



US Trade Price Book - 2020

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Table of Contents

| | | |
|---|---|---------------------|
| <u>Condensing Natural / LP Boilers</u> | | <u>4-5</u> |
| P90 | Cast-Aluminum Floor Standing Heating Boilers (50-100 MBH) | 4 |
| <u>Natural / LP Boilers</u> | | <u>6-15</u> |
| 15B | Cast-Iron Chimney Vented Boilers (50-299 MBH) | 6 |
| FSB | Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers (42-225 MBH) | 10 |
| 16 | Cast-Iron Steam Boilers (75-299 MBH) | 12 |
| 41K | Cast-Iron Commercial Steam Boilers (300-1,5000 MBH) | 14 |
| <u>Oil Boilers</u> | | <u>16-19</u> |
| KW | Cast-Iron Chimney Vented Boilers (105-245 MBH) | 16 |
| KSC | Cast-Iron Steam Boilers (126-294 MBH) | 18 |
| <u>Indirect Tanks</u> | | <u>20-21</u> |
| H2O GL | Single Coil Glass Lined Indirect Water Heaters (31-106 GALS) | 20 |
| <u>Terms & RMA Policy</u> | | <u>22-23</u> |

P90 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 | P90-050 | P90-075 | P90-100 |
| 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 | | |





P90-100 - Cast-Aluminum Floor Standing Heating Boilers

| Model | Item Number | Input MBH | AHRI Net MBH | Fuel | AFUE% | Pump | Shp. Wgt. Lbs | Flue Dia. | Trade Price |
|---------|-----------------|-----------|--------------|------|-------|----------|---------------|-----------|-------------|
| P90-50 | Q90205003200407 | 50 | 39 | NAT | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-75 | Q90207503200407 | 75 | 59 | NAT | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-100 | Q90210003200407 | 100 | 78 | NAT | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-50 | Q90205003210407 | 50 | 39 | NAT | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-75 | Q90207503210407 | 75 | 59 | NAT | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-100 | Q90210003210407 | 100 | 78 | NAT | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-50 | Q90205003220407 | 50 | 39 | NAT | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |
| P90-75 | Q90207503220407 | 75 | 59 | NAT | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |
| P90-100 | Q90210003220407 | 100 | 78 | NAT | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |
| P90-50 | Q90205013200407 | 50 | 39 | LP | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-75 | Q90207513200407 | 75 | 59 | LP | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-100 | Q90210013200407 | 100 | 78 | LP | 90 | LESS | 256 | 2" or 3" | \$3,342 |
| P90-50 | Q90205013210407 | 50 | 39 | LP | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-75 | Q90207513210407 | 75 | 59 | LP | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-100 | Q90210013210407 | 100 | 78 | LP | 90 | TACO | 256 | 2" or 3" | \$3,410 |
| P90-50 | Q90205013220407 | 50 | 39 | LP | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |
| P90-75 | Q90207513220407 | 75 | 59 | LP | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |
| P90-100 | Q90210013220407 | 100 | 78 | LP | 90 | GRUNDFOS | 256 | 2" or 3" | \$3,410 |

P90-100 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|---------|-------------|---|-------------|
| P90-100 | 29571 | CONCENTRIC VENT KIT 3" | \$240 |
| P90-100 | 29570 | CONCENTRIC VENT KIT 2" | \$240 |
| P90-50 | 550002631 | CONVERSION KIT NAT. TO LP P90-50 (Series IV) 0' - 10,000' | \$83 |
| P90-75 | 550002629 | CONVERSION KIT NAT. TO LP P90-75 (Series IV) 5,000' - 10,000' | \$83 |
| P90-75 | 550002630 | CONVERSION KIT NAT. TO LP P90-75 (Series IV) 0' - 5,000' | \$83 |
| P90-100 | 550002700 | CONVERSION KIT NAT. TO LP P90-100 (Series IV) 0' - 10,000' | \$83 |
| P90-50 | 550002635 | CONVERSION KIT LP TO NAT. P90-50 (Series IV) 0' - 10,000' | \$83 |
| P90-75 | 550002634 | CONVERSION KIT LP TO NAT. P90-75 (Series IV) 0' - 10,000' | \$83 |
| P90-100 | 550002701 | CONVERSION KIT LP TO NAT. P90-100 (Series IV) 0' - 10,000' | \$83 |
| P90-100 | 14624002 | FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| P90-100 | 14624003 | FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH | \$445 |

P90-100 Venting (Use Parts Multiplier for All of the Following)

| Image | Item Number | Description | Trade Price |
|---|-------------|--------------------------|-------------|
|  | 14631702 | 2" CPVC 45° ELBOW | \$42 |
|  | 240009663 | 2" CPVC 90° ELBOW | \$29 |
|  | 240006819 | 2" CPVC TEE, SCHEDULE 80 | \$40 |
|  | 240006822 | 2" CPVC COUPLING | \$26 |

15B Cast-Iron Chimney Vented Boilers

- MBH Input 45-295 (CH)
- 82% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Honeywell Control
- Digital temperature display and diagnostics
- Built-In 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.
- Low Profile draft hood diverter



| Clearances | Combustible Materials ⁽¹⁾ |
|----------------------|--------------------------------------|
| | 15B Series |
| 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) |
| Near Boiler Piping | Per Local Code |

