

# Flue Damper Electronic Ignition (D-Series) Commercial Gas Water Heater

## Features

- **Bradford White ICON HD®**—Intelligent proven design combines temperature control, diagnostic codes, and system ignition functions with a digital LCD display.
- **Vitraglas® Lining with Antimicrobial Technology**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Hydrojet® Total Performance System**—Sediment reducing device that minimizes temperature build-up in tank.

## Additional Details

- **Electronic Ignition**—High voltage, low current electricity is sent to the pilot electrode initiating a spark to ignite the pilot gas. Saves pilot gas during standby periods; the pilot flame only operates when there's a call for heat.
- **Automatic Flue Damper**—Reduces stand-by loss, saving gas consumption and improving overall efficiency.
- **Insulation System**—Non-CFC foam covers the sides of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—1½" (38mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Hand Hole Cleanout**—Allows inspection of tank interior and facilitates the removal of sediment deposits.
- **E.C.O.**—An automatic reset Energy Cut Out (E.C.O.) shuts off all gas in event of an overheat condition. This automatically resets when operation conditions are back to normal.
- **Protective Anode Rods**—Provide added protection against corrosion for long-term, trouble-free service.
- **Sanitizing Capability**—Temperature setting up to 180°F (82°C).
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **ASME Construction Available on All Models above 200,000 BTU/Hr.**
- **NSF 5 Kits Available.**
- **Low NOx Natural Gas Construction Available.**
- **Design certified by CSA International.**
- **Available in 120V/60Hz or 220V/50Hz Operation.**



Photo is of D-75T-125-3N

THE BRADFORD WHITE  
**ICON<sub>HD</sub>**  
COMMERCIAL CONTROL SYSTEM

**VITRAGLAS**  
SUPERIOR PROTECTION SINCE 1981

**Hydrojet**



**3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.**

For more information on warranty, please visit [www.bradfordwhite.com](http://www.bradfordwhite.com)

