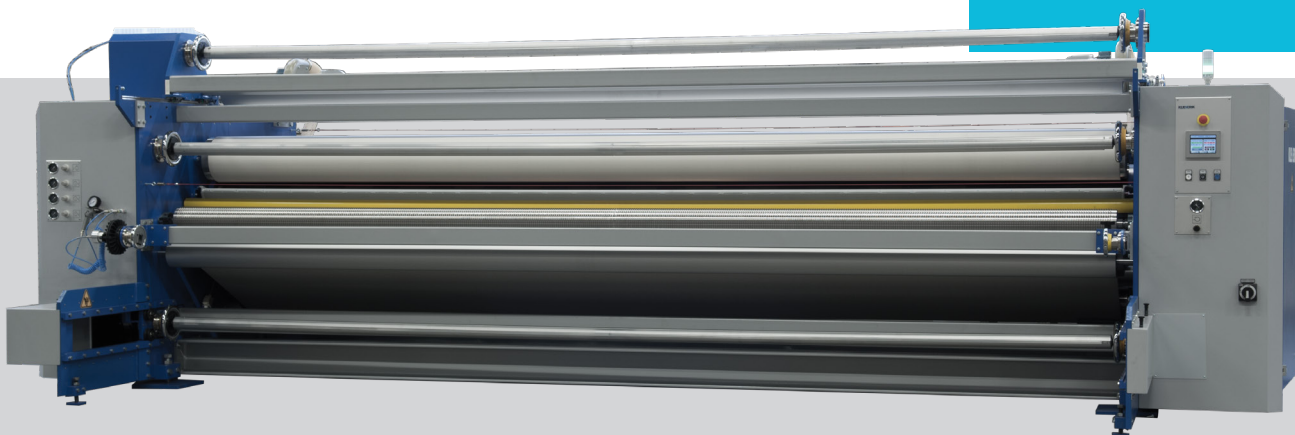# KLIEVERIK

GTC111-5400

EXTRA LARGE FORMAT PRINTING

5 Meter wide calender with ergonomic lay-out for ease of handling wide formats. Once the protection paper for the drum has been threaded, feeding the protection paper for the belt and of course the textile is becoming so easy. The wide opening to the drum creates a good accessible machine, whilst the drum is far enough away to prevent danger to the operator. Once fed into the machine, paper and textile are automatically transported to the back of the machine, where it can be winded at a proper working height. Optionally, a modification kit can be offered to enable transfer printing up to 3,2m width.

The Klieverik GTC111-5400 fixation calender offers the well proven Klieverik oil based heating drum in combination with a well thought through ergonomic design for 5 meter wide textile and protection paper.

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 consistency and an ingenious belt tracking system for first time right production.

▸ Brilliant colours

▸ High print definition

▸ Reproducibility

KLIEVERIK.COM

Best consistency, ergonomic design.

GTC111-5400

GTC111-5400 FIXATION CALENDER

Belt calender for roll-to-roll fixation of direct printed textile. Working width 5100 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. The drum protection paper rewind position can be moved for easy access and automatic transport of the fabric to the back of the machine.

CHARACTERISTICS:
- Roller width 5400 mm, working width 5100 mm
- Drum diameter 500 mm
- Mechanical speed 0,4 - 5 m/min
- Textile unwind with low tension, suitable for the air shaft of the printer, also adaptable for narrow width shafts (excluding shaft)
- Driven spiral roller
- Low tension contact winder for textile roll
- Protection paper unwind and winding position for belt protection incl. tensioning device and shaft. Movable unwind position for easy loading.
- Protection paper unwind and winding position for the drum incl. tensioning device and shaft. The rewind position is moved to the front of the machine for easy threading and attaching of the paper and is retracted during production. The setup ensures an automatic transport of the textile out of the calender to the back of the machine.
- Long and high quality Nomex belt
- Stable belt guiding system to prevent movement of the material
- Pneumatic brakes
- Air cooling of the textile
- Touch screen operation, colour touch screen panel for enhanced machine operation and remote monitoring.

THE PANNEL OFFERS:
- Recipe creation, storage and retrieval for defined reproducible process settings
- Display of the significant selected parameters
- Remote monitoring from PC/Tablet or Smartphone via Internet connection
- Password protection/operator mode
- Cooling-down and start-up timer

TECHNICAL SPECIFICATIONS

DIMENSIONS / WEIGHT

Machine width	6930 mm/272,8"
Machine length	2470 mm/97,2"
Machihne height	2060 mm/81"
Machine weight	± 10000 kg

DIAMETER / WIDHT

Heating cylinder diameter	500 mm/19,7"
Maximum working width	5100 mm/200,8"
Substrate unwind diameter	400 mm/15,7"
Substrate rewind diameter	400 mm/15,7"
Maximum transfer paper width	-
Transfer paper unwind diameter	-
Transfer paper rewind diameter	-
Maximum protective paper width	5230 mm/205,9"
Protective paper unwind diameter	400 resp. 600mm/15,8"resp. 23,7"
Protective paper rewind diameter	400 mm/15,8"
Internal core diameter	76 mm/3"

BLANKET

Printing blanket width	5400 mm/212,6"
Printing blanket length	5620 mm/221,3"
Printing blanket thickness	7 mm/0,28"
Arc of contact blanket-cylinder	250⁰

TEMPERATURE/SPEED/AIR/PRESSURE/OIL

Maximum temperature	240⁰C
Mechinal speed	0,4-5 m/min
Air consumption	0,6 Nm3/hr
Air	6 bar max./G 1/4"
Maximum linear pressure	-
Oil capacity heating cylinder	750 l.

ELECTRICAL INFORMATION

Total installed power kVA	68 kVA
Amps required at 208/400/480 V	190/100/83 Amp.
Power heating	66 kW
E-consumption (estimate)	-
Power main drive	1,5 kW
Voltage	400 V
Number of phases	3ph
Frequency	50 Hz