

# EUROMAX C

## GROUND TYPE CONDENSING BOILERS

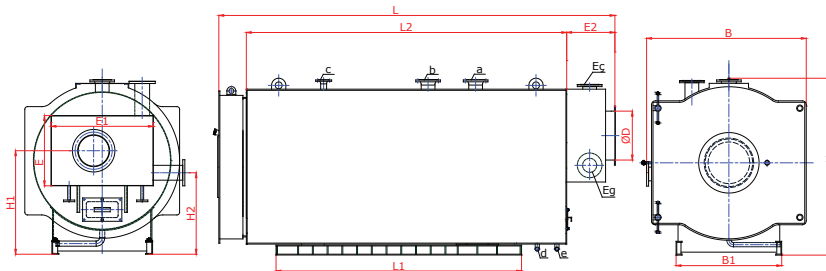
### Three-Pass Condensing Hot Water Boiler with Integrated Economizer



#### Optimum heat transfer, long boiler life

- \* 6-8 bar operating pressure
- \* Up to 96,5% efficiency
- \* Optimum thermal balancing and heat energy use, effective heat use, three passes for reduced operation costs
- \* Uninterrupted passes in all three passes and balanced cooling of flue gases resulting in extended service life
- \* Robust boiler construction thanks to symmetrically positioned heat transfer surfaces
- \* Damage to environment is minimized by low chimney gas emissions
- \* High operation safety thanks to integrated ejector spaces designed for equal (homogeneous) temperature distribution and plates redirecting returning water to hot parts of the boiler
- \* Optimum heat transfer thanks to three-pass burning principle and water cooled reversal chamber
- \* Economizer, where the condensation takes place is made of stainless steel material. Thus acidic condensation water does not harm this part

### EUROMAX C Three-Pass Condensing Hot Water Boiler with Integrated Economizer



| Teknik Özellikler               | Unit | 1170   | 1455   | 1745   | 2330   | 2910   | 3500   | 4000   | 5000   | 6000   | 8000   | 10000  |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Condensing Economizer           |      |        |        |        |        |        |        |        |        |        |        |        |
| 50/30 °C                        | kW   | 60     | 75     | 89     | 132    | 163    | 195    | 223    | 278    | 334    | 472    | 599    |
| 80/60 °C                        | kW   | 47     | 57     | 69     | 103    | 129    | 155    | 173    | 217    | 260    | 373    | 471    |
| Boiler Dimensions               |      |        |        |        |        |        |        |        |        |        |        |        |
| Length                          | mm   | 3.690  | 4.088  | 4.190  | 4.474  | 4.778  | 5.170  | 5.464  | 5.651  | 6.085  | 7.047  | 7.720  |
| Width                           | mm   | 1.544  | 1.553  | 1.746  | 1.812  | 1.950  | 2.052  | 2.061  | 2.223  | 2.404  | 2.733  | 2.905  |
| Height                          | mm   | 1.750  | 1.815  | 1.865  | 1.885  | 2.057  | 2.143  | 2.209  | 2.384  | 2.762  | 3.120  | 3.328  |
| L                               | mm   | 3.690  | 4.088  | 4.190  | 4.474  | 4.778  | 5.170  | 5.464  | 5.651  | 6.085  | 7.047  | 7.720  |
| L1                              | mm   | 2.215  | 2.570  | 2.700  | 2.915  | 3.210  | 3.500  | 3.736  | 3.880  | 4.370  | 5.260  | 5.760  |
| L2                              | mm   | 3.005  | 3.375  | 3.505  | 3.705  | 4.010  | 4.360  | 4.610  | 4.745  | 5.130  | 5.950  | 6.450  |
| B                               | mm   | 1.544  | 1.553  | 1.746  | 1.812  | 1.950  | 2.052  | 2.061  | 2.223  | 2.404  | 2.733  | 2.905  |
| B1                              | mm   | 920    | 950    | 960    | 1.040  | 1.145  | 1.210  | 1.260  | 1.385  | 1.670  | 1.870  | 2.000  |
| H                               | mm   | 1.750  | 1.815  | 1.845  | 1.885  | 2.057  | 2.143  | 2.209  | 2.384  | 2.762  | 3.120  | 3.328  |
| H1                              | mm   | 861    | 923    | 898    | 1.138  | 1.117  | 1.167  | 1.176  | 1.355  | 1.435  | 1.673  | 1.850  |
| H2                              | mm   | 512    | 574    | 577    | 679    | 739    | 773    | 857    | 963    | 952    | 1.170  | 1.357  |
| ØD                              | mm   | 300    | 350    | 400    | 450    | 500    | 550    | 600    | 650    | 750    | 900    | 1.000  |
| E                               | mm   | 1.020  | 1.020  | 1.077  | 1.077  | 1.077  | 1.077  | 1.077  | 1.077  | 1.277  | 1.410  | 1.410  |
| E1                              | mm   | 1.090  | 1.086  | 1.245  | 1.314  | 1.445  | 1.565  | 1.514  | 1.660  | 1.489  | 1.913  | 1.913  |
| E2                              | mm   | 475    | 503    | 475    | 560    | 560    | 600    | 644    | 686    | 713    | 877    | 1.050  |
| Eç                              | DN   | 65     | 65     | 65     | 80     | 80     | 100    | 100    | 100    | 125    | 150    | 150    |
| Eg                              | DN   | 65     | 65     | 65     | 80     | 80     | 100    | 100    | 100    | 125    | 150    | 150    |
| Water Outlet (a)                | DN   | 125    | 125    | 150    | 150    | 200    | 200    | 250    | 250    | 300    | 300    | 300    |
| Water Inlet (b)                 | DN   | 125    | 125    | 150    | 150    | 200    | 200    | 250    | 250    | 300    | 300    | 300    |
| Safety Valve (c) @ 6 bar        | DN   | 40     | 40     | 50     | 65     | 65     | 65     | 65     | 80     | 80     | 100    | 125    |
| Boiler Drain (d)                | inç  | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| Flue Water Discharge Outlet (e) | inç  | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" |
| Economizer Water Flow Rate      | m³/h | 15     | 19     | 23     | 30     | 30     | 36     | 41     | 52     | 62     | 103    | 129    |
| Counter Pressure                | mbar | 4,5    | 4,5    | 4,5    | 4,8    | 4,8    | 5      | 5      | 5,2    | 5,2    | 5,2    | 5,2    |