


Automatic Winding Machine WM 3100

 Made in Germany

Designed for use in series production and rewinding of electric motors and coils

- shortest setup times
- very simple data entry
- optimized ergonomic handling
- wide range of winding possibilities

Technical Data Automatic Winding Machine WM 3100

Performance data

- Winding speed 25 – 500 min⁻¹ infinitely variable
- Rated winding torque 80 Nm at speed 25 min⁻¹ to 175 min⁻¹, then decreasing linearly to 1/3
- Peak winding torque 150 Nm at speed 25 min⁻¹ to 175 min⁻¹, then decreasing linearly to 1/3

Working range

- for IEC frame sizes 56 - 225

Coil dimensions

- Coil-Ø 700 mm max.
- Enveloping circle 710 mm max. outer former edge
- Layering width 400 mm

Winding wire

- No. of parallel wires 8 wires 1.32 mm Ø at 700 mm winding diameter
- Wire entry height 1.000 mm

Machine dimensions

- Width 1600 mm
+ area for wire guide, wire monitoring and de-reeling device
- Depth 1200 mm
- Height 1490 mm
- Height with open cover 2400 mm
- Weight approx. 515 kg

Power supply

- Connection voltage 380 V- 480 V three-phase, selectable in 20 V steps, 50/60 Hz
- Connection power 3 kVA

Controls

- General Integrated graphical winding machine control, built-in flash fixed storage device, TFT-display, keyboard nomenclature according to country, programs for standard formers pre-stored in software, data base for motor data, backup on USB-stick, easy graphical creation of custom former shapes and special programs without programming knowledge, feasibility check of data entries
- Number of winding counters unlimited
- Number of turns 0 - 99999
- Braking fully automatic
- Wire guide depending on wire diameter

Special accessories

- Automatic opening of the protective cover (manual closing)
- Device for insulation sleeving insertion
- Individual wire monitoring for any number of parallel wires
- Adapter mandrels WD10 and formers 3/12 for the smallest motor coils
- Three-slot-formers 3/16
- Four-slot-formers 4/11 and 4/24
- Reinforced adapter mandrels for winding without requiring front support
- Manufacturing of special formers according to drawing or sample
- De-reeling and storage units of various types

Manufacturer

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