Parameter Estimation

Production Description

The ETAP Parameter Estimation program calculates equivalent circuit model parameters for machines at starting condition. The calculation is based on an advanced mathematical estimation and curve fitting technique, which requires only the machine performance characteristic data. The estimated model together with its parameters can be used to represent the machine dynamics during motor starting and transient stability studies. Estimated curves are automatically updated into the corresponding motor. Additional motor characteristic and nameplate parameters are automatically calculated based upon the estimated model.

Key Features

Machine Equivalent Circuits
Single Cage Models with Deep-Bar Effects
Auto-Update Machine Editor
Automatically Recalculate Machine Characteristics

Flexible Operation

- Locked-rotor current, power factor, & torque
- Full load power factor, efficiency, & rated slip
- Maximum torque

Plotting

- machine Model (with deep bar effect)
- Torque-slip
- Current-slip
- Power factor-slip
- Auto-update to machine editor

Reporting

- Export output reports to your favorite word processor
- Use Crystal Reports® for full color, customizable reports
- State-of-the-art graphic display of results
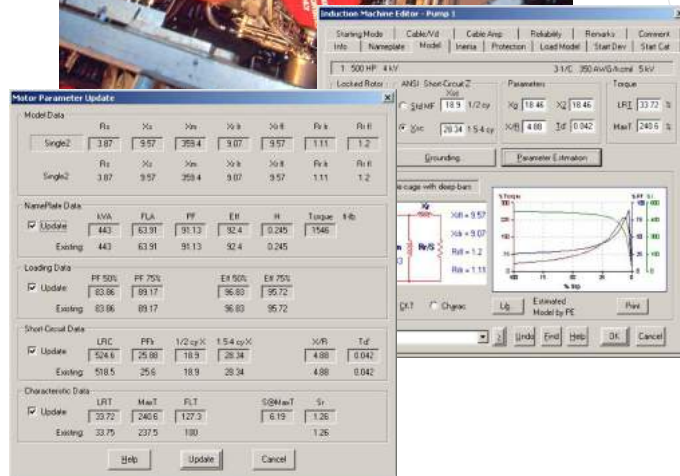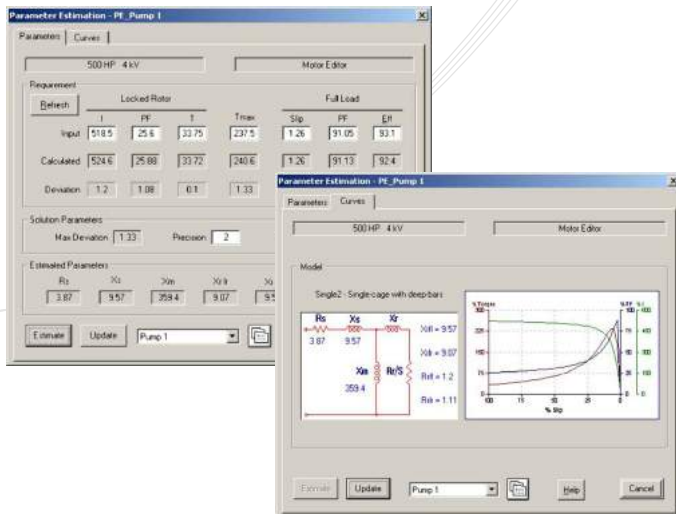
Estimate, Calculate Equivalent

Unlimited Buses* & Elements
No Voltage Limitations
No HP/kW Limitations
Graphical Display of Results
Customizable Font Types, Sizes, Styles, & Colors
Customizable Display of Ratings & Results
Automatic Error Checking
Dynamically Adjust Display of Results

*Maximum number of energized buses during calculations is license dependent.

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