



Vertex-1850 (T)

Multi-functional transfer printing calender

The Klieverik Vertex is built with pride as the perfect entry-level calender for efficient single-piece transfer printing, and roll-to-roll production. Compact yet powerful, it combines everything Klieverik stands for: an oil-heated drum for consistent high-quality results, a robust and durable design, and effortless ease of operation. With sharp edge definition, a compact footprint, and reliable performance, the Vertex offers the ideal start for professional textile printing.

Developed for ease of use and reliability, the Vertex is suitable for all types of PES textiles, with the T-version with high pressure roller extending its capabilities to pigment transfer onto natural fibers. Paper tension is controlled by air pressure for consistent results, while the state-of-the-art touchscreen provides intuitive operation and displays maintenance instructions when due, keeping your workflow smooth and efficient.

As Proud Builders, we've engineered the Vertex with the same care and precision as every Klieverik machine. Its solid construction ensures a long lifetime at low operating cost, supported by our renowned oil-based heating system for unmatched temperature stability 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

VERTEX-1850T

Choose the Vertex-1850 T-version for high-quality printing on natural fibers. Specially designed for the Mimaki TRAPIS system and Coldenhove Texcol® paper, it features an extra pressure roller for perfect pigment transfer onto cotton and other natural fabrics. This T-version combines Klieverik's proven oil-heated drum with sustainable, water-free technology for vibrant, reliable results on both synthetic and natural textiles.

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Technical specifications.

Dimensions / weight

Machine width	2688 mm/105.8"
Machine length	1393 mm/54.8"
Machine height	1400 mm/55.1"
Machine weight	± 1100 kg/2400 lb

Diameter / width

Heating cylinder diameter	195 mm/7.7"
Maximum working width	1650 mm/64.9"
Substrate unwind diameter	250 mm/9.8"
Substrate rewind diameter	250 mm/9.8"
Maximum transfer paper width	1650 mm/64.9"
Transfer paper unwind diameter	250 mm/9.8"
Transfer paper rewind diameter	250 mm/9.8"
Maximum protective paper width	1680 mm/66.1"
Protective paper unwind diameter	250 mm/9.8"
Protective paper rewind diameter	250 mm/9.8"
Internal core diameter	76 mm/3"

Table / fume extractor

Length infeed table	635 mm/25"
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T version

Pressure roller

Blanket

Printing blanket width	1800 mm/70.9"
Printing blanket length	2100 mm/82.7"
Printing blanket thickness	6 mm/0.24"
Arc of contact blanket-cylinder	198°

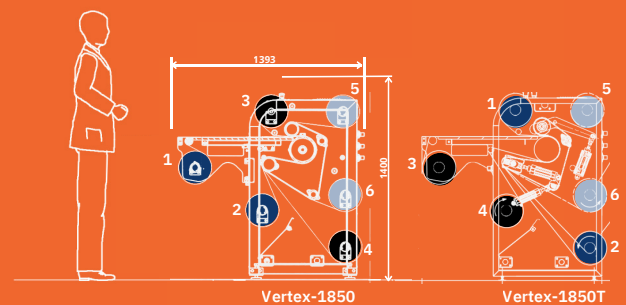
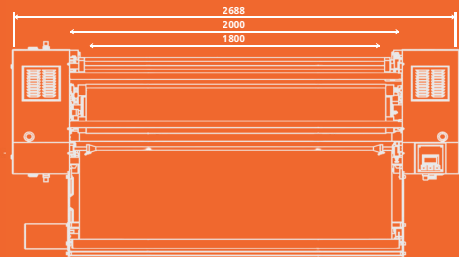
Temperature / speed / air / pressure / oil

Maximum temperature	220°C/428°F
Mechanical speed	0.2-1.0 m/min
Linear speed (30 sec. dwell)	0.6 m/min/1.97ft/min
Air consumption	0.1 Nm ³ /hr
Air	6 bar max./G 1/4"
Oil capacity heating cylinder	37 l.

Electrical information

	208 V	400 V
Total installed power kVA	10 kVA	10 kVA
Amps required at 208/400 V	26 Amp.	16 Amp.
Power heating	10 kW	10 kW
E-consumption (estimate)	9 kW	9 kW
Voltage	208 V	400 V
Number of phases	3ph/N	3ph/N
Frequency	50/60 Hz	50/60 Hz

Layout



SINGLE PIECE TRANSFER PRINTING & 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 VERTEX 1850(T) multi-
functional transfer printing calender?
Please contact us:

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