

EC733

Single Chimneys

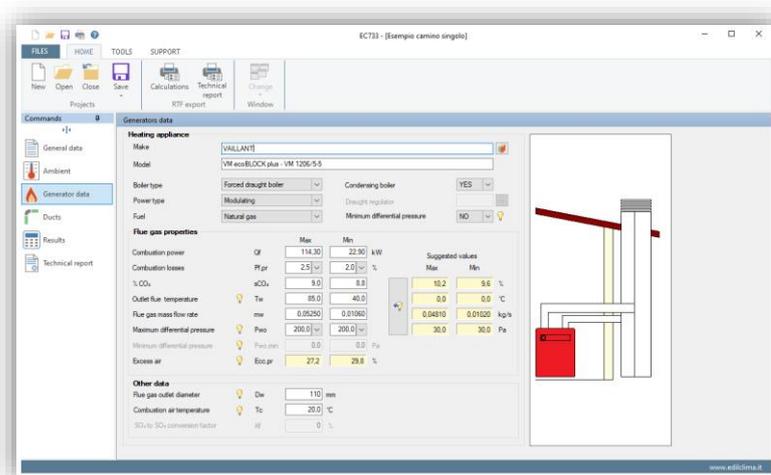
Release 5

The EC733 software, which complies with the UNI EN 13384-1 standard, allows the user to design and verify the correct construction of a single chimney attached to a heating appliance (either condensing or traditional), an open chimney, a combustion engine or a kitchen hood.

Features

The software performs the dimensioning calculation of single chimneys serviced by a single appliance, according to the methods of the UNI EN 13384-1 standard, and allows the management of:

- appliances with powers between 1 and 1.000.000 kW;
- appliances with liquid, solid and gaseous fuels;
- appliances with atmospheric, pressurised or forced functioning;
- kitchen hood functioning both in negative and positive pressure;
- presence of any pressure regulators at the base of the chimney;
- possible presence of a fume extractor on the chimney or a fan on the smoke duct;
- presence of chimney pot with different thermal characteristics from the rest of the chimney;
- simple or concentric flue-gas conduit (and flue pipes);
- flue-gas conduit (and flue pipes) of circular, square, rectangular or elliptical shape;
- calculation of combustion air resistance;
- calculation of ducts thermal resistance;
- sizing of negative and positive pressure ducts;
- detailed display of main calculation results;
- possibility of performing the calculation by evaluating several duct sizes simultaneously;
- possibility of producing an outline technical report of the system.



Prints

The calculation results are exported in .RTF format, so that they can be edited by the user, who can then make additions and/or customisations to the documents before proceeding to the final printout.

If completed, it is also possible to export, also in .RTF format, the previously compiled outline technical report.

Archives

The following archives complement the program:

- **Companies** archive
- **Generators** archive (divided into Edilclima and user and common to all Edilclima software)
- **Flue-pipes** archive and **Chimney** archive, where the user can save conformations and specific data of every duct
- **Italian Municipalities** archive, from where the user can automatically acquire altitude and outside project temperature