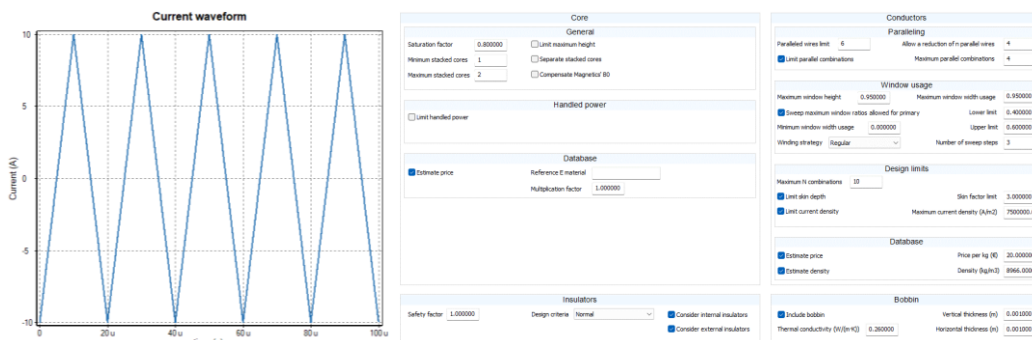


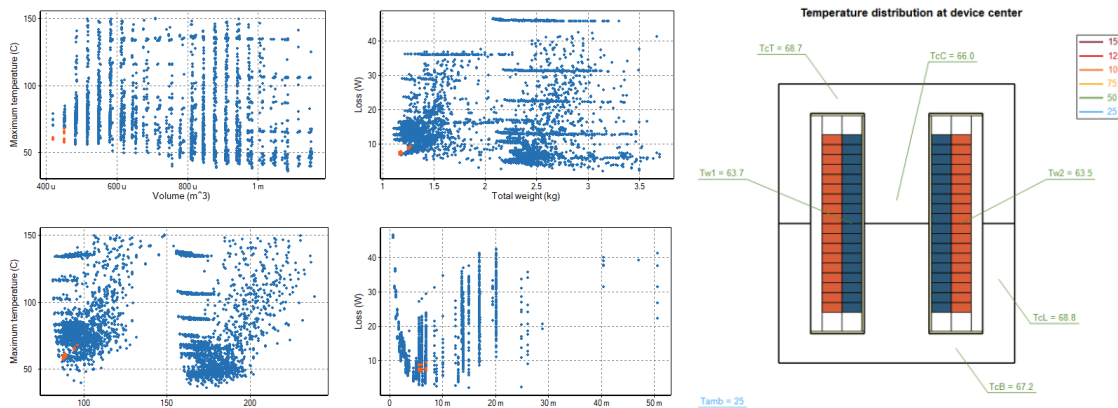
A single magnetic design tool for experts and newcomers

Speed up your magnetic design in 3 steps

1 Enter the minimum required data or manually adjust every parameter

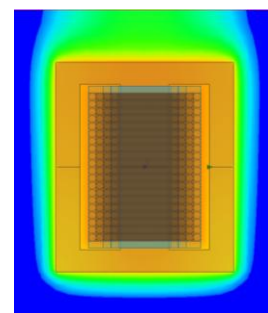
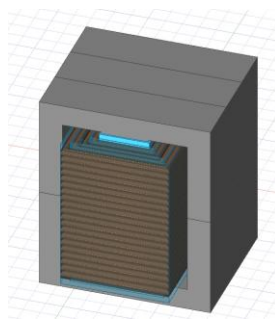


2 Select the device that best suits your needs



3 Get detailed results and automatically export to FEA tools

Parameter	Units	Value
Magnetizing inductance referred to primary	<i>mH</i>	9.34
Primary leakage inductance	<i>nH</i>	458
Secondary leakage inductance	<i>nH</i>	577
Secondary leakage inductance (referred to primary)	<i>nH</i>	577
Effective current at primary side	<i>A</i>	5.77
Current density at primary side	<i>A/mm²</i>	0.463
Effective current at secondary side	<i>A</i>	5.77
Current density at secondary side	<i>A/mm²</i>	0.463
Primary winding DC resistance	<i>mΩ</i>	7.54
Secondary winding DC resistance	<i>mΩ</i>	9.5
Primary winding loss	<i>mW</i>	285
Secondary winding loss	<i>mW</i>	359
B peak	<i>mT</i>	35.9
Core loss	<i>W</i>	1.02
Primary winding weight	<i>kg</i>	0.807
Secondary winding weight	<i>kg</i>	1.02
Core weight	<i>kg</i>	3.02
Total weight	<i>kg</i>	4.85