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 | 15B045FE | 15B070FE | 15B096FE | 15B120FE | 15B145FE | 15B170FE | 15B195FE | 15B245FE | 15B295FE |
| Water Return/Supply | 1 1/4" 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) | 2.4 | 4 | 4 | 5.6 | 5.6 | 7.2 | 7.2 | 8.8 | 10.4 |
| Height | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" | 36 5/16" |
| Width | 11 1/4" | 15 1/8" | 15 1/8" | 19" | 19" | 22 7/8" | 22 7/8" | 26 3/4" | 50 5/8" |
| Depth | 27 1/8" | 28 1/8" | 28 1/8" | 29 1/8" | 29 1/8" | 30 1/8" | 30 1/8" | 31 1/8" | 32 1/8" |
| Weight | 255 | 305 | 310 | 355 | 360 | 420 | 425 | 495 | 555 |

15B - Cast-Iron Chimney Vented Boilers

| Model | Item Number | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Fuel | Pump | AFUE % | Shp. Wgt. lbs | No. of Brns. | Trade Price |
|----------|-----------------|-----------|---------------|--------------|------|----------|--------|---------------|--------------|-------------|
| 15B045FE | 15B204503700207 | 45 | 37 | 32 | NAT | LESS | 82 | 255 | 1 | \$1,922 |
| 15B070FE | 15B307003700207 | 70 | 57 | 50 | NAT | LESS | 82 | 305 | 2 | \$2,057 |
| 15B096FE | 15B309603700207 | 96 | 79 | 69 | NAT | LESS | 82 | 310 | 2 | \$2,173 |
| 15B120FE | 15B412003700207 | 120 | 98 | 85 | NAT | LESS | 82 | 355 | 3 | \$2,399 |
| 15B145FE | 15B414503700207 | 145 | 119 | 103 | NAT | LESS | 82 | 360 | 3 | \$2,553 |
| 15B170FE | 15B517003700207 | 170 | 140 | 122 | NAT | LESS | 82 | 420 | 4 | \$2,878 |
| 15B195FE | 15B519503700207 | 195 | 160 | 139 | NAT | LESS | 82 | 425 | 4 | \$3,202 |
| 15B245FE | 15B624503700207 | 245 | 201 | 174 | NAT | LESS | 82 | 495 | 5 | \$3,501 |
| 15B295FE | 15B729503700207 | 295 | 242 | 210 | NAT | LESS | 82 | 555 | 6 | \$3,740 |
| 15B045FE | 15B204503710207 | 45 | 37 | 32 | NAT | TACO | 82 | 255 | 1 | \$1,997 |
| 15B070FE | 15B307003710207 | 70 | 57 | 50 | NAT | TACO | 82 | 305 | 2 | \$2,131 |
| 15B096FE | 15B309603710207 | 96 | 79 | 69 | NAT | TACO | 82 | 310 | 2 | \$2,250 |
| 15B120FE | 15B412003710207 | 120 | 98 | 85 | NAT | TACO | 82 | 355 | 3 | \$2,474 |
| 15B145FE | 15B414503710207 | 145 | 119 | 103 | NAT | TACO | 82 | 360 | 3 | \$2,629 |
| 15B170FE | 15B517003710207 | 170 | 140 | 122 | NAT | TACO | 82 | 420 | 4 | \$2,955 |
| 15B195FE | 15B519503710207 | 195 | 160 | 139 | NAT | TACO | 82 | 425 | 4 | \$3,275 |
| 15B245FE | 15B624503710207 | 245 | 201 | 174 | NAT | TACO | 82 | 495 | 5 | \$3,577 |
| 15B295FE | 15B729503710207 | 295 | 242 | 210 | NAT | TACO | 82 | 555 | 6 | \$3,815 |
| 15B045FE | 15B204503720207 | 45 | 37 | 32 | NAT | GRUNDFOS | 82 | 255 | 1 | \$1,997 |
| 15B070FE | 15B307003720207 | 70 | 57 | 50 | NAT | GRUNDFOS | 82 | 305 | 2 | \$2,131 |
| 15B096FE | 15B309603720207 | 96 | 79 | 69 | NAT | GRUNDFOS | 82 | 310 | 2 | \$2,250 |
| 15B120FE | 15B412003720207 | 120 | 98 | 85 | NAT | GRUNDFOS | 82 | 355 | 3 | \$2,474 |
| 15B145FE | 15B414503720207 | 145 | 119 | 103 | NAT | GRUNDFOS | 82 | 360 | 3 | \$2,629 |
| 15B170FE | 15B517003720207 | 170 | 140 | 122 | NAT | GRUNDFOS | 82 | 420 | 4 | \$2,955 |
| 15B195FE | 15B519503720207 | 195 | 160 | 139 | NAT | GRUNDFOS | 82 | 425 | 4 | \$3,275 |
| 15B245FE | 15B624503720207 | 245 | 201 | 174 | NAT | GRUNDFOS | 82 | 495 | 5 | \$3,577 |
| 15B295FE | 15B729503720207 | 295 | 242 | 210 | NAT | GRUNDFOS | 82 | 555 | 6 | \$3,815 |
| 15B045FE | 15B204513700207 | 45 | 37 | 32 | LP | LESS | 82 | 255 | 1 | \$1,976 |
| 15B070FE | 15B307013700207 | 70 | 57 | 50 | LP | LESS | 82 | 305 | 2 | \$2,108 |
| 15B096FE | 15B309613700207 | 96 | 79 | 69 | LP | LESS | 82 | 310 | 2 | \$2,227 |
| 15B120FE | 15B412013700207 | 120 | 98 | 85 | LP | LESS | 82 | 355 | 3 | \$2,451 |
| 15B145FE | 15B414513700207 | 145 | 119 | 103 | LP | LESS | 82 | 360 | 3 | \$2,606 |
| 15B170FE | 15B517013700207 | 170 | 140 | 122 | LP | LESS | 82 | 420 | 4 | \$2,931 |
| 15B195FE | 15B519513700207 | 195 | 160 | 139 | LP | LESS | 82 | 425 | 4 | \$3,253 |
| 15B245FE | 15B624513700207 | 245 | 201 | 174 | LP | LESS | 82 | 495 | 5 | \$3,555 |
| 15B295FE | 15B729513700207 | 295 | 242 | 210 | LP | LESS | 82 | 555 | 6 | \$3,791 |
| 15B045FE | 15B204513710207 | 45 | 37 | 32 | LP | TACO | 82 | 255 | 1 | \$2,050 |
| 15B070FE | 15B307013710207 | 70 | 57 | 50 | LP | TACO | 82 | 305 | 2 | \$2,184 |
| 15B096FE | 15B309613710207 | 96 | 79 | 69 | LP | TACO | 82 | 310 | 2 | \$2,301 |
| 15B120FE | 15B412013710207 | 120 | 98 | 85 | LP | TACO | 82 | 355 | 3 | \$2,527 |
| 15B145FE | 15B414513710207 | 145 | 119 | 103 | LP | TACO | 82 | 360 | 3 | \$2,682 |
| 15B170FE | 15B517013710207 | 170 | 140 | 122 | LP | TACO | 82 | 420 | 4 | \$3,007 |
| 15B195FE | 15B519513710207 | 195 | 160 | 139 | LP | TACO | 82 | 425 | 4 | \$3,328 |
| 15B245FE | 15B624513710207 | 245 | 201 | 174 | LP | TACO | 82 | 495 | 5 | \$3,631 |
| 15B295FE | 15B729513710207 | 295 | 242 | 210 | LP | TACO | 82 | 555 | 6 | \$3,867 |

