

EC732

Collective chimneys

Release 5

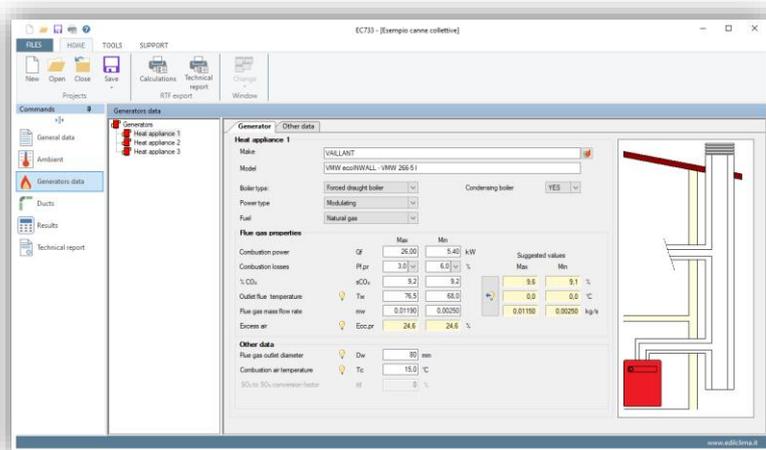
The module **EC732 Collective chimneys**, only works in conjunction with the software EC733 Single chimneys.

The EC732 module makes it possible to design and verify the correct realisation of a chimney serviced by several heat generators (or kitchen hoods) placed on several floors, both in accordance with the UNI EN 13384-2 standard and with the UNI 10640 and UNI 10641 standards.

Characteristics

The module performs the dimensioning calculation of collective chimneys, according to the methods of the UNI EN 13384-2 and UNI 10641, the branch ducts according to the methods of the UNI10640 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;
- possible presence of a fume extractor on the chimney pot;
- presence of a 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;
- collective chimneys and branched collective pipes (Shunt type);
- 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