

# ECOflo Condensing Water Heater



|               |                                                  |                    | Model     |           |           |           |
|---------------|--------------------------------------------------|--------------------|-----------|-----------|-----------|-----------|
|               |                                                  |                    | EC230/600 | EC230/700 | EC230/960 | EC380/740 |
| Product code  |                                                  |                    | A441      | A442      | A443      | A444      |
| Energy        | Heat input (gross)                               | kW                 | 36.6      | 43.9      | 58.3      | 43.9      |
|               | Heat output (gross)                              | kW                 | 35.1      | 41.3      | 54.2      | 43        |
|               | Gross thermal efficiency                         | %                  | 96        | 94        | 93        | 98        |
|               | Standby heat loss                                | kW/1/day           | 0.0012    | 0.0013    | 0.00135   | 0.00694   |
| ErP           | NO <sub>x</sub> emission (0% O <sub>2</sub> )    | mg/kWh             | 33        | 37        | 40        | 32        |
|               | ErP efficiency rating                            |                    | A         | A         | A         | A         |
|               | Noise Level*                                     | dBA                | 51        | 51        | 51        | 51        |
| Gas data      | Gas flow rate                                    | m <sup>3</sup> /hr | 3.41      | 4.09      | 5.43      | 4.09      |
|               | Supply pressure                                  | mbar               | 20        | 20        | 20        | 20        |
| Water         | Storage capacity                                 | litre              | 230       | 230       | 230       | 380       |
|               | Recovery rate through 50°C Δt                    | litre/hr           | 600       | 700       | 960       | 740       |
|               | Recovery rate through 56°C Δt                    | litre/hr           | 537       | 632       | 830       | 658       |
|               | Minimum working pressure                         | bar                | 0.8       | 0.8       | 0.8       | 0.8       |
|               | Maximum working pressure                         | bar                | 10        | 10        | 10        | 10        |
| Electical     | Fuse Rating                                      | amp                | 5         | 5         | 5         | 5         |
|               | Electrical power consumption                     | W                  | 120       | 120       | 120       | 120       |
|               | Electrical supply                                |                    | 230V/50Hz | 230V/50Hz | 230V/50Hz | 230V/50Hz |
| Misc          | Weight full                                      | kg                 | 450       | 450       | 450       | 760       |
|               | Weight empty                                     | kg                 | 259       | 259       | 259       | 408       |
|               | Maximum flue runs (concentric)                   | m                  | 16        | 16        | 16        | 16        |
|               | Maximum flue runs (conventional)                 | m                  | 32        | 32        | 32        | 32        |
| Flue diameter | Conventional                                     | mm                 | 100       | 100       | 100       | 100       |
|               | Concentric                                       | mm                 | 100/150   | 100/150   | 100/150   | 100/150   |
| Shipping      | Shipping width                                   | mm                 | 819       | 819       | 819       | 819       |
|               | Shipping depth                                   | mm                 | 889       | 889       | 889       | 889       |
|               | Shipping height                                  | mm                 | 1664      | 1664      | 1664      | 2197      |
|               | Shipping weight                                  | kg                 | 259       | 259       | 259       | 408       |
| Accessories   | Plinth (150mm, required for all ECOflo models**) |                    | E923      | E923      | E923      | E923      |
|               | Unvented system kit***                           |                    | 703930    | 703930    | 703930    | 703930    |
|               | LPG conversion kit                               |                    | n/a       | n/a       | n/a       | n/a       |
|               | BMS interface kit                                |                    | n/a       | n/a       | n/a       | n/a       |
| Flues         | Horizontal flue kit                              |                    | B342      | B342      | B342      | B342      |
|               | Vertical flue kit                                |                    | B344      | B344      | B344      | B344      |
|               | 1 metre cuttable flue length 100/150             |                    | 5136159   | 5136159   | 5136159   | 5136159   |
|               | 0.5 metre flue length 100/150                    |                    | 5136160   | 5136160   | 5136160   | 5136160   |
|               | 87° bend 100/150                                 |                    | 5136162   | 5136162   | 5136162   | 5136162   |
|               | 45° bend 100/150                                 |                    | 5136161   | 5136161   | 5136161   | 5136161   |
|               | Flat roof plate                                  |                    | E207      | E207      | E207      | E207      |
|               | Angled roof plate                                |                    | E208      | E208      | E208      | E208      |
|               | Wall bracket                                     |                    | 5136163   | 5136163   | 5136163   | 5136163   |
|               | Siphon kit c/w condensate trap                   |                    | 5136164   | 5136164   | 5136164   | 5136164   |
|               | Locking clamp                                    |                    | 5136165   | 5136165   | 5136165   | 5136165   |
|               | Ø100mm flue seal                                 |                    | 5136166   | 5136166   | 5136166   | 5136166   |

\*@ 2m from flue terminal

\*\*Unless 150mm high plinth is to be made or already exists in plant room

\*\*\*Unvented system kit includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature/pressure relief valve 7 bar/95°C, tundish T/P brass adaptor, hose assembly.

