

## MODEL C08-5400

Calender used for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting

### 1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter: 800 mm (31,49”).
- 1.2. Width: 5.400 mm (212,60”).
- 1.3. Working Width: 5.200 mm (204,72”).

### 2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1. The cylinder is heated by resistors (heating element) in a vacuum sealed oil bath, in complete absence of air and pressure. MONTI ANTONIO S.p.A system.
- 2.2. The temperature of the cylinder is set by a touch screen and regulated by an electronic sheet. The temperature control is equipped with temperature alarm system and a limitation system of maximum temperature (230 °C).

### 3. TENSION CONTROLS:

3.1. Tension control for printing material:

- Entry: axial unwinding with disk brake with pneumatic adjustment and fabric manual brake.
- Exit: double roll tangential winding, with possibility of soft or hard winding by transmission management, control by potentiometer.

3.2. Tension control for printing paper:

- Entry: axial unwinding with disk brake with pneumatic adjustment.
- Exit: axial winding with independent motor, adjustable by touch-screen.

3.3. Tension control for protection paper:

- Entry: axial unwinding with disk brake with pneumatic adjustment.
- Exit: axial winding with independent motor, adjustable by potentiometer.

### 4. OTHER DEVICES INTO MACHINE:

- 4.1. Independent motors with an electronic synchronization system.
- 4.2. NOMEX felt with pneumatic tension adjustment system and felt-centring device by means of motorized electric linear actuator.
- 4.3. Incorporated system for felt protection in case of black out and/or compressed air lack.
- 4.4. Multifunctional electronic meter-counter, with alarm to predetermine the length of production runs.
- 4.5. Temperature cooling system for printed fabric exit, complete with fan.
- 4.6. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
- 4.7. Front touch-screen keyboard for production data access and programming.
- 4.8. Pneumatic movable paper separator.

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### 5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 400 mm (15,75").
- Fabric roll diameter in exit 400 mm (15,75").
- Printing paper roll diameter in entry 300 mm (11,81") - Larger diameters on request.
- Printing paper roll diameter in exit 300 mm (11,81") - Larger diameters on request.
- Protection paper roll diameter in entry 500 mm (19,68").
- Protection paper roll diameter in exit 500 mm (19,68").

### 6. TECHNICAL DATA:

- 6.1. Installed power: 139,5 kW
- 6.2. Average electric consumption: 93,2 kWh
- 6.3. Power in ECONOMY MODE: 95,5 kW
- 6.4. Compressed air pressure: 6-8 bar
- 6.5. Mechanic speed: 1 ÷ 15 m/min
- 6.6. Overall dimensions: width 7.150 mm (281,50"). length 3.080mm (121,26"). height 2.400 mm (94,49").
- 6.7. Net weight: 16.200 kg
- 6.8. Machine produced according to CE rules
- 6.9. Customs tariff: 84 51 80 30

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