

## MOTOR-STARTING AUTO-TRANSFORMER



**QPS** series of Motor starting Auto -Transformer is specifically designed to limit the inrush current at the time of motor starting. It allows the motor to start at reduced voltage with moderate starting torque.

**QPS** motor starting Auto-transformers are typically designed with voltage taps of 50%, 60% and 75% of the rated voltage.

The motor is connected to the taps of the auto-transformer during the reduced voltage starting period. With lower starting voltage, less current is drawn by the motor, which therefore develops less torque than if it were connected to the line voltage.

Motor with auto-transformers provides a safe and effective start-up., and the design are compact, mechanical strong and price favourable.

Designed and tested according to EN61558 and IEC 60076, the motor starting auto-transformers can be supplied with temperature limiting switches and protective enclosure with relevant degree of protection upon request.

## TECHNICAL SPECIFICATIONS

### CAPACITY

- Up to 1500kW

### TAPPING

- Single tapping @ 70%
- Three tapping @ 50%, 60% and 75%

### RESTART FREQUENCIES

- Maximum re-start frequencies of 8 times per hour @ 4 second per start
- Optional restart frequencies at appropriate intervals

### RATED VOLTAGE

- Up to 1000V

### RATED FREQUENCY

- 50Hertz or 60Hertz

### AMBIENT TEMPERATURE

- 40°C
- Others upon request

### INSULATION CLASSIFICATION

- Class F & H
- Others upon request

### REFERENCE STANDARD

- IEC 60076
- IEC 61558

### TRANSFORMER CORE MATERIAL

- High grade electrical steel

### WINDING CONDUCTORS

- Copper or Aluminium wire
- Copper or Aluminium foils

### OPTIONAL ACCESSORIES / DESIGN

- Enclosures up to IP54
- Temperature limiting switches