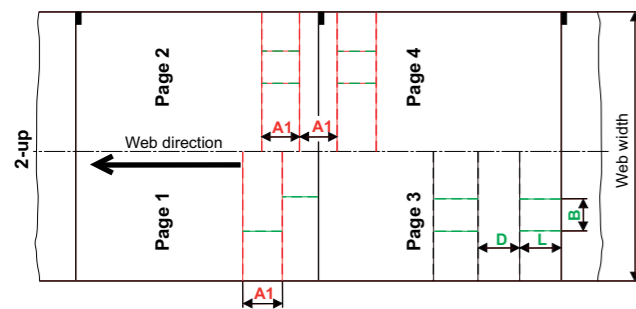


Perforation performance

	50 - 100 m/min	> 100 - 150 m/min
Cross perforation		
Perforation distance with upgrade to 4 blades	$A_{1,2} \geq 51 \text{ mm (2")}$	-
Perforation distance with 2 blades	$A_{1,2} \geq 102 \text{ mm (4")}$	$A_{1,2} \geq 102 \text{ mm (4")}$
Perforation distance with 2 perforation units	$A_3 \geq 3 \text{ mm (0.1")}$	$A_3 \geq 3 \text{ mm (0.1")}$
Vertical perforation (length perforation)		
Minimal vertical perforation (web direction)	$L \geq 30 \text{ mm}$	$L \geq 40 \text{ mm}$
Gap between vertical perforations	$D \geq 30 \text{ mm}$	$D \geq 40 \text{ mm}$
Distance between vertical perforation across the web (max. 8 perforation wheel holder)	$B \geq 25 \text{ mm}$	

One cross perforation units DP6-I (Standard)

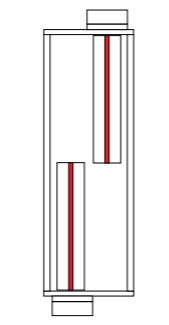


A1: Cross perforation unit 1

L: Vertical perforation length

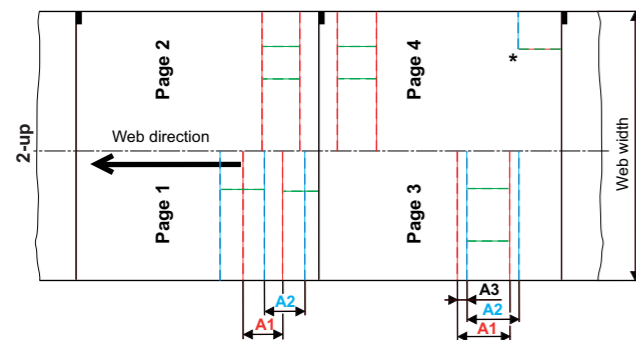
D: Gap between two vertical perforations

B: Distance between vertical perforations across the web



1 cross perforation unit

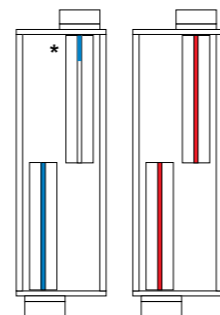
Two cross perforation units DP6-II (Perf-Profi)



A1: Cross perforation unit 1

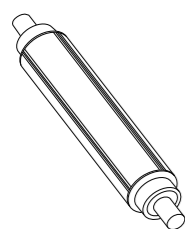
A2: Cross perforation unit 2

* Perforation blade can be modified individually



2 cross perforation unit

Perforation upgrade



2 perforation blades per cylinder (Standard)



4 perforation blades per cylinder (Upgrade, optional)

HUNKELER Print Online Paper Processing System - POPP

Dynamic Perforation Module DP6



Purpose

The dynamic perforation module DP6 creates precise cross and vertical perforations in the 2-up mode. The DP6 is mainly used for the transactional and transpromo printing. Deposit slips, coupons and reply cards can be produced individually without pre-processed paper.

Method of operation

The printed continuous paper web is fed into the DP6. Perforation patterns created by the user are transmitted via line PC to the module. The selected perforation pattern is activated via a print mark. If bar codes or data matrixes are used, several perforation images can be dynamically called up. The two cross perforation cylinders are used for the independent 2up perforation. Using the latest state-of-the-art drive technology, very short perforation distances can be obtained and therefore a variety of product layouts can be realized.

Special technical features

The parameters and adjustments can be set easily by means of the large color display. Perforation images are created and managed via the separate software "Perforation editor". The cross and vertical perforation unit can be adjusted laterally during operation. The longitudinal perforation wheels can be replaced easily. Cross perforation knives can be replaced within some minutes due to the patented clamping system. An interactive operator guidance assists the process. The modular concept allows an individual equipment of the DP6. Additional cross perforation units and longitudinal perforation knives can be included afterwards.