# Flue Damper Electronic Ignition (D-Series)

## Commercial Gas Water Heater

### SPECIFICATIONS

Natural Gas and Liquid Propane Gas

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

| Model Number       | Nominal Gal. Capacity |           | BTU/Hr. Input | LP BTU/Hr. Input | GPH Recovery at Degree Rise* |       |       | A Floor to Vent Conn. in. | B Jacket Dia. in. | C Vent Size in. | D Floor to T&P Conn. in. | E Floor to Gas Conn. in. | F Floor to Top of Heater in. | G Floor to Top Water Conn. in. | K Floor to Water Conn. Cold in. | L Floor to Water Conn. Hot in. | Depth in. | C/L of Water Conn. in. | Water Conn. NPT in. | Gas Conn. Size in. | Approx. Shipping Weight (lbs.) |      |
|--------------------|-----------------------|-----------|---------------|------------------|------------------------------|-------|-------|---------------------------|-------------------|-----------------|--------------------------|--------------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------|------------------------|---------------------|--------------------|--------------------------------|------|
|                    | U.S. Gal.             | Imp. Gal. |               |                  | 40°F                         | 100°F | 140°F |                           |                   |                 |                          |                          |                              |                                |                                 |                                |           |                        |                     |                    | Std.                           | ASME |
| D-38T-155-3N+      | 38                    | 31        | 150,000       | 150,000          | 376                          | 150   | 107   | 51 9/16                   | 28 1/4            | 6               | 34 3/8                   | 5 1/8                    | 43 9/16                      | —                              | 19 13/16                        | 35 9/16                        | 32 1/2    | —                      | 1 1/2 (F)           | 3/4                | 438                            | —    |
| D-65T-370-3N(A)    | 65                    | 54        | 370,000       | 370,000          | 897                          | 359   | 256   | 71 5/8                    | 28 1/4            | 8               | 54                       | 6 1/4                    | 63 7/8                       | —                              | 28 3/4                          | 54                             | 33 3/8    | —                      | 1 1/2 (F)           | 1 1/8 3/4 (LP)     | 665                            | 720  |
| D-65T-399-3N(A)**  | 65                    | 54        | 399,999       | —                | 970                          | 388   | 277   | 71 5/8                    | 28 1/4            | 8               | 54                       | 6 1/4                    | 63 7/8                       | —                              | 28 3/4                          | 54                             | 33 3/8    | —                      | 1 1/2 (F)           | 1                  | 665                            | 720  |
| D-75T-125-3N       | 75                    | 62        | 125,000       | 125,000          | 303                          | 121   | 86    | 76                        | 28 1/4            | 5               | 53 13/16                 | 4 9/16                   | 65 1/8                       | 66 1/4                         | 33 1/16                         | 53 13/16                       | 32 1/2    | 14 1/2                 | 1 1/2 (T&F)         | 3/4                | 520                            | —    |
| D-75T-160-3N       | 75                    | 62        | 160,000       | 155,000          | 389                          | 155   | 111   | 76                        | 28 1/4            | 6               | 53 13/16                 | 4 9/16                   | 65 1/8                       | 66 1/4                         | 33 1/16                         | 53 13/16                       | 32 3/8    | 14 1/2                 | 1 1/2 (T&F)         | 3/4                | 520                            | —    |
| D-75T-300-3N(A)    | 75                    | 62        | 300,000       | 300,000          | 727                          | 291   | 208   | 75 9/16                   | 28 1/4            | 7               | 52 23/32                 | 8 11/16                  | 65 15/16                     | —                              | 28 7/8                          | 54 3/16                        | 33 3/8    | —                      | 1 1/2 (F)           | 3/4                | 590                            | 645  |
| D-80T-180-3N       | 80                    | 67        | 180,000       | 180,000          | 436                          | 175   | 124   | 72 3/4                    | 28 1/4            | 6               | 55 5/8                   | 5                        | 64 3/4                       | 70                             | 20                              | 56 1/2                         | 32 1/2    | 19                     | 1 1/2 (T&F)         | 3/4                | 540                            | —    |
| D-80T-199-3N       | 80                    | 67        | 199,999       | 199,999          | 485                          | 194   | 139   | 72 3/4                    | 28 1/4            | 6               | 55 5/8                   | 5                        | 64 3/4                       | 70                             | 20                              | 56 1/2                         | 32 1/2    | 19                     | 1 1/2 (T&F)         | 3/4                | 540                            | —    |