15B - Cast-Iron Chimney Vented Boilers (Cont.)

| Model | Item Number | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Fuel | Pump | AFUE % | Shp. Wgt. lbs | No. of Brns. | Trade Price |
|----------|-----------------|-----------|---------------|--------------|------|----------|--------|---------------|--------------|-------------|
| 15B045FE | 15B204513720207 | 45 | 37 | 32 | LP | GRUNDFOS | 82 | 255 | 1 | \$2,050 |
| 15B070FE | 15B307013720207 | 70 | 57 | 50 | LP | GRUNDFOS | 82 | 305 | 2 | \$2,225 |
| 15B096FE | 15B309613720207 | 96 | 79 | 69 | LP | GRUNDFOS | 82 | 310 | 2 | \$2,301 |
| 15B120FE | 15B412013720207 | 120 | 98 | 85 | LP | GRUNDFOS | 82 | 355 | 3 | \$2,527 |
| 15B145FE | 15B414513720207 | 145 | 119 | 103 | LP | GRUNDFOS | 82 | 360 | 3 | \$2,682 |
| 15B170FE | 15B517013720207 | 170 | 140 | 122 | LP | GRUNDFOS | 82 | 420 | 4 | \$3,007 |
| 15B195FE | 15B519513720207 | 195 | 160 | 139 | LP | GRUNDFOS | 82 | 425 | 4 | \$3,328 |
| 15B245FE | 15B624513720207 | 245 | 201 | 174 | LP | GRUNDFOS | 82 | 495 | 5 | \$3,631 |
| 15B295FE | 15B729513720207 | 295 | 242 | 210 | LP | GRUNDFOS | 82 | 555 | 6 | \$3,868 |

15B (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|----------|-------------|---|-------------|
| 15B045FE | 550001279 | 15B045FE NATURAL GAS TO LP GAS CONVERSION KIT | \$50 |
| 15B070FE | 550001280 | 15B070FE NATURAL GAS TO LP GAS CONVERSION KIT | \$50 |
| 15B096FE | 550001281 | 15B096FE NATURAL GAS TO LP GAS CONVERSION KIT | \$50 |
| 15B120FE | 550001282 | 15B120FE NATURAL GAS TO LP GAS CONVERSION KIT | \$61 |
| 15B145FE | 550001283 | 15B145FE NATURAL GAS TO LP GAS CONVERSION KIT | \$61 |
| 15B170FE | 550001282 | 15B170FE NATURAL GAS TO LP GAS CONVERSION KIT | \$61 |
| 15B195FE | 550001285 | 15B195FE NATURAL GAS TO LP GAS CONVERSION KIT | \$61 |
| 15B245FE | 550001286 | 15B245FE NATURAL GAS TO LP GAS CONVERSION KIT | \$61 |
| 15B295FE | 550001287 | 15B295FE NATURAL GAS TO LP GAS CONVERSION KIT | \$67 |
| 15B045FE | 550001270 | 15B045FE LP GAS TO NATURAL GAS CONVERSION KIT | \$55 |
| 15B070FE | 550001271 | 15B070FE LP GAS TO NATURAL GAS CONVERSION KIT | \$55 |
| 15B096FE | 550001272 | 15B096FE LP GAS TO NATURAL GAS CONVERSION KIT | \$55 |
| 15B120FE | 550001273 | 15B120FE LP GAS TO NATURAL GAS CONVERSION KIT | \$58 |
| 15B145FE | 550001274 | 15B145FE LP GAS TO NATURAL GAS CONVERSION KIT | \$58 |
| 15B170FE | 550001273 | 15B170FE LP GAS TO NATURAL GAS CONVERSION KIT | \$58 |
| 15B195FE | 550001276 | 15B195FE LP GAS TO NATURAL GAS CONVERSION KIT | \$58 |
| 15B245FE | 550001277 | 15B245FE LP GAS TO NATURAL GAS CONVERSION KIT | \$65 |
| 15B295FE | 550001278 | 15B295FE LP GAS TO NATURAL GAS CONVERSION KIT | \$65 |

