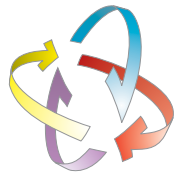


Servo Motor Editor



20-sim

The power in modeling

Servo Motor Editor

The 20-sim Servo Motor Editor is a program that helps engineers to choose the proper servo motor for any electromechanical system:

- Brush DC (Iron Armature Motor, Hollow Rotor Motor, Disc Armature Motor)
- Brushless DC (block commutation)
- AC synchronous (sine commutation)
- AC synchronous linear (sine commutation)

In cooperation with motor manufacturers, motor data tables have been created for the Servo Motor Editor. The performance of every motor can be shown by the torque speed curve.

The Servo Motor Editor can generate dynamic models for the simulation program 20-sim. These models include thermal effects of the coils and housing, electrical losses through dissipation, magnetic losses through hysteresis, eddy currents and cogging.

Any engineer involved in the design of electromechanical machines can benefit from the Servo Motor Editor. Precious time and money can be saved by finding the optimal servo motor in a few minutes, without risking overheating or underpowering.

Features

- Predefined motor data tables.
- Add your own motors to the data table.
- Quick search by multiple parameters.
- Torque-Speed curves with: line of maximum current, maximum torque, maximum voltage, maximum speed, maximum power, maximum efficiency and maximum power output.
- Safe Operating Area, Desired Operating Area.
- Generate dynamic models for the simulation program 20-sim.

Application Areas

- Control Design
- Industrial Equipment and Machinery
- Precision Engineering
- Simulation
- Utilities and Energy
- Vibration Analysis and Control

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