| D-80T-250-3N(A)    | 80                    | 67        | 250,000       | 235,000          | 606                          | 242   | 173   | 72 3/4                    | 28 1/4            | 6               | 55 5/8                   | 5                        | 64 3/4                       | 70                             | 20                              | 56 1/2                         | 32 1/2    | 19                     | 1 1/2 (T&F)         | 3/4                | 540                            | 590  |
| D-80T-425-3N(A)    | 80                    | 67        | 425,000       | 425,000          | 1030                         | 412   | 294   | 83 13/16                  | 28 1/4            | 10              | 65 5/16                  | 6 1/4                    | 79 9/16                      | —                              | 23 1/2                          | 66 9/16                        | 34 1/2    | —                      | 1 1/2 (F)           | 1 1/8 3/4 (LP)     | 750                            | 800  |
| D-80T-505-3N(A)    | 80                    | 67        | 505,000       | 505,000          | 1178                         | 489   | 337   | 83 13/16                  | 28 1/4            | 10              | 65 5/16                  | 6 1/4                    | 79 9/16                      | —                              | 23 1/2                          | 66 9/16                        | 34 1/2    | —                      | 1 1/2 (F)           | 1 1/8 3/4 (LP)     | 750                            | 800  |
| D-100L-199-3N      | 100                   | 83        | 199,999       | 199,999          | 485                          | 194   | 139   | 73 1/4                    | 30 3/4            | 6               | 59 9/16                  | 8 11/16                  | 65 5/16                      | 70 1/2                         | 30 5/8                          | 56 9/16                        | 34 1/2    | 23                     | 1 1/2 (T&F)         | 3/4                | 725                            | —    |
| D-100S-199-3N      | 100                   | 83        | 199,999       | 199,999          | 485                          | 194   | 139   | 75 11/16                  | 28 1/4            | 6               | 61 3/16                  | 8 11/16                  | 68 7/8                       | 70                             | 21 9/16                         | 61 1/4                         | 32 1/2    | 21                     | 1 1/2 (T&F)         | 3/4                | 667                            | —    |
| D-100T-199-3N      | 98                    | 82        | 199,999       | 199,999          | 485                          | 194   | 139   | 83 13/16                  | 28 1/4            | 6               | 66 5/16                  | 8 11/16                  | 75 7/16                      | 81 1/2                         | 23 1/2                          | 66 5/16                        | 32 1/2    | 19                     | 1 1/2 (T&F)         | 3/4                | 610                            | —    |
| D-100L-250-3N(A)   | 100                   | 83        | 250,000       | 250,000          | 606                          | 242   | 173   | 73 1/4                    | 30 3/4            | 6               | 56 9/16                  | 8 11/16                  | 65 5/16                      | 70 1/2                         | 30 5/8                          | 56 9/16                        | 34 1/2    | 23                     | 1 1/2 (T&F)         | 3/4                | 725                            | 765  |
| D-100S-250-3N(A)   | 100                   | 83        | 250,000       | 250,000          | 606                          | 242   | 173   | 75 11/16                  | 28 1/4            | 6               | 61 3/16                  | 8 11/16                  | 68 7/8                       | 70                             | 21 9/16                         | 61 1/4                         | 32 1/2    | 21                     | 1 1/2 (T&F)         | 3/4                | 667                            | 702  |
| D-100T-250-3N(A)   | 98                    | 82        | 250,000       | 235,000          | 606                          | 242   | 173   | 83 13/16                  | 28 1/4            | 6               | 66 5/16                  | 8 11/16                  | 75 7/16                      | 81 1/2                         | 23 1/2                          | 66 5/16                        | 32 1/2    | 19                     | 1 1/2 (T&F)         | 3/4                | 610                            | 690  |
| D-100L-270-3N(A)** | 100                   | 83        | 270,000       | —                | 655                          | 262   | 187   | 73 1/4                    | 30 3/4            | 6               | 56 9/16                  | 8 11/16                  | 65 5/16                      | 70                             | 30 5/8                          | 56 9/16                        | 34 1/2    | 23                     | 1 1/2 (T&F)         | 3/4                | 725                            | 765  |
| D-100L-300-3N(A)   | 100                   | 83        | 300,000       | 300,000          | 727                          | 291   | 208   | 73 1/4                    | 30 3/4            | 7               | 56 9/16                  | 8 11/16                  | 65 5/16                      | 70                             | 30 5/8                          | 56 9/16                        | 34 1/2    | 23                     | 1 1/2 (T&F)         | 3/4                | 725                            | 765  |