**15B (Use Parts Multiplier for All of the Following)
Combustible Floor Plate for All Capacities (**SEE REQUIREMENTS BELOW)**

| | | | |
|----------|------------|--|-------|
| 15B045FE | 325-2-8.01 | COMBUSTIBLE FLOOR PLATE 15B045FE **(1) | \$235 |
| 15B070FE | 325-2-8.02 | COMBUSTIBLE FLOOR PLATE 15B070FE **(1) | \$246 |
| 15B096FE | 325-2-8.02 | COMBUSTIBLE FLOOR PLATE 15B096FE **(1) | \$246 |
| 15B120FE | 325-2-8.03 | COMBUSTIBLE FLOOR PLATE 15B120FE **(1) | \$269 |
| 15B145FE | 325-2-8.03 | COMBUSTIBLE FLOOR PLATE 15B145FE **(1) | \$269 |
| 15B170FE | 325-2-8.04 | COMBUSTIBLE FLOOR PLATE 15B170FE **(1) | \$269 |
| 15B195FE | 325-2-8.04 | COMBUSTIBLE FLOOR PLATE 15B195FE **(1) | \$269 |
| 15B245FE | 325-2-8.05 | COMBUSTIBLE FLOOR PLATE 15B245FE **(1) | \$299 |
| 15B295FE | 325-2-8.06 | COMBUSTIBLE FLOOR PLATE 15B295FE **(1) | \$329 |

****COMBUSTIBLE FLOOR REQUIREMENTS:**

PLEASE NOTE: A central heating boiler shall be installed in accordance with the instructions manual in one (1) of the two (2) following manners. 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, 5, 6) MUST be used and available through the distributor.

(or)

(2) NFPA / ANSI Z223.1, 2015 Edition - section 10.3.3 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.

FSB Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers

- MBH Input 42-225 (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 | FSB-2 | FSB-3 | FSB-4 | FSB-5 | FSB-6 | FSB-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 | 215 lbs | 265 lbs | 322 lbs | 370 lbs | 431 lbs | 480 lbs | |

FSB - Cast-Iron Induced Draft Chimney/Side Wall Vented Boilers

| Model | Item Number | Input MBH | Htg. Cap. MBH | AHRI Net MBH | Fuel | Pump | AFUE % | Shp. Wgt. Lbs | Chimney Cat. I | Side Wall Cat. III | Trade Price |
|-------|-----------------|-----------|---------------|--------------|------|----------|--------|---------------|----------------|--------------------|-------------|
| FSB-2 | FSB204203110207 | 42 | 36 | 31 | NAT | TACO | 84.4 | 215 | 4" | 3" | \$2,215 |
| FSB-3 | FSB307503110207 | 75 | 63 | 55 | NAT | TACO | 83.4 | 265 | 4" | 3" | \$2,498 |
| FSB-4 | FSB411203110207 | 112 | 94 | 82 | NAT | TACO | 83.0 | 322 | 4" | 3" | \$2,755 |
| FSB-5 | FSB515003110207 | 150 | 125 | 109 | NAT | TACO | 82.7 | 370 | 4" | 3" | \$3,083 |
| FSB-6 | FSB618703110207 | 187 | 155 | 135 | NAT | TACO | 82.3 | 431 | 4" | 4" | \$3,610 |
| FSB-7 | FSB722503110207 | 225 | 186 | 162 | NAT | TACO | 82.0 | 480 | 4" | 4" | \$3,954 |
| FSB-2 | FSB204203120207 | 42 | 36 | 31 | NAT | GRUNDFOS | 84.4 | 215 | 4" | 3" | \$2,215 |
| FSB-3 | FSB307503120207 | 75 | 63 | 55 | NAT | GRUNDFOS | 83.4 | 265 | 4" | 3" | \$2,498 |
| FSB-4 | FSB411203120207 | 112 | 94 | 82 | NAT | GRUNDFOS | 83.0 | 322 | 4" | 3" | \$2,755 |
| FSB-5 | FSB515003120207 | 150 | 125 | 109 | NAT | GRUNDFOS | 82.7 | 370 | 4" | 3" | \$3,083 |
| FSB-6 | FSB618703120207 | 187 | 155 | 135 | NAT | GRUNDFOS | 82.3 | 431 | 4" | 4" | \$3,610 |
| FSB-7 | FSB722503120207 | 225 | 186 | 162 | NAT | GRUNDFOS | 82.0 | 480 | 4" | 4" | \$3,954 |
| FSB-2 | FSB204213110207 | 42 | 36 | 31 | LP | TACO | 84.4 | 215 | 4" | 3" | \$2,268 |
| FSB-3 | FSB307513110207 | 75 | 63 | 55 | LP | TACO | 83.4 | 265 | 4" | 3" | \$2,549 |
| FSB-4 | FSB411213110207 | 112 | 94 | 82 | LP | TACO | 83.0 | 322 | 4" | 3" | \$2,809 |
| FSB-5 | FSB515013110207 | 150 | 125 | 109 | LP | TACO | 82.7 | 370 | 4" | 3" | \$3,137 |
| FSB-6 | FSB618713110207 | 187 | 155 | 135 | LP | TACO | 82.3 | 431 | 4" | 4" | \$3,665 |
| FSB-7 | FSB722513110207 | 225 | 186 | 162 | LP | TACO | 82.0 | 480 | 4" | 4" | \$4,008 |
| FSB-2 | FSB204213120207 | 42 | 36 | 31 | LP | GRUNDFOS | 84.4 | 215 | 4" | 3" | \$2,268 |
| FSB-3 | FSB307513120207 | 75 | 63 | 55 | LP | GRUNDFOS | 83.4 | 265 | 4" | 3" | \$2,549 |
| FSB-4 | FSB411213120207 | 112 | 94 | 82 | LP | GRUNDFOS | 83.0 | 322 | 4" | 3" | \$2,809 |
| FSB-5 | FSB515013120207 | 150 | 125 | 109 | LP | GRUNDFOS | 82.7 | 370 | 4" | 3" | \$3,137 |
| FSB-6 | FSB618713120207 | 187 | 155 | 135 | LP | GRUNDFOS | 82.3 | 431 | 4" | 4" | \$3,665 |
| FSB-7 | FSB722513120207 | 225 | 186 | 162 | LP | GRUNDFOS | 82.0 | 480 | 4" | 4" | \$4,008 |