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Basic equipment

- Basic module with paper infeed and outfeed
- Operating panel with display for set-up and easy operation
- Casing with safety monitoring
- Automatic registering

Technical variants

- Operator side left or right
- Document control via top or bottom print mark, bar code or matrix reader ¹
- Bottom and/or top register print mark reader
- Paper transport:
Loose loop,
Tight web (with LC6)
Tensioned web (passive web transport)
- Speed levels: 50, 100 or 150 m/min

Optional equipment

- Vertical perforation unit
- Vertical perforation knives (max. 8 knives)
- Internal compressed air compressor for 2 or max. 4 vertical perforation knives
- External compressed air compressor for max. 8 vertical perforation knives
- Cross perforation units (max.2)
- Perforation upgrade for perforation distances (only available up to 100 m/min)
- Punching unit (**not yet available**)

¹ For 2up applications one reader is used per side. If the printing data are edited accordingly, a bar code or data matrix reader can be used for both side.

Technical data

Paper weight :	40–200 g/m ²
Web width	
– centered :	165–520 mm
– aligned to the left or to the right :	285–520 mm
Length of perforation blades :	2 x 254 mm
Speed :	10–150 m/min.
Format length :	5.5"–62"

Mains connection DP6-I /II :
3x400Vac; +/-10%; 3LNPE, 20AT or
3x208–240Vac; +/-10%; 3LPE, 30AT

Electric connection:		
DP6-I ²⁾	<u>3x400V</u>	<u>3x208V</u>
Rated current :	4 A	6 A
Effective power :	1.9 kW	1.3 kW
Apparent power :	2.34 kVA	2.64 kVA
Reactive power :	1.36 kVA	2.3 kVA

DP6-II ³⁾	<u>3x400V</u>	<u>3x208V</u>
Rated current :	6 A	8 A
Effective power :	2.5 kW	2.3 kW
Apparent power :	3.2 kVA	3 kVA
Reactive power :	1.95 kVA	1.92 kVA

Heat dissipation : 9000 BTU/h
9450 kJ/h

Weight	
DP6-I :	475 kg
DP6-II :	675 kg

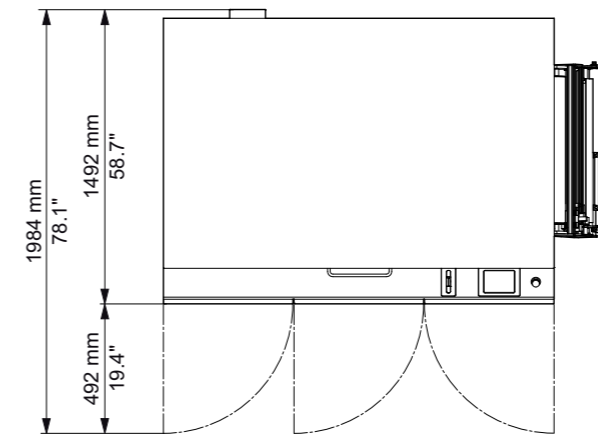
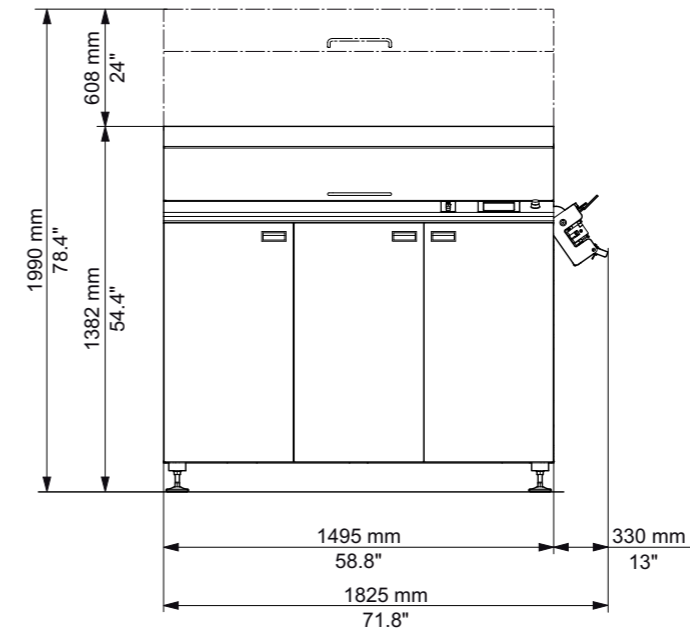
External compressed air connection
1-4 longitudinal perforation knives :30 l/min. 4bar
5-8 longitudinal perforation knives :60 l/min. 4bar

²⁾ DP6-I = 1 cross perforation unit

³⁾ DP6-II = 2 cross perforation units

All technical data subject to change

Operating side left-hand



Operating side right-hand