| Model Number       | Nominal Liter Capacity | LPH Recovery at Degree Rise* |             |      |      |      |      | A Floor to Vent Conn. mm. | B Jacket Dia. mm. | C Vent Size mm. | D Floor to T&P Conn. mm. | E Floor to Gas Conn. mm. | F Floor to Top of Heater mm. | G Floor to Top Water Conn. mm. | K Floor to Water Conn. Cold mm. | L Floor to Water Conn. Hot mm. | Depth mm. | C/L of Water Conn. mm. | Water Conn. NPT mm.             | Gas Conn. Size mm. | Approx. Shipping Weight (kg.) |  |
|--------------------|------------------------|------------------------------|-------------|------|------|------|------|---------------------------|-------------------|-----------------|--------------------------|--------------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------|------------------------|---------------------------------|--------------------|-------------------------------|--|
|                    |                        | kW Input                     | LP kW Input |      |      |      | Std. |                           |                   |                 |                          |                          |                              |                                |                                 |                                |           |                        |                                 |                    | ASME                          |  |
|                    |                        |                              |             | 22°C | 56°C | 78°C |      |                           |                   |                 |                          |                          |                              |                                |                                 |                                |           |                        |                                 |                    |                               |  |
| D-38T-155-3N+      | 144                    | 43.9                         | 43.9        | 1391 | 556  | 397  | 1310 | 718                       | 152               | 873             | 129                      | 1106                     | —                            | 503                            | 894                             | 826                            | —         | 38 (F)                 | 19                              | 199                | —                             |  |
| D-65T-370-3N(A)    | 246                    | 108.4                        | 108.4       | 3395 | 1359 | 969  | 1819 | 718                       | 203               | 1370            | 159                      | 1622                     | —                            | 731                            | 1370                            | 845                            | —         | 38 (F)                 | <sup>25N</sup> <sub>19 LP</sub> | 302                | 327                           |  |
| D-65T-399-3N(A)**  | 246                    | 117.2                        | —           | 3671 | 1469 | 1048 | 1819 | 718                       | 203               | 1370            | 159                      | 1622                     | —                            | 731                            | 1370                            | 845                            | —         | 38 (F)                 | 25                              | 302                | 327                           |  |
| D-75T-125-3N       | 284                    | 36.6                         | 36.6        | 1147 | 458  | 326  | 1930 | 718                       | 127               | 1367            | 116                      | 1653                     | 1683                         | 840                            | 1367                            | 826                            | 368       | 38 (T&F)               | 19                              | 236                | —                             |  |
| D-75T-160-3N       | 284                    | 46.8                         | 45.4        | 1431 | 572  | 409  | 1930 | 718                       | 152               | 1367            | 116                      | 1653                     | 1683                         | 840                            | 1367                            | 822                            | 368       | 38 (T&F)               | 19                              | 236                | —                             |  |
| D-75T-300-3N(A)    | 284                    | 87.9                         | 87.9        | 2752 | 1101 | 787  | 1919 | 718                       | 178               | 1339            | 221                      | 1675                     | —                            | 733                            | 1376                            | 845                            | —         | 38 (F)                 | 19                              | 268                | 393                           |  |
| D-80T-180-3N       | 303                    | 52.7                         | 52.7        | 1650 | 662  | 469  | 1848 | 718                       | 152               | 1413            | 129                      | 1645                     | 1778                         | 502                            | 1435                            | 826                            | 483       | 38 (T&F)               | 19                              | 245                | —                             |  |
| D-80T-199-3N       | 303                    | 58.6                         | 58.6        | 1836 | 734  | 526  | 1848 | 718                       | 152               | 1413            | 129                      | 1645                     | 1778                         | 502                            | 1435                            | 826                            | 483       | 38 (T&F)               | 19                              | 245                | —                             |  |
| D-80T-250-3N(A)    | 303                    | 73.2                         | 68.9        | 2294 | 916  | 655  | 1848 | 718                       | 152               | 1413            | 129                      | 1645                     | 1778                         | 502                            | 1435                            | 826                            | 483       | 38 (T&F)               | 19                              | 245                | 268                           |  |
| D-80T-425-3N(A)    | 303                    | 124.5                        | 124.5       | 3899 | 1559 | 1113 | 2129 | 718                       | 254               | 1684            | 159                      | 2015                     | —                            | 598                            | 1684                            | 876                            | —         | 38 (F)                 | <sup>25N</sup> <sub>19 LP</sub> | 340                | 363                           |  |
| D-80T-505-3N(A)    | 303                    | 148.0                        | 148.0       | 4459 | 1783 | 1276 | 2129 | 718                       | 254               | 1684            | 159                      | 2015                     | —                            | 598                            | 1684                            | 876                            | —         | 38 (F)                 | <sup>25N</sup> <sub>19 LP</sub> | 340                | 363                           |  |
| D-100L-199-3N      | 379                    | 58.6                         | 58.6        | 1836 | 734  | 526  | 1860 | 768                       | 152               | 1437            | 221                      | 1656                     | 1791                         | 779                            | 1437                            | 876                            | 584       | 38 (T&F)               | 19                              | 329                | —                             |  |
| D-100S-199-3N      | 379                    | 58.6                         | 58.6        | 1836 | 734  | 526  | 1922 | 718                       | 152               | 1554            | 221                      | 1749                     | 1778                         | 548                            | 1554                            | 826                            | 533       | 38 (T&F)               | 19                              | 302                | —                             |  |
| D-100T-199-3N      | 371                    | 58.6                         | 58.6        | 1836 | 734  | 526  | 2129 | 718                       | 152               | 1684            | 221                      | 1916                     | 2070                         | 597                            | 1684                            | 826                            | 483       | 38 (T&F)               | 19                              | 277                | —                             |  |
| D-100L-250-3N(A)   | 379                    | 73.2                         | 73.2        | 2294 | 916  | 655  | 1860 | 768                       | 152               | 1437            | 221                      | 1656                     | 1791                         | 779                            | 1437                            | 876                            | 584       | 38 (F)                 | 19                              | 329                | 347                           |  |
| D-100S-250-3N(A)   | 379                    | 73.2                         | 73.2        | 2294 | 916  | 655  | 1922 | 718                       | 152               | 1554            | 221                      | 1749                     | 1778                         | 548                            | 1554                            | 826                            | 533       | 38 (T&F)               | 19                              | 302                | 318                           |  |
| D-100T-250-3N(A)   | 371                    | 73.2                         | 68.9        | 2294 | 916  | 655  | 2129 | 718                       | 152               | 1684            | 221                      | 1916                     | 2070                         | 597                            | 1684                            | 826                            | 483       | 38 (T&F)               | 19                              | 277                | 313                           |  |
| D-100L-270-3N(A)** | 379                    | 79.0                         | —           | 2479 | 992  | 708  | 1860 | 768                       | 152               | 1437            | 221                      | 1656                     | 1778                         | 779                            | 1437                            | 876                            | 584       | 38 (F)                 | 19                              | 329                | 347                           |  |
| D-100L-300-3N(A)   | 379                    | 87.9                         | 87.9        | 2752 | 1101 | 787  | 1860 | 768                       | 178               | 1437            | 221                      | 1656                     | 1778                         | 779                            | 1437                            | 876                            | 584       | 38 (F)                 | 19                              | 329                | 347                           |  |