FSB (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-------|-------------|--|-------------|
| FSB | 550002722 | NATURAL TO LP CONVERSION KIT (ALL SIZES) | \$91 |
| FSB | 43300660 | LP TO NATURAL CONVERSION KIT (ALL SIZES) | \$100 |

Side Wall Vent Hoods

| | | | |
|-----------|----------|--|-------|
| FSB (2-5) | 14629010 | TJERNLUND VH-1-3" SIDE WALL VENT HOOD (FSB-2 TO FSB-5) | \$253 |
| FSB (6-7) | 14629011 | TJERNLUND VH-1-4" SIDE WALL VENT HOOD (FSB-6 & FSB-7) | \$301 |

****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.

16 Cast-Iron Steam Boilers

- MBH Input 75-299 (CH)
- Up to 82.7% AFUE
- 7 Sizes Available
- Dependable Cast-Iron Heat Exchanger
- Electronic Ignition System
- Automatic Vent Damper
- LWCO (Probe Type) externally mounted for quick access
- Pressure High Limit Control with Pressure Gauge and Gauge Glass
- Stainless Steel Burners
- Easy Serviceability



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

(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 | 1603HSID | 1604HSID | 1605HSID | 1606HSID | 1607HSID | 1608HSID | 1609HSID |
| Water Return/Supply | 2 1/2" NPT | | | | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | | | | |
| Height | 36.375" | 36.375" | 36.375" | 36.375" | 36.375" | 36.375" | 36.375" |
| Width | 11 1/4" | 14 1/2" | 17 3/4" | 21" | 24 1/4" | 27 1/2" | 30 3/4" |
| Depth | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" | 26 1/2" |
| Weight | 297 | 368 | 440 | 512 | 584 | 659 | 736 |

16 - Cast-Iron Steam Boilers

| Model | Item Number | Input MBH | Htg. Cap. MBH | AHRI Net MBH | AHRI Net SQ. FT. Steam | Fuel | AFUE% | Shp. Wgt. lbs | Trade Price |
|----------|-------------|-----------|---------------|--------------|------------------------|------|-------|---------------|-------------|
| 1603HSID | 353541106 | 75 | 62 | 47 | 196 | NAT | 82.7 | 297 | \$2,546 |
| 1604HSID | 354541106 | 112 | 91 | 68 | 183 | NAT | 82 | 368 | \$2,848 |
| 1605HSID | 355541106 | 150 | 122 | 92 | 383 | NAT | 82 | 440 | \$3,182 |
| 1606HSID | 356541106 | 187 | 153 | 115 | 479 | NAT | 82 | 512 | \$3,637 |
| 1607HSID | 357541106 | 225 | 183 | 137 | 571 | NAT | 82 | 584 | \$4,061 |
| 1608HSID | 358541106 | 262 | 214 | 161 | 671 | NAT | 82 | 659 | \$4,487 |
| 1609HSID | 359541106 | 299 | 245 | 184 | 767 | NAT | 82 | 736 | \$4,780 |

16 (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|----------|-------------|--|-------------|
| 1603HSID | 43300723 | 3 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| 1604HSID | 43300724 | 4 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| 1605HSID | 43300725 | 5 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$54 |
| 1606HSID | 43300726 | 6 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| 1607HSID | 43300727 | 7 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| 1608HSID | 43300728 | 8 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| 1609HSID | 43300729 | 9 SECTION NATURAL GAS TO LP GAS CONVERSION KIT | \$64 |
| 1604HSID | 43300632 | 4 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| 1605HSID | 43300633 | 5 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$205 |
| 1606HSID | 43300634 | 6 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$200 |
| 1607HSID | 43300635 | 7 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$202 |
| 1608HSID | 43300636 | 8 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| 1609HSID | 43300637 | 9 SECTION LP GAS TO NATURAL GAS CONVERSION KIT | \$203 |
| FSB | 1630001 | WF2 WATER FEEDER USED WITH PS802 LWCO | \$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.

