WITH COIL) | 97 | \$2,847 |
| H2OBT60114WCDK | 60 | HYDRONIC BUFFER TANKS (WITH COIL) | 125 | \$3,026 |
| H2OBT60112WCDK | 60 | HYDRONIC BUFFER TANKS (WITH COIL) | 125 | \$3,026 |
| H2OBT602WCDK | 60 | HYDRONIC BUFFER TANKS (WITH COIL) | 125 | \$3,026 |
| H2OBT80114WCDK | 80 | HYDRONIC BUFFER TANKS (WITH COIL) | 135 | \$3,610 |
| H2OBT80112WCDK | 80 | HYDRONIC BUFFER TANKS (WITH COIL) | 135 | \$3,610 |
| H2OBT802WCDK | 80 | HYDRONIC BUFFER TANKS (WITH COIL) | 135 | \$3,610 |
| H2OBT115114WCDK | 115 | HYDRONIC BUFFER TANKS (WITH COIL) | 170 | \$4,394 |
| H2OBT115112WCDK | 115 | HYDRONIC BUFFER TANKS (WITH COIL) | 170 | \$4,394 |
| H2OBT1152WCDK | 115 | HYDRONIC BUFFER TANKS (WITH COIL) | 170 | \$4,394 |

H2O ST Stainless Steel Storage Tanks

- 30-115 Gallon Capacities
- 316L Stainless Steel Construction
- Top Connections (For Easy Installation)
- Stainless Steel Dip Tube -Thermoplastic Jacket
- Low Pressure Drop
- T & P Valve, Stainless Steel Aquastat Well and Drain Valve
- 2.25" EPS Insulation
- Honeywell L4080B



H2O **ST** **30** **L** **DK**

ST=Storage Capacity: 30=30 gals, 40=40 gals, 60=60 gals, 80=80 gals, 115=115 gals Type: L=Lowboy, C=Commercial DK=Dunkirk

| General Information (See IOM for Complete Instructions) | | | | | |
|---|------------------------|----------------------|------------|--------|---------|
| Maximum Working Pressure: 150 psi for all Capacities | | | | | |
| Model | Piping Connections NPT | | Dimensions | | |
| | Return/Supply | Heat Source Pressure | Diameter | Height | Weight |
| H2OST30DK | 1" | 1" | 23 1/2" | 34" | 75 lbs |
| H2OST40DK | 1" | 1" | 23 1/2" | 44" | 90 lbs |
| H2OST60DK | 1" | 1" | 23 1/2" | 62" | 115 lbs |
| H2OST60LDK | 1" | 1" | 23 1/2" | 46" | 110 lbs |
| H2OST80DK | 1" | 1" | 28" | 56" | 140 lbs |
| H2OST115DK | 1" | 1" | 28" | 74" | 175 lbs |
| H2OST80CDK | 1 1/2" | 1" | 28" | 56" | 140 lbs |
| H2OST115CDK | 1 1/2" | 1" | 28" | 74" | 175 lbs |

H2O ST - Stainless Steel Storage Tanks (No Coil)

| Item Number | Storage Capacity gal | Type | Shp. Wgt. lbs | Trade Price |
|--------------------|---------------------------------|-------------------------|--------------------------|--------------------|
| H2OST30DK | 30 | STANDARD STORAGE TANK | 75 | \$1,267 |
| H2OST40DK | 40 | STANDARD STORAGE TANK | 90 | \$1,309 |
| H2OST60DK | 60 | STANDARD STORAGE TANK | 115 | \$1,908 |
| H2OST60LDK | 60 | LOWBOY STORAGE TANK | 110 | \$1,969 |
| H2OST80DK | 80 | STANDARD STORAGE TANK | 140 | \$2,168 |
| H2OST80CDK | 80 | COMMERCIAL STORAGE TANK | 175 | \$3,122 |
| H2OST115DK | 115 | STANDARD STORAGE TANK | 140 | \$2,385 |
| H2OST115CDK | 115 | COMMERCIAL STORAGE TANK | 175 | \$3,341 |

TERMS & CONDITIONS OF SALE - GENERAL TERMS

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

ORDERS: Orders will be accepted based on 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.

SHIPMENTS

TRUCKLOADS: \$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, Utica Boilers and Utica Heating 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

SALES ORDER INFORMATION CHECK LIST

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

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

Send orders to:

E-mail: ecrorderentry@ecrinternational.com

Fax: (315) 724-9319

Please note the following Remit to Address:

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

U.S. DISTRIBUTOR - RETURN MATERIAL POLICY

Prior Approval Required - All returns for exchange, credit, repair service or warranty claim must be approved by ECR International and require an RMA number prior to return of the material. A request must be completed via the online web portal. Please log on to www.ecrcustomerportal.com to complete your request for return. If you do not already have access to the customer web portal, please contact ECR International 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 International 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 International'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 International'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 Parts - Once the RMA number is issued, the product must be returned within 60 days of the RMA date, or the RMA will be canceled. Products approved for return that are received after 60 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.

Returning Installed Finished Goods (Complete boilers, furnaces, A/C units etc.)

- Equipment that is already installed should be repaired not replaced. Exceptions: leaking cast iron boilers in their first year or leaking water tanks. Leaking drain valves on water tanks are replaceable, make sure the leak is not on the valve. Tanks returned with the only leak being on the valve will be denied.
- Cast iron blocks (not complete boilers) older than one year and Indirect tanks that are leaking do not require prior approval. Simply type "Leaking" into the Authorization field and it will be accepted. Complete Cast iron boilers within their first year will still require prior authorization for full boiler replacement.
- Water leaks on copper and condensing boilers are repairable and will require prior authorization for any reason for removal.
- To guarantee credit, if a situation arises where equipment does need to be replaced, **prior authorization** from ECR is required. This will ensure that ECR has visibility to the problem and has had an opportunity to correct it prior to removal. *All equipment considered for removal should first be brought to the attention of Technical Support at 1-800-253-7900.*
- If approved, an authorization number will be given that will need to be entered in the RMA on the Customer Portal.
- For equipment that is removed from service without prior authorization by ECR, contact Customer Service. They will evaluate the circumstance and can issue a conditional RMA. The equipment will be tested in our lab to determine if removal was warranted and if credit will be given.

RMA Expiration Equipment - Once the RMA number is issued, the product must be returned within 30 days of the RMA date, or the RMA will be canceled. Products approved for return that are received after 30 days from the RMA date will not be accepted.



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All specifications subject to change without notice.
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