(A)= ASME Code Available

(F)= Front Water Connection

(T)= Top Water Connection

\*\* = Available in Natural Gas Only

+ = Fiberglass Insulation

For Propane (LP) Gas models change suffix “N” to “X”.

\* Based on manufacturer’s rated recovery efficiency.

Low NOx natural gas models are not available for inputs over 399,999 BTU/Hr.

**For Low NOx natural gas compliance, place an “E” following the BTU input identifier of the model number.**

Example: D-75T-125**E**-3N

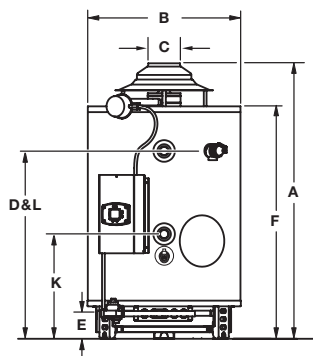
Amperage Draw = .5 for damper models/less than 4 for induced draft models.

**Power Vent Kits**—available for inputs from 125,000 to 505,000 BTU/Hr.

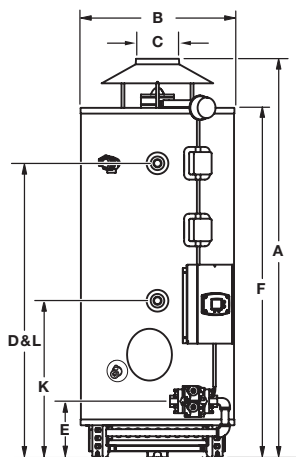
For 5 year models change suffix from “3” to “5”.