41K Cast-Iron Commercial Steam Boilers

41K Commercial 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

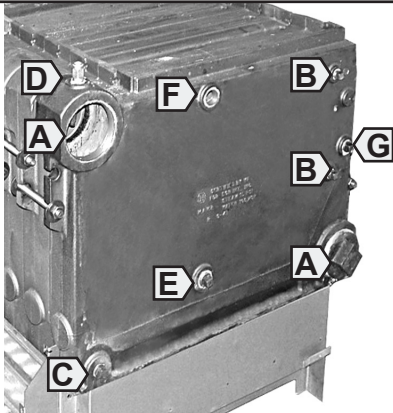


Plug 'N Play Harness and Junction Box

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.

| 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" |
| Steam/Water Piping | 1" | 1" |

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. | | |

41K - Cast-Iron Commercial Steam Boilers

| Model | Item Number | Input MBH | Output MBH | Net AHRI Ratings | | | Therm. Eff. | Shp. Wgt. Lbs | No. of Sect. | Trade Price |
|----------|-----------------|-----------|------------|------------------|---------------|-----------------|-------------|---------------|--------------|-------------|
| | | | | Steam PPF | Steam SQ. FT. | Steam BTU (MBH) | | | | |
| 41K300S | CBA030003101107 | 300 | 233 | 1.33 | 729 | 175 | 77 | 1000 | 4 | \$8,859 |
| 41K400S | CBA040003101107 | 400 | 310 | 1.33 | 971 | 233 | 77 | 1200 | 5 | \$9,967 |
| 41K500S | CBA050003101107 | 500 | 388 | 1.33 | 1213 | 291 | 77 | 1400 | 6 | \$11,081 |
| 41K600S | CBA060003101107 | 600 | 465 | 1.33 | 1454 | 349 | 77 | 1600 | 7 | \$14,409 |
| 41K700S | CBA070003101107 | 700 | 543 | 1.33 | 1696 | 407 | 77 | 1800 | 8 | \$15,522 |
| 41K800S | CBA080003101107 | 800 | 620 | 1.33 | 1938 | 465 | 77 | 2000 | 9 | \$16,677 |
| 41K900S | CBA090003101107 | 900 | 698 | 1.33 | 2183 | 524 | 77 | 2200 | 10 | \$17,896 |
| 41K1000S | CBA100003101107 | 1000 | 775 | 1.33 | 2421 | 581 | 77 | 2400 | 11 | \$19,004 |
| 41K1100S | CBA110003101107 | 1100 | 853 | 1.33 | 2667 | 640 | 77 | 2600 | 12 | \$22,421 |
| 41K1200S | CBA120003101107 | 1200 | 930 | 1.33 | 2908 | 698 | 77 | 2900 | 13 | \$23,530 |
| 41K1300S | CBA130003101107 | 1300 | 1008 | 1.33 | 3150 | 756 | 77 | 3100 | 14 | \$25,289 |
| 41K1400S | CBA140003101107 | 1400 | 1085 | 1.33 | 3392 | 814 | 77 | 3300 | 15 | \$26,403 |
| 41K1500S | CBA150003101107 | 1500 | 1163 | 1.33 | 3633 | 872 | 77 | 3500 | 16 | \$27,539 |

41K (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-------|-------------|--|-------------|
| 41K | 14662311 | STEAM MANUAL RESET PRESSURE CONTROL (L4079B1033) | \$293 |
| 41K | 1280001 | M-M 47-2 LWCO & FEEDER (MODELS 300-1500) | \$1,318 |
| 41K | 14662313 | STRAP ON OPERATING CONTROL (L6006C-1034) | \$176 |

***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.

KW Cast-Iron Chimney Vented Boilers

- MBH Input 105-245
- Up to 86% AFUE
- Advanced High Efficiency Heat Exchanger Design
- Choice of Control:
 - Honeywell: Standard control with digital display and diagnostics, monitors water temperature and delays burner from starting until the residual heat energy within the boiler is consumed.
 - Hydrolevel 3250: with digital display and diagnostics; adjusts the water temperature based on your heating system demand which further reduces your heating costs. It also features a built-in low water cut-off (LWCO) to protect the boiler from potentially dangerous low water conditions.
- Compact Footprint
- Easy Serviceability



Shown with Hydrolevel Control

| Clearances | Combustible Materials ⁽¹⁾ | Service ⁽²⁾ |
|------------|--------------------------------------|------------------------|
| Top | 6" | 24" |
| Left | 6" | N/A |
| Right | 24" | N/A |
| Front | 24" | N/A |
| Back | 6" | N/A |
| Bottom | non-combustible | N/A |
| Flue | 9" | N/A |

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

| General Information (See IOM for Complete Instructions) | | | |
|---|---|---------|---------|
| Model | 3KW.75 | 4KW1.50 | 5KW1.75 |
| 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) | 9.6 | 11.6 | 13.7 |
| Dimensions | Height | 36" | 36" |
| | Width | 19 1/2" | 19 1/2" |
| | Depth | 17 3/4" | 21" |
| Weight (lbs.) | 470 | 545 | 630 |

