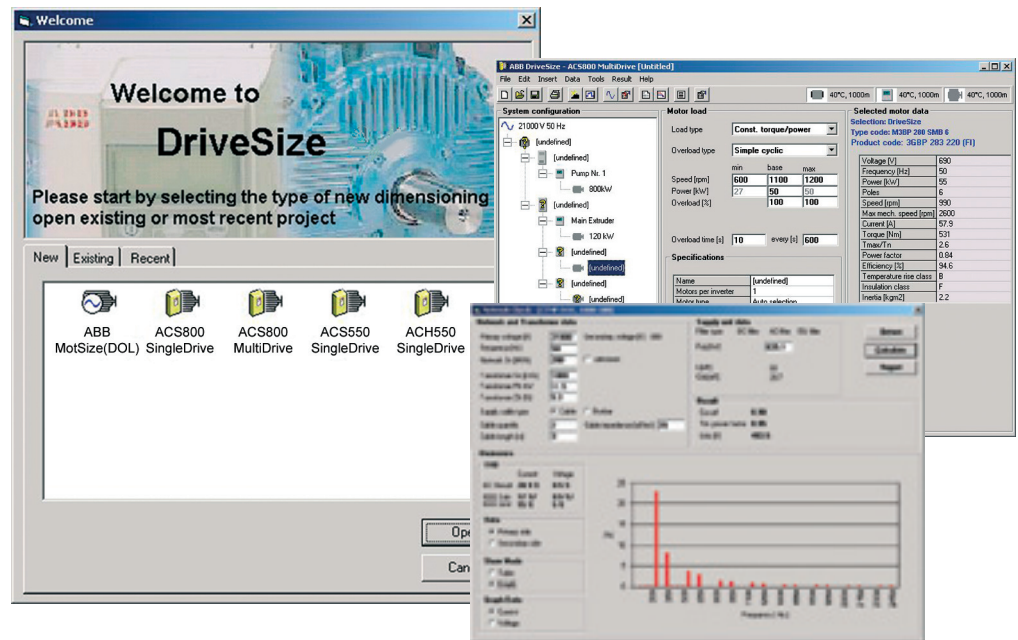


DriveSize

for dimensioning motors and drives



Quality dimensioning

DriveSize is a PC software for helping the user to select an optimal motor, frequency converter and transformer, especially for those cases where straightforward selection from catalogue is not possible. Additionally it can be used to compute currents, network harmonics and to create documents about the dimensioning based on actual load. DriveSize contains a current version of ABB motor and frequency converter catalogues and it allows importation of own motor database too. The default values make DriveSize simple to use, but the user is provided with ample options for drive selection. The shortcut keys make drive selection easy while still honouring the relatively complicated rules.

DriveSize is for three-phase drive system components

- Standard, customized, Ex, PM and user defined motors
- ABB standard drives
- ACS550
- ACH550 for HVAC
- ABB industrial drives
- ACS800 single drive
- ACS800 multidrive
- ACS800 drives for marine
- Transformers

DriveSize functions and features

The software performs dimensioning based on the following input:

- Speed range and mechanical load with overloads
- Ambient temperature and altitude
- Required IP-class and allowed temperature rise
- Supply network characteristics
- Load type and duty cycle
- Optionally current requirements for inverter unit
- Optionally power requirements for line supply unit
- Apparent power requirement for the transform

The software enables you to:

- Calculate the network harmonics of individual drive or set of drives
- Obtain efficiency values
- See your selection in graphical or numeric form
- Select manually an optional unit from database
- Print reports in Excel
- Save the results into XML project files
- Import your own motor database

Benefits

- Select an optimal motor, frequency converter and transformer
- Dimensioning based on actual shaft load
- Documents dimensioning results, graphical and numerical presentation
- Network harmonic and power factor calculation
- Print and save the results