# Flue Damper Electronic Ignition (D-Series)

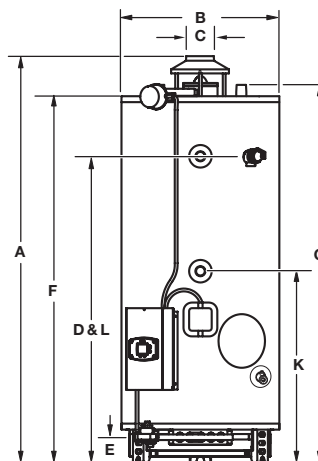
## Commercial Gas Water Heater



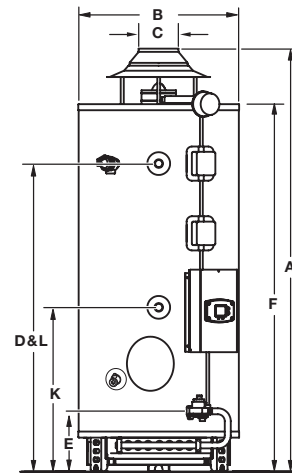
Model D-38T-155



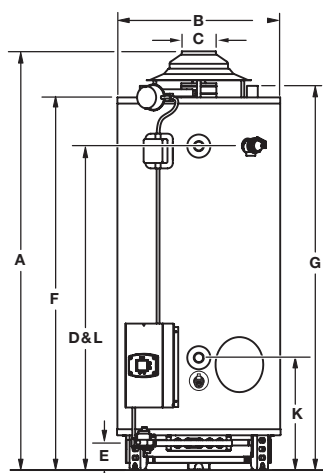
Model D-65T-(370,399)



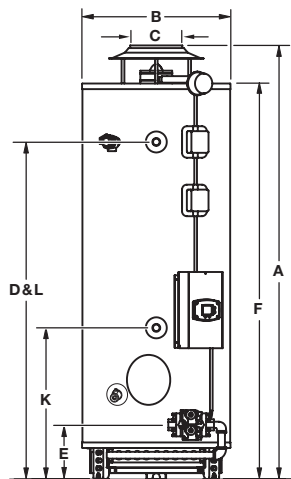
Model D-75T-(125,160)



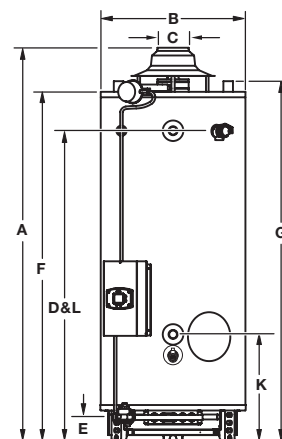
Model D-75T-300



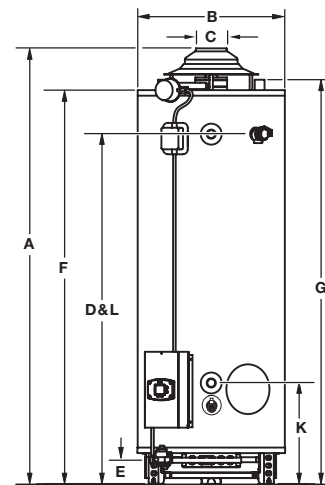
Model D-80T-(180,199,250)



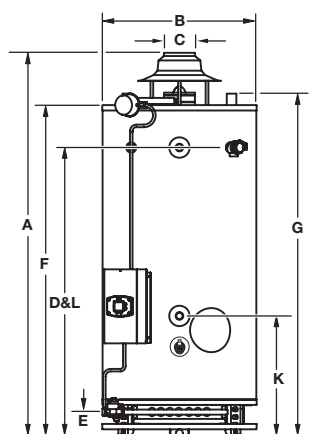
Model D-80T-(425,505)



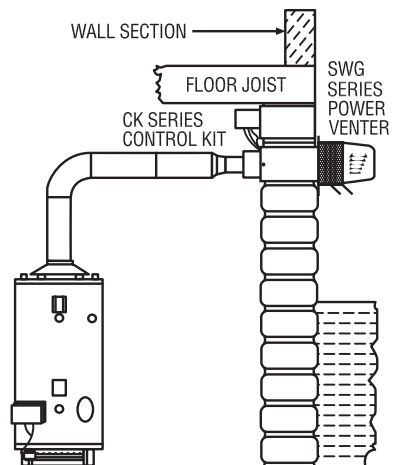
Model D-100S-(199,250)



Model D-100T-(199,250)



Model D-100L-(199,250,270,300)



TYPICAL APPLICATIONS

### Optional Equipment and Features:

#### Alarm Module—

Provides indication (contacts are closed) when an alarm is present via normally open contacts (rated for up to 24 VAC).

**Kit Number** – 265-51961-00

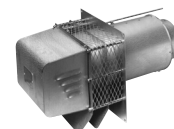
#### Power Vent Kits—

Available for inputs from 125,000 to 505,000 BTU/Hr.

