

SPEED[®]

Sizing & Preliminary Design of Electric Motors

SPEED[®] software is dedicated to the sizing and performance calculation of electric motors and their drives. Due to a tremendous amount of tools, motor design with SPEED is interactive and fast.

SPEED is intended for:

- Sizing and preliminary design,
- Studying the performance,
- Quickly assessing the effects of parameters change,
- Various motor types.

Various motor types

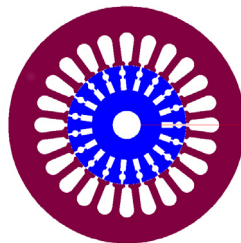
SPEED software is available for 4 different types of motors:

WEB LINKS

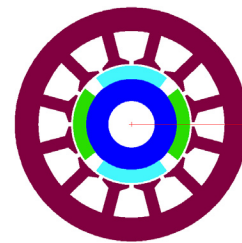
Sizing and preliminary design

Studies of motor performance

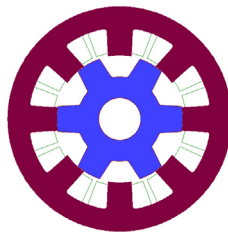
Effects of parameters



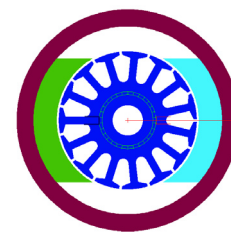
AC Induction motor-polyphase and split-phase



Brushless PM motor



Switched reluctance motor

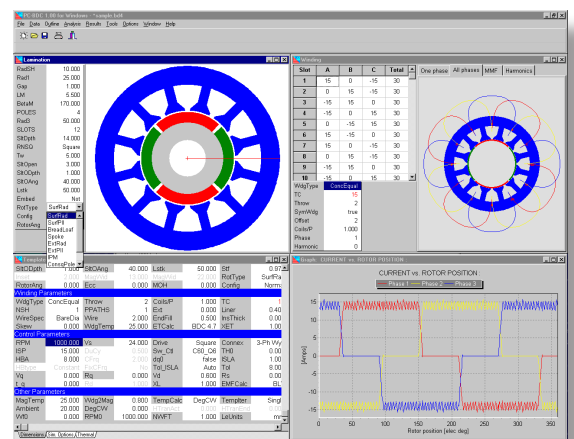


PM DC commutator motor

Tools and features

SPEED offers numerous tools and features to help the user to design the motor such as:

- Graphical outline editor for shaping and sizing the lamination and axial dimensions,
- Template editor for non geometric parameters,
- Winding editor including airgap MMF distribution,
- Complete library for rotor types, slots and bars shapes, winding scheme, drive.
- Material database including B(H) characteristics, losses,
- Graphical and numerical output: graphs, output sheets, equivalent circuit for induction machine,
- Automation and scripting possibilities (MATLAB, Microsoft VBA, Borland Delphi ...).



Tiled window including outline, template and winding editors, as well as simulation graphs.



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