# KLIEVERIK /GTC131-2000

Dye sublimation & fixation

## GTC131-2000

### Dye sublimation and fixation calender

The Klieverik GTC131-2000 is built with pride and precision, a versatile calender designed for both dye-sublimation transfer printing (paper to textile) and dye fixation of direct printed disperse dyes or pigment curing. With its sharp edge definition, high production speeds, and minimal waste, this calender lets you achieve outstanding results every single run. Reliable, efficient, and built to drive your profitability.

Ease of operation is at the heart of its design. Every roll position is easy to access and is precisely controlled by air pressure to ensure flawless quality from start to finish. The low-tension contact winder guarantees perfectly even winding on all PES textiles, while its smart, shaft-free design allows you to remove finished rolls quickly and effortlessly keeping your production flowing without interruptions.

True to our heritage as Proud Builders, the GTC131-2000 embodies the qualities Klieverik stands for: a robust, long-lasting construction, an advanced oil-heated drum for unmatched temperature consistency, and an ingenious belt tracking system for first-time-right production.
**Built to perform. Built to last. Built with pride.**

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

**This specific calender is purpose-built for high-speed, high-volume roll-to-roll textile production. With its optimized drive system and precise temperature control, the GTC131-2000 ensures stable operation and consistent results, even at maximum throughput. Designed for continuous performance, efficiency, and reliability in demanding production environments.**

# GTC131-2000

## Transfer printing calender

## Technical specifications.

### Dimensions / weight

| | |
|---|---|
| Machine width | 3410 mm/134,2" |
| Machine length | 1800 mm/70,8" |
| Machine height | 1700 mm/66,9" |
| Machine weight | ± 4500 kg |

### Diameter / width

| | |
|---|---|
| Heating cylinder diameter | 760 mm/29,9" |
| Maximum working width | 1800 mm/70,9" |
| Substrate unwind diameter | 300 mm/11,8" |
| Substrate rewind diameter | 300 mm/11,8" |
| Maximum transfer paper width | 1800 mm/70,9" |
| Transfer paper unwind diameter | 300 mm/11,8" |
| Transfer paper rewind diameter | 250 mm/9,8" |
| Maximum protective paper width | 1830 mm/72" |
| 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 | 2000 mm/78,7" |
| Printing blanket length | 5590 mm/220,1" |
| Printing blanket thickness | 6 mm/0,24" |
| Arc of contact blanket-cylinder | 270° |

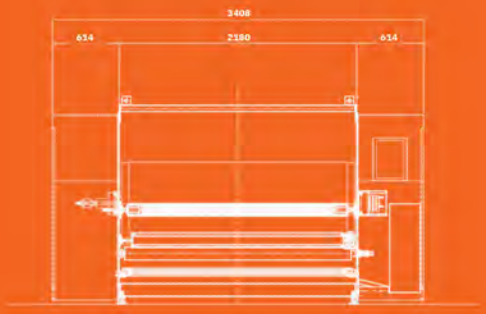
### Temperature / speed / air / pressure / oil

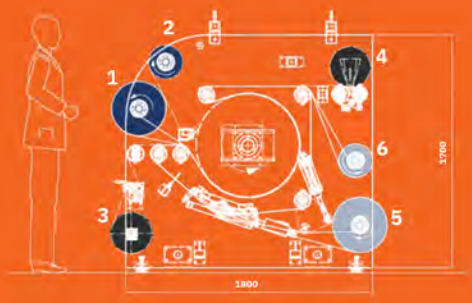
| | |
|---|---|
| Maximum temperature | 240°C/464°F |
| Mechanical speed | 0,5–8 m/min/1.64–26.25 ft/min |
| Linear speed (30 sec. dwell) | 3.6 m/min/13.1 ft/min |
| Air consumption | 0,6 Nm3/hr |
| Air | 6 bar max./G 1/4" |
| Oil capacity heating cylinder | 400 l. |

### Electrical information

| | |
|---|---|
| Total installed power kVa | 50 kVA |
| Amps req at 400 V | 76 Amp |
| Power heating | 45 kW |
| Power main drive | 1.5 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 GTC131-2000
transfer printing calender?
Please contact us:

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