Versatile

A single design tool for experts and non-experts

Adaptable

Multi-objective optimization

In-depth

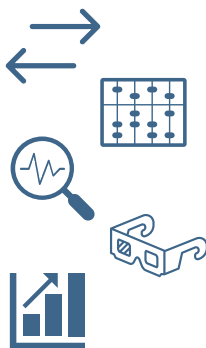
Not a black-box design. Provides full information of the device

Precise

Automatic 3D and 2D model generation for FEA tools

Scalable

From low to high power magnetics in a single tool



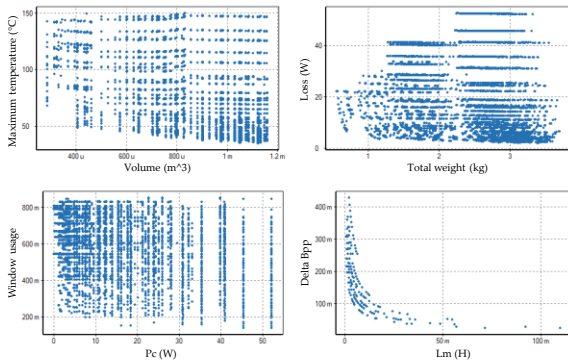
For every user

If you are an expert magnetic designer: tweak every design parameter to fit your needs.

If you are new to magnetic design or are in a hurry: Let the tool decide everything for you!

Powerful intuitive interface

The tool allows the selection of up to 8 figures of merit at the same time to achieve the device with the best performance for any application.

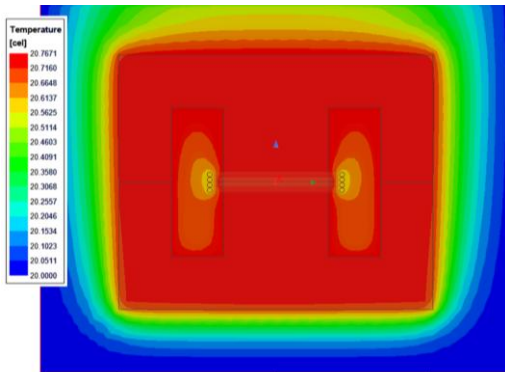


You can achieve the smallest, the lightest the cheapest or the most efficient device or any trade-off between any figure of merit. Select the device that best fits your needs!

Temperature distribution

The temperature distribution in core, windings and insulation is included in the model, to ensure the selected device will be able to work within imposed limits. Natural and forced convection are available.

The temperature can also be verified in Ansys-Icepak thanks to the automatic export options.



State-of-the-art models

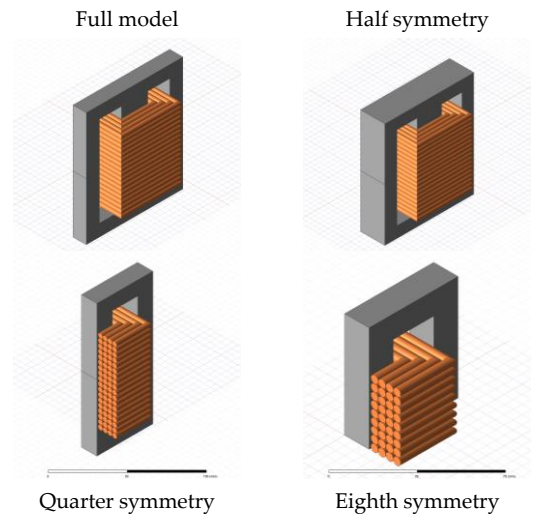
The use of state-of-the-art models for inductance, losses and temperature allows a fast and accurate comparison of every design possibility.

Accurately design thousands of devices before performing a FEM simulation of the desired one.

Optimized accurate simulations

The 3D model accurately represents real wires, allowing a realistic simulation of electric and magnetic fields and temperature distribution.

Symmetries are considered to save simulation time and resources while maintaining a high accuracy.



Report

Automatically generate a high-resolution pdf report with everything you need: performance indicators, materials to buy, manufacturing parameters, inputs used, etc.

You can even configure what to include and personalize it with your own logos and comments.



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