#### BTU Input Range

|                             |              |
|-----------------------------|--------------|
| 125,000 to 290,000 BTU/Hr.: | 239-81764-00 |
| 300,000 to 399,999 BTU/Hr.: | 239-81766-00 |
| 425,000 to 505,000 BTU/Hr.: | 239-82148-00 |

#### Kit Number



# Flue Damper Electronic Ignition (D-Series)

## Commercial Gas Water Heater

| Recovery Data      |                              |      |      |      |      |      |      |       |       |       |       |       |                              |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Model Number       | GPH Recovery at Degree Rise* |      |      |      |      |      |      |       |       |       |       |       | LPH Recovery at Degree Rise* |      |      |      |      |      |      |      |      |      |      |      |
|                    | 30°F                         | 40°F | 50°F | 60°F | 70°F | 80°F | 90°F | 100°F | 110°F | 120°F | 130°F | 140°F | 17°C                         | 22°C | 28°C | 33°C | 39°C | 44°C | 50°C | 56°C | 61°C | 67°C | 72°C | 78°C |
| D-38T-155-3N+      | 501                          | 376  | 301  | 251  | 215  | 188  | 167  | 150   | 136   | 125   | 115   | 107   | 1896                         | 1423 | 1139 | 950  | 814  | 712  | 632  | 568  | 515  | 473  | 435  | 405  |
| D-65T-370-3N(A)    | 1196                         | 897  | 718  | 598  | 513  | 449  | 399  | 359   | 326   | 299   | 276   | 256   | 4527                         | 3396 | 2718 | 2264 | 1942 | 1700 | 1510 | 1359 | 1234 | 1132 | 1045 | 969  |
| D-65T-399-3N(A)**  | 1293                         | 970  | 776  | 647  | 555  | 486  | 432  | 388   | 353   | 324   | 299   | 277   | 4895                         | 3672 | 2937 | 2449 | 2101 | 1840 | 1635 | 1469 | 1336 | 1226 | 1132 | 1049 |
| D-75T-125-3N       | 404                          | 303  | 242  | 202  | 173  | 151  | 134  | 121   | 110   | 101   | 93    | 87    | 1529                         | 1147 | 916  | 765  | 655  | 572  | 507  | 458  | 416  | 382  | 352  | 329  |
| D-75T-160-3N       | 517                          | 388  | 310  | 259  | 222  | 194  | 172  | 155   | 141   | 129   | 119   | 111   | 1957                         | 1469 | 1173 | 980  | 840  | 734  | 651  | 587  | 534  | 488  | 450  | 420  |
| D-75T-300-3N(A)    | 969                          | 727  | 582  | 485  | 416  | 364  | 324  | 291   | 265   | 243   | 224   | 208   | 3668                         | 2752 | 2203 | 1836 | 1575 | 1378 | 1226 | 1102 | 1003 | 920  | 848  | 787  |
| D-80T-180-3N       | 581                          | 436  | 349  | 291  | 249  | 218  | 194  | 175   | 159   | 146   | 135   | 124   | 2199                         | 1650 | 1321 | 1102 | 943  | 825  | 734  | 662  | 602  | 553  | 511  | 469  |
| D-80T-199-3N       | 647                          | 485  | 388  | 323  | 277  | 242  | 215  | 194   | 176   | 161   | 149   | 139   | 2449                         | 1836 | 1469 | 1223 | 1049 | 916  | 814  | 734  | 666  | 609  | 564  | 526  |
| D-80T-250-3N(A)    | 808                          | 606  | 485  | 404  | 346  | 303  | 269  | 242   | 220   | 202   | 186   | 173   | 3059                         | 2294 | 1836 | 1529 | 1310 | 1147 | 1018 | 916  | 833  | 765  | 704  | 655  |
| D-80T-425-3N(A)    | 1373                         | 1030 | 824  | 687  | 589  | 515  | 458  | 412   | 375   | 344   | 318   | 294   | 5197                         | 3899 | 3119 | 2601 | 2223 | 1949 | 1734 | 1560 | 1420 | 1302 | 1204 | 1113 |
| D-80T-505-3N(A)    | 1632                         | 1224 | 979  | 816  | 700  | 612  | 544  | 490   | 445   | 408   | 377   | 350   | 6178                         | 4633 | 3706 | 3089 | 2650 | 2317 | 2059 | 1855 | 1685 | 1544 | 1427 | 1325 |
| D-100L-199-3N      | 647                          | 485  | 388  | 323  | 277  | 242  | 215  | 194   | 176   | 161   | 149   | 139   | 2449                         | 1836 | 1469 | 1223 | 1049 | 916  | 814  | 734  | 666  | 609  | 564  | 526  |
| D-100S-199-3N      | 647                          | 485  | 388  | 323  | 277  | 242  | 215  | 194   | 176   | 161   | 149   | 139   | 2449                         | 1836 | 1469 | 1223 | 1049 | 916  | 814  | 734  | 666  | 609  | 564  | 526  |
| D-100T-199-3N      | 647                          | 485  | 388  | 323  | 277  | 242  | 215  | 194   | 176   | 161   | 149   | 139   | 2449                         | 1836 | 1469 | 1223 | 1049 | 916  | 814  | 734  | 666  | 609  | 564  | 526  |
| D-100L-250-3N(A)   | 808                          | 606  | 485  | 404  | 346  | 303  | 269  | 242   | 220   | 202   | 186   | 173   | 3059                         | 2294 | 1836 | 1529 | 1310 | 1147 | 1018 | 916  | 833  | 765  | 704  | 655  |
| D-100S-250-3N(A)   | 808                          | 606  | 485  | 404  | 346  | 303  | 269  | 242   | 220   | 202   | 186   | 173   | 3059                         | 2294 | 1836 | 1529 | 1310 | 1147 | 1018 | 916  | 833  | 765  | 704  | 655  |
| D-100T-250-3N(A)   | 808                          | 606  | 485  | 404  | 346  | 303  | 269  | 242   | 220   | 202   | 186   | 173   | 3059                         | 2294 | 1836 | 1529 | 1310 | 1147 | 1018 | 916  | 833  | 765  | 704  | 655  |
| D-100L-270-3N(A)** | 873                          | 655  | 524  | 437  | 375  | 328  | 292  | 262   | 238   | 218   | 201   | 187   | 3305                         | 2479 | 1984 | 1654 | 1420 | 1242 | 1105 | 992  | 901  | 825  | 761  | 708  |
| D-100L-300-3N(A)   | 969                          | 727  | 582  | 485  | 416  | 364  | 324  | 291   | 265   | 243   | 224   | 208   | 3668                         | 2752 | 2203 | 1836 | 1575 | 1378 | 1226 | 1102 | 1003 | 920  | 848  | 787  |