KW - Cast-Iron Chimney Vented Boilers with Beckett Burner

| Model | Item Number | Input MBH | Fuel | AFUE % | Control | Pump | Tank less Coil | Tank less gpm | Shp. Wgt. lbs | Trade Price |
|---------|-----------------|-----------|------|--------|------------|----------|----------------|---------------|---------------|-------------|
| 3KW.75 | KWB307531100207 | 105 | OIL | 85.2 | HONEYWELL | LESS | LESS | N/A | 470 | \$2,477 |
| 4KW1.50 | KWB415031100207 | 210 | OIL | 84.0 | HONEYWELL | LESS | LESS | N/A | 545 | \$2,775 |
| 5KW1.75 | KWB517531100207 | 245 | OIL | 84.3 | HONEYWELL | LESS | LESS | N/A | 630 | \$3,391 |
| 3KW.75 | KWB307531200207 | 105 | OIL | 85.2 | HYDROLEVEL | LESS | LESS | N/A | 470 | \$2,572 |
| 4KW1.50 | KWB415031200207 | 210 | OIL | 84.0 | HYDROLEVEL | LESS | LESS | N/A | 545 | \$2,870 |
| 5KW1.75 | KWB517531200207 | 245 | OIL | 84.3 | HYDROLEVEL | LESS | LESS | N/A | 630 | \$3,486 |
| 3KW.75 | KWB307531110207 | 105 | OIL | 85.2 | HONEYWELL | TACO | LESS | N/A | 470 | \$2,555 |
| 4KW1.50 | KWB415031110207 | 210 | OIL | 84.0 | HONEYWELL | TACO | LESS | N/A | 545 | \$2,853 |
| 5KW1.75 | KWB517531110207 | 245 | OIL | 84.3 | HONEYWELL | TACO | LESS | N/A | 630 | \$3,469 |
| 3KW.75 | KWB307531210207 | 105 | OIL | 85.2 | HYDROLEVEL | TACO | LESS | N/A | 470 | \$2,650 |
| 4KW1.50 | KWB415031210207 | 210 | OIL | 84.0 | HYDROLEVEL | TACO | LESS | N/A | 545 | \$2,947 |
| 5KW1.75 | KWB517531210207 | 245 | OIL | 84.3 | HYDROLEVEL | TACO | LESS | N/A | 630 | \$3,564 |
| 3KW.75 | KWB307531120207 | 105 | OIL | 85.2 | HONEYWELL | GRUNDFOS | LESS | N/A | 470 | \$2,555 |
| 4KW1.50 | KWB415031120207 | 210 | OIL | 84.0 | HONEYWELL | GRUNDFOS | LESS | N/A | 545 | \$2,853 |
| 5KW1.75 | KWB517531120207 | 245 | OIL | 84.3 | HONEYWELL | GRUNDFOS | LESS | N/A | 630 | \$3,469 |
| 3KW.75 | KWB307531220207 | 105 | OIL | 85.2 | HYDROLEVEL | GRUNDFOS | LESS | N/A | 470 | \$2,650 |
| 4KW1.50 | KWB415031220207 | 210 | OIL | 84.0 | HYDROLEVEL | GRUNDFOS | LESS | N/A | 545 | \$2,947 |
| 5KW1.75 | KWB517531220207 | 245 | OIL | 84.3 | HYDROLEVEL | GRUNDFOS | LESS | N/A | 630 | \$3,564 |
| 3KW.75 | KWB307532100207 | 105 | OIL | 85.2 | HONEYWELL | LESS | COIL | 3.00 | 470 | \$2,786 |
| 4KW1.50 | KWB415032100207 | 210 | OIL | 84.0 | HONEYWELL | LESS | COIL | 3.75 | 545 | \$3,285 |
| 5KW1.75 | KWB517532100207 | 245 | OIL | 84.3 | HONEYWELL | LESS | COIL | 4.00 | 630 | \$3,786 |
| 3KW.75 | KWB307532200207 | 105 | OIL | 85.2 | HYDROLEVEL | LESS | COIL | 3.00 | 470 | \$2,880 |
| 4KW1.50 | KWB415032200207 | 210 | OIL | 84.0 | HYDROLEVEL | LESS | COIL | 3.75 | 545 | \$3,380 |
| 5KW1.75 | KWB517532200207 | 245 | OIL | 84.3 | HYDROLEVEL | LESS | COIL | 4.00 | 630 | \$3,882 |
| 3KW.75 | KWB307532110207 | 105 | OIL | 85.2 | HONEYWELL | TACO | COIL | 3.00 | 470 | \$2,864 |
| 4KW1.50 | KWB415032110207 | 210 | OIL | 84.0 | HONEYWELL | TACO | COIL | 3.75 | 545 | \$3,363 |
| 5KW1.75 | KWB517532110207 | 245 | OIL | 84.3 | HONEYWELL | TACO | COIL | 4.00 | 630 | \$3,865 |
| 3KW.75 | KWB307532210207 | 105 | OIL | 85.2 | HYDROLEVEL | TACO | COIL | 3.00 | 470 | \$2,959 |
| 4KW1.50 | KWB415032210207 | 210 | OIL | 84.0 | HYDROLEVEL | TACO | COIL | 3.75 | 545 | \$3,458 |
| 5KW1.75 | KWB517532210207 | 245 | OIL | 84.3 | HYDROLEVEL | TACO | COIL | 4.00 | 630 | \$3,960 |
| 3KW.75 | KWB307532120207 | 105 | OIL | 85.2 | HONEYWELL | GRUNDFOS | COIL | 3.00 | 470 | \$2,864 |
| 4KW1.50 | KWB415032120207 | 210 | OIL | 84.0 | HONEYWELL | GRUNDFOS | COIL | 3.75 | 545 | \$3,363 |
| 5KW1.75 | KWB517532120207 | 245 | OIL | 84.3 | HONEYWELL | GRUNDFOS | COIL | 4.00 | 630 | \$3,865 |
| 3KW.75 | KWB307532220207 | 105 | OIL | 85.2 | HYDROLEVEL | GRUNDFOS | COIL | 3.00 | 470 | \$2,959 |
| 4KW1.50 | KWB415032220207 | 210 | OIL | 84.0 | HYDROLEVEL | GRUNDFOS | COIL | 3.75 | 545 | \$3,458 |
| 5KW1.75 | KWB517532220207 | 245 | OIL | 84.3 | HYDROLEVEL | GRUNDFOS | COIL | 4.00 | 630 | \$3,960 |

