

GTC111-3500

Dye sublimation and fixation calender

The GTC111-3500 calender can be used for both dye-sublimation transfer printing (paper to textile) and for dye fixation of direct printed disperse dyes or curing of pigments. With sharp edge definition, high processing speeds, less waste and fewer re-prints, this calender is designed for maximizing your profitability.

The machine is optimised for ease of operation. The position of the textile and papers rolls are well accessible. Tension control for the papers is set by air pressure. Winding of the textile is done on a low tension contact winder, which provides uniformity from the first to the last meter and makes it suitable for all kind of PES textiles. This winder also allows a swift removal of the printed roll without the need for exchanging a shaft!

It is a typical Klieverik; robust design offering a long life time at low operating cost, the best oil-based heating system for very high temperature consistence and an ingenious belt tracking system for first time right production.

- > Brilliant colours
- > High print definition
- > Reproducibility

Transfer printing calender for roll-to-roll transfer printing or fixating of direct printed textile. Working width 3200 mm. The drum is electrically heated with oil as the carrier medium for the highest quality print and reproducible products. The calender is designed for an ergonomic operation.

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Transfer printing calender

Technical specifications.

Dimensions / weight

Machine width	4656 mm/183.2"
Machine length	1524 mm/60"
Machine height	1502 mm/59.1" ±
Machine weight	4500 kg

Diameter / width

Heating cylinder diameter	500 mm/19.7"
Maximum working width	3200 mm/125.9"
Substrate unwind diameter	300 mm/11.8"
Substrate rewind diameter	300 mm/11.8"
Maximum transfer paper width	3220 mm/125.9"
Transfer paper unwind diameter	250 mm/9.8"
Transfer paper rewind diameter	250 mm/9.8"
Maximum protective paper width	3320 mm/126.8"
Protective paper unwind diameter	400 mm/15.8"
Protective paper rewind diameter	250 mm/9.8"
Internal core diameter	76 mm/3"

Blanket

Printing blanket width	3400 mm/133.9"
Printing blanket length	5000 mm/196.9"
Printing blanket thickness	7 mm/0.28"
Arc of contact blanket-cylinder	275°

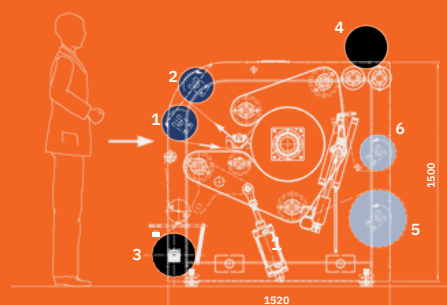
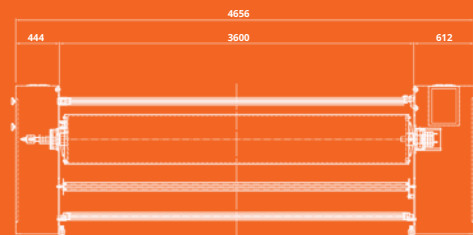
Temperature / speed / air / pressure / oil

Maximum temperature	240°C
Mechanical speed	0.4-5 m/min
Linear speed (30 sec.dwell)	2.50 m/min
Air consumption	0.6 Nm ³ /hr
Air	6 bar max./G 1/4"
Oil capacity heating cylinder	350 l.

Electrical information

Total installed power kVa	62 kVA
Amps req at 400 VAC input (nom.)	93 Amp.
Total power	61 kW
Power heating	60 kW
Voltage	400 V
Number of phases	3ph
Frequency	50/60 Hz

Layout



ROLL-TO-ROLL TRANSFER PRINTING

- 1 TRANSFER PAPER UNWIND
- 2 TRANSFER PAPER REWIND
- 3 TEXTILE UNWIND
- 4 TEXTILE REWIND
- 5 PROTECTION PAPER UNWIND
- 6 PROTECTION PAPER REWIND

Would you like to know more
about the GTC111-3500 transfer
printing calender?
Please contact us:

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