\* Based on manufacturer's rated recovery efficiency.

\*\* Available in Natural Gas Only.

### Sample Specification

The water heater shall be a Bradford White model with a rated storage capacity of not less than \_\_\_\_\_ gallons (\_\_\_\_\_ liters), a minimum gas input of \_\_\_\_\_ BTU/Hr. (\_\_\_\_\_ kW), a minimum recovery of \_\_\_\_\_ GPH (\_\_\_\_\_ LPH). The tank shall be Vitraglas® lined with Antimicrobial Technology and have a bolted hand hole cleanout. A digital LCD display shall be integrated into the front control box, and the control shall be an adjustable electronic thermostat to any temperature up to 180°F (85°C) must have an automatic re-set Energy Cut-off (E.C.O), which shuts off all gas in an event of a overheat condition. The tank shall have \_\_\_\_\_ anode rods installed in separate tank head couplings. The heater shall have Non-CFC foam insulation, electronic ignition, and come equipped with an ASME rated T&P relief valve, a cold water inlet Hydrojet® Sediment Reduction System, and a automatic flue damper (115V AC required). It shall be design certified by CSA International for 180°F (82°C) application, either with or without a separate storage tank, and comply with state and local codes and ordinances.

### GENERAL:

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All models are design certified by CSA International, ANSI standard Z21.10.3, for up to 180°F (82°C) application as an Automatic Storage Heater, and an Automatic Circulating Tank Heater. As an Automatic Storage Heater, all models are complete, self-contained water heating systems. It needs no separate storage tank, pump, wiring or elaborate piping network. When equipped with a mixing valve, all models can be stored at a sanitizing temperature of 180°F (82°C) and supply lower temperature general purpose hot water simultaneously.

*Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.*



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