KW (Use Parts Multiplier for All of the Following)

| Model | Item Number | Description | Trade Price |
|-------|-------------|---|-------------|
| KW II | 550002646 | 3 SECTION RE-RATE KIT (0.75 TO 0.60 OR 1.00 G.P.H.) | \$26 |
| KW II | 550002647 | 4 SECTION RE-RATE KIT (1.50 TO 0.90 OR 1.25 G.P.H.) | \$26 |
| KW II | 550002648 | 5 SECTION RE-RATE KIT (1.75 TO 1.20 OR 2.00 G.P.H.) | \$63 |
| KW II | 14624002 | FILL-TROL FOR WATER BOILERS 150 MBH OR LESS | \$321 |
| KW II | 14624003 | FILL-TROL FOR WATER BOILERS OVER 150 MBH | \$445 |

KSC Cast-Iron Steam Boilers

- MBH Input 106-294 (CH)
- Up to 82% AFUE
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples
- Patented Heat Shield (US: 7,823,544)
- Honeywell Operating Control
- Burner swing door for easy serviceability
- Multiple Firing Rates
- Chimney Venting
- Optional tankless domestic hot water (DHW) coil



| 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/Vent Connector | 9" (229 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 | KSC-3090S(T) | KSC-4125S(T) | KSC-5185S(T) | KSC-6210S(T) |
|-------------------------|---|--------------|--------------|--------------|
| Water Return/Supply | 1 1/2" Return NPT, 2" Supply NPT | | | |
| Oil | 3/8" O.D. Copper (runs 50' or less, 1/2" O.D. Copper (runs over 50') | | | |
| Electrical | 120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended) | | | |
| Water Content (Gallons) | 11 | 13 | 15 | 17 |
| 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 | 668 | 781 | 901 |

KSC - Cast-Iron Steam Oil Boilers

| 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 |
|------------|-----------------|------|-----------|---------------|--------------|------------------------|---------|--------|-----------------|--------------|---------------|-------------|
| KSC-3090S | KSC309031100507 | LESS | 126 | 106 | 80 | 333 | BECKETT | 82 | 0.90 | 3 | 534 | \$3,550 |
| KSC-4125S | KSC412531100507 | LESS | 175 | 147 | 110 | 458 | BECKETT | 82 | 1.25 | 4 | 688 | \$4,098 |
| KSC-5185S | KSC518531100507 | LESS | 259 | 216 | 162 | 675 | BECKETT | 82 | 1.85 | 5 | 781 | \$4,444 |
| KSC-6210S | KSC621031100507 | LESS | 294 | 247 | 185 | 771 | BECKETT | 82 | 2.10 | 6 | 901 | \$4,856 |
| KSC-3090ST | KSC309032100507 | COIL | 126 | 106 | 80 | 333 | BECKETT | 82 | 0.90 | 3 | 534 | \$3,977 |
| KSC-4125ST | KSC412532100507 | COIL | 175 | 147 | 110 | 458 | BECKETT | 82 | 1.25 | 4 | 688 | \$4,524 |
| KSC-5185ST | KSC518532100507 | COIL | 259 | 216 | 162 | 675 | BECKETT | 82 | 1.85 | 5 | 781 | \$4,871 |
| KSC-6210ST | KSC621032100507 | COIL | 294 | 247 | 185 | 771 | BECKETT | 82 | 2.10 | 6 | 901 | \$5,283 |

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.

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 | H2OIG30PN | 31 | GLASS LINED | 155 | 124 | 100,000 | 119 | \$1,032 |
| H2O 40 GL | H2OIG40PN | 42 | GLASS LINED | 256 | 220 | 120,000 | 180 | \$1,053 |
| H2O 50 GL | H2OIG50PN | 53 | GLASS LINED | 310 | 268 | 140,000 | 200 | \$1,199 |
| H2O 80 GL | H2OIG80PN | 79 | GLASS LINED | 346 | 281 | 180,000 | 243 | \$1,663 |
| H2O 105 GL | H2OIG105PN | 106 | GLASS LINED | 440 | 345 | 220,000 | 393 | \$2,601 |

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 |

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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