EPOCA 7 PRO G.
STEEL FRAME VERSION.

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TECHNICAL DATA.

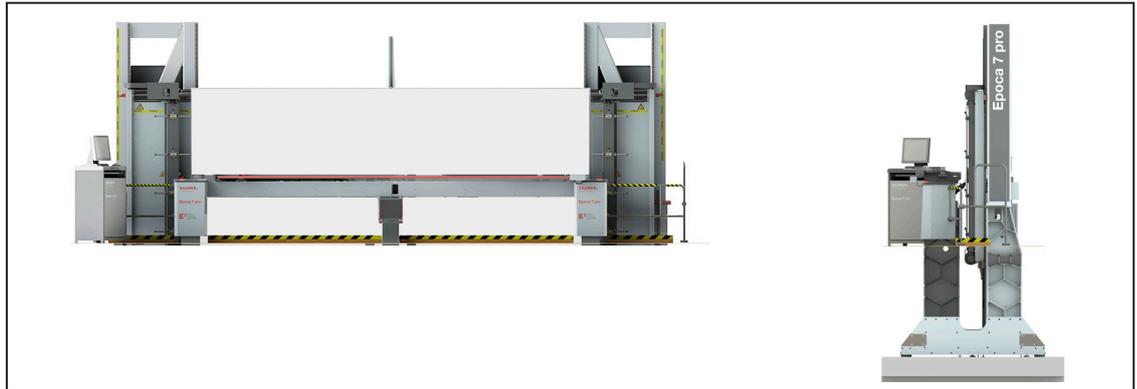| Machine types	PentaCut	automatic embroidering position selector with thread cutting device

	Functions:	- Unique electronically adjustable thread guide - Unique electronically adjustable fabric presser - User-optimised carriage width adjustment

	Options:	- Several roller cloth systems:
		  - with velcro strip (to sew on or with longitudinal tension rod);
		  - with cord or fish bone (to sew on)
		- Devices for fabric pull-through
		- PentaGuide: individual, automatic thread guide control
		- Cone carriers: 4/4, 8/4
		- Winding sensor
		- other embroidery lengths on request

Illustration

Specifications

Embroidery length	[yard] [m]		4.9 4.5	10.6 9.7	16.3 14.9	22.0 20.1	27.7 25.3	33.4 30.5
No. of embroidering positions			168	360	552	744	936	1128
Machine length	[m]		7.7	12.9	18.1	23.3	28.5	33.7
Fabric roller length	[m]		5.2	10.4	15.6	20.8	26.0	31.2
Net weight (approx.)	[t]		10.2	14.9	20.0	24.7	29.8	34.7
Maximum speed [1]	nominal	[1/min]	600	600	600	550 570 [2]	550	520
	fast strong	[1/min]				580 600 [3]		

1) The speed depends on the article to be manufactured, the yarns used and the operating conditions.
2) Higher number of revolutions only on Pentamat or PentaCut machines with a rapport of ≥ 8/4.
3) subject to release by Saurer Embroidery

SAURER.
Embroidery

EPOCA 7 PRO G.

Specifications

Embroidery height [4]		[mm]	1650
Machine height	from floor	[m]	4.4
	platform height	[m]	1.45 - 1.35
	operating height (depending on platform height)	[m]	0.95 - 1.05
Room height	minimum	[m]	4.9
	recommended	[m]	5.2
Machine width	net	[m]	1.40
	with platform	[m]	~2.5

4) Restriction for machines with thread cut and roller cloths with longitudinal tension rods: The thread cut can only be used 1 cm below the upper longitudinal tension rod and 10 cm above the lower longitudinal tension rod.

General technical data

Smallest needle repeat:
4/4 french inch = 27.07 mm

Lateral movement:
max. 116/4 repeat = 785 mm

Smallest stitch unit:
0.1 mm horizontally and vertically

Boring depth:
0 to 20 mm stepless
(= max. Ø 4.2 mm with borer 12%)

Fabric roller-Ø:
without cloth: 120 mm
wound with fabric: max. 134 mm

Spool sizes:
normal: Ø 50 x 85 mm
Cones: Ø 125 x 230 mm (4/4, with 6 rows)
Ø 125 x 230 mm (8/4, with 3 rows)

Shuttles:
Only Saurer "Silenzio"

Bobbin size:
43 $^{0/-0.2}$ x 14.7 $^{0/-0.2}$ mm

Max. acoustic pressure:
L_{eq} = 80.0 dB (A)
Measuring distance: distance to machine 1 m,
1.6 m above ground

Control system

Operation:
Colour monitor with multi touch screen, manual control unit, keyboard for wind-up, foot switch

Thread monitor:
Standard/Man.Pentamat: segmental monitoring
Pentamat/PentaCut: SmartMon (electronic thread monitor to monitor single embroidering position)

Data format:
Standard Highlevel Code (SHC)

Data interface:
LAN; USB

Connections

Electrical supply:
3 x 400 VAC +/- 10% + PE
50/60 Hz +/- 2%
A transformer (option) is necessary if the voltages deviate from the above! We recommend using an UPS for the entire company.
Overvoltage protection in accordance with our specifications is a prerequisite.

Back-up fuses:
32 A delayed action, 3-pin
(Cable cross-section min. 4 x 16 mm²)
If local regulations require the installation of RCDs (e.g. not necessary in Switzerland with direct connection), use a selective circuit breaker with a sensitivity of min. 600 mA that is pulse-power stable and inverter proof.

Compressed air (customer):
Compressed air supply 7 to 10 bar

For further specifications refer to document:
DS0.0168.E50