

■ Electric Motor Testing: Product Testing and Performance Verification

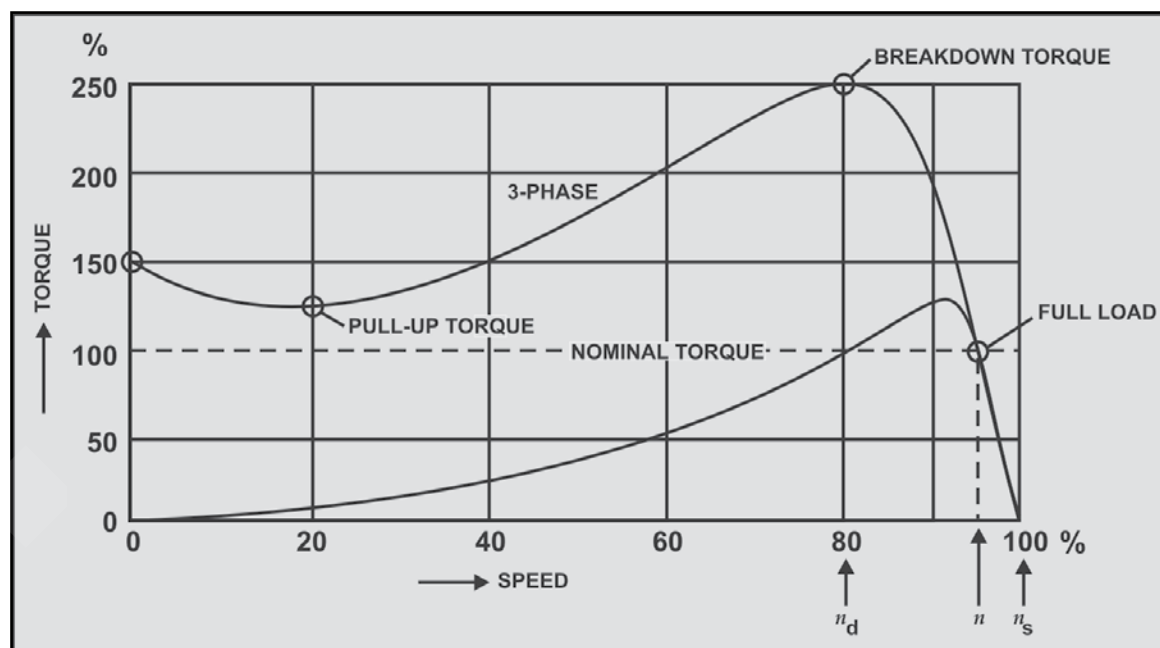
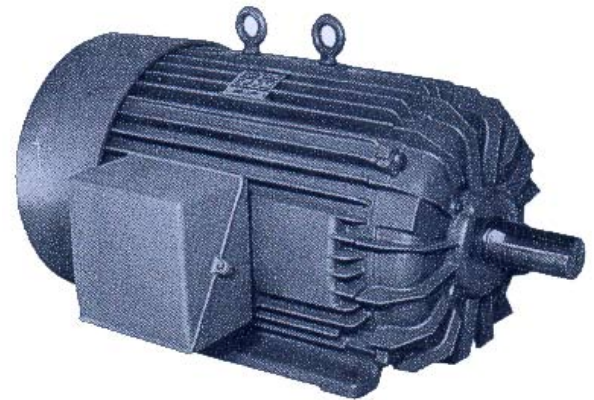
Highlights:

- AC or DC, single and multiphase motors
- Fractional and large horsepower motors
- Identifies faulty motors based on 'High Potential', 'Minimum Start Voltage', 'Pull-up Torque' and 'No-load' Tests
- Automatic pass-fail analysis and reporting
- Menu driven nameplate database for motor test parameters and limits
- User configurable data collection parameters
- Test data saved by date, catalog and cycle number

This system is configured for an electric motor manufacturer to ensure that each motor produced meets the required performance standards. The system can automatically perform a number of standard tests including high potential, no-load, minimum start voltage and pull-up torque, with other tests easily added.

Test limits for measured amps, volts, speed, torque and watts are read from a user defined "nameplate" data base for each motor type. The required tests are then run in sequence and pass/fail results are automatically presented. A data file for each motor is stored on disk in ASCII text format and can be imported into spreadsheet or other programs for future review.

Through a simple menu system, the operator can add or change any of the test parameters to accommodate different motor models. Other features include self-check and internal diagnostics for system and sensor verification.



Screen showing Electric Motor Torque Waveforms.

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