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# ECOflo Condensing Water Heater



Model

| Product code  |                                                  |                    | EC380/980 | EC380/1220 | EC380/1400 | EC96/380  |
|---------------|--------------------------------------------------|--------------------|-----------|------------|------------|-----------|
|               |                                                  |                    | A445      | A446       | A447       | 7763224   |
| Energy        | Heat input (gross)                               | kW                 | 58.3      | 73.2       | 85         | 102.6     |
|               | Heat output                                      | kW                 | 57.1      | 71         | 79.1       | 96.4      |
|               | Gross thermal efficiency                         | %                  | 98        | 97         | 93/96      | 94        |
|               | Standby heat loss                                | kW/l/day           | 0.00098   | 0.00115    | 0.00122    | 0.00128   |
| ErP           | NO <sub>x</sub> emission (0% O <sub>2</sub> )    | mg/kWh             | 40        | 40         | 55         | 40        |
|               | ErP efficiency rating                            |                    | A         | A          | A          | A         |
|               | Noise Level*                                     | dBA                | 51        | 51         | 51         | 51        |
| Gas data      | Gas flow rate                                    | m <sup>3</sup> /hr | 5.43      | 6.82       | 7.92       | 9.91      |
|               | Supply pressure                                  | mbar               | 20        | 20         | 20         | 20        |
| Water         | Storage capacity                                 | litre              | 380       | 380        | 380        | 380       |
|               | Recovery rate through 50°C Δt                    | litre/hr           | 980       | 1,220      | 1,400      | 1,660     |
|               | Recovery rate through 56°C Δt                    | litre/hr           | 874       | 1,087      | 1,211      | 1482      |
|               | Minimum working pressure                         | bar                | 0.8       | 0.8        | 0.8        | 0.8       |
|               | Maximum working pressure                         | bar                | 10        | 10         | 10         | 10        |
| Electical     | Fuse Rating                                      | amp                | 5         | 5          | 5          | 5         |
|               | Electrical power consumption                     | W                  | 120       | 120        | 120        | 120       |
|               | Electrical supply                                |                    | 230V/50Hz | 230V/50Hz  | 230V/50Hz  | 230V/50Hz |
| Misc          | Weight full                                      | kg                 | 760       | 760        | 760        | 760       |
|               | Weight empty                                     | kg                 | 408       | 408        | 408        | 408       |
|               | Maximum flue runs (concentric)                   | m                  | 16        | 16         | 16         | 16        |
|               | Maximum flue runs (conventional)                 | m                  | 32        | 32         | 32         | 32        |
| Flue diameter | Conventional                                     | mm                 | 100       | 100        | 100        | 100       |
|               | Concentric                                       | mm                 | 100/150   | 100/150    | 100/150    | 100/150   |
| Shipping      | Shipping width                                   | mm                 | 819       | 819        | 819        | 819       |
|               | Shipping depth                                   | mm                 | 889       | 889        | 889        | 889       |
|               | Shipping height                                  | mm                 | 2197      | 2197       | 2197       | 2197      |
|               | Shipping weight                                  | kg                 | 408       | 408        | 408        | 408       |
| Accessories   | Plinth (150mm, required for all ECOflo models**) |                    | E923      | E923       | E923       | E923      |
|               | Unvented system kit***                           |                    | 7703930   | 7703930    | 7703930    | 7703930   |
|               | LPG conversion kit                               |                    | 7697592   | 7697593    | 7697594    | 7763225   |
|               | BMS interface kit                                |                    | n/a       | n/a        | n/a        | B329      |
| Flues         | Horizontal flue kit                              |                    | B343      | B343       | B343       | B343      |
|               | Vertical flue kit                                |                    | B345      | B345       | B345       | B345      |
|               | 1 metre cuttable flue length 100/150             |                    | 5136159   | 5136159    | 5136159    | 5136159   |
|               | 0.5 metre flue length 100/150                    |                    | 5136160   | 5136160    | 5136160    | 5136160   |
|               | 87° bend 100/150                                 |                    | 5136162   | 5136162    | 5136162    | 5136162   |
|               | 45° bend 100/150                                 |                    | 5136161   | 5136161    | 5136161    | 5136161   |
|               | Flat roof plate                                  |                    | E207      | E207       | E207       | E207      |
|               | Angled roof plate                                |                    | E208      | E208       | E208       | E208      |
|               | Wall bracket                                     |                    | 5136163   | 5136163    | 5136163    | 5136163   |
|               | Siphon kit c/w condensate trap                   |                    | 5136164   | 5136164    | 5136164    | 5136164   |
|               | Locking clamp                                    |                    | 5136165   | 5136165    | 5136165    | 5136165   |
|               | Ø100mm flue seal                                 |                    | 5136166   | 5136166    | 5136166    | 5136166   |



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\*\*\*Unvented system kit Includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature/pressure relief valve 7 bar/95°C, tundish T/P brass adaptor, hose assembly.

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