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DynaPerf™

Selective Perforating unit (pinless, low tension)

General description

This perforating unit is designed to accept paper without line holes. The speed of the unit is controlled by a dancer. The paper then passes through the perforating section where the cross perforations and optionally vertical perforations are added. Each perforation is operated (thrown on or off) independently by reading an optical mark (OMR). The dual position perforation section is fitted with cylinders sizing from 11” to 17”, enabling position 1 to produce perforations on one side and position 2 to produce perforations on the other side independently. The horizontal perforating cylinders are either magnetic type for steel plates or conventional type accepts perforating blades, which are mounted in quick change holders. Vertical perforations for continuous perforation are being done in a separate position on the input side of the unit and can be fitted with any amount of perf wheels; for selective vertical perf we recommend to use magnetic plates.
Each horizontal perforation is controlled separately by reading marks in on the edge of the paper in a free field, please see the drawing.

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Specification

Min. web width	200 mm (8“)
Maximum Paper Width	520mm (20.5")
Operating speed	150 m/min (500 ftm)
Paper Weights	Coated and uncoated; 70 – 163 gr/m^2
Repeat length	11”–17”
Perforating tool	Etched steel plate (0.48mm) or perf blades
Register tolerance	≤ ±0,5 mm (±0,02”)
Input	Low Tension
Output	Tension less
Weight	980kg (2160.5lbs)
floor load	≤ 250 kg per pad (≤ 551,2 lbs per pad)
Power Supply	3x400/480VAC (+/- 5%); 25A, 50/60Hz; (3 phase, ground)
Speed Control	by dancer
Unit Dimension	1130 (44.5”) x 1560 (61.5”) x 1320mm (52”) (LxWxH)
Crate Size	1300 (51,2mm) x 1750 (68.9”) x 1500mm (59”)
power control cabinet	Integrated
Noise level	≤ 78 dB (A)
Ambient temperature	40-104°F (5-40ºC) @ 10-90% RH
Agency compliance	CE; UL; CSA
Compressed air	External, Min. 6.0 bar (87 psi)
Air Flow:	14lt/min (0.5 cfm)

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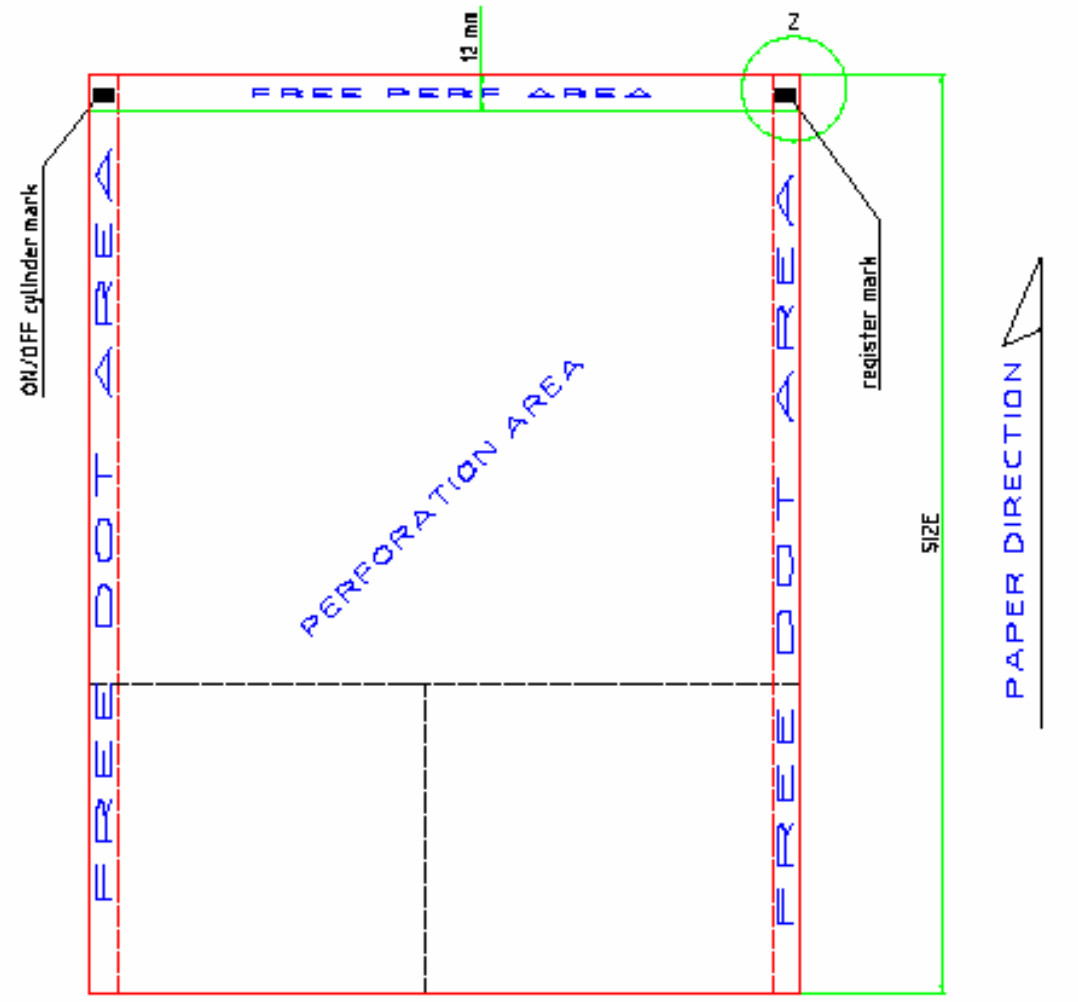
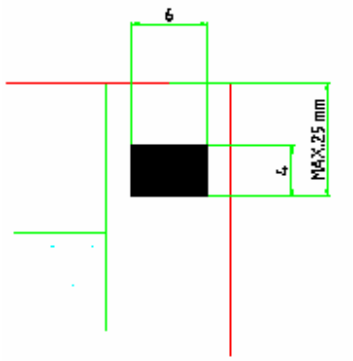
Perforation Layout



Cue Mark Specification



The cue marc must be placed on the head of the form in an area between 0mm to 25 mm of the edge. The marc must be placed on a free area and have a minimum dimension of **4 x 6mm**. Cross or length perforation can be done in any place except in the area of 12 mm from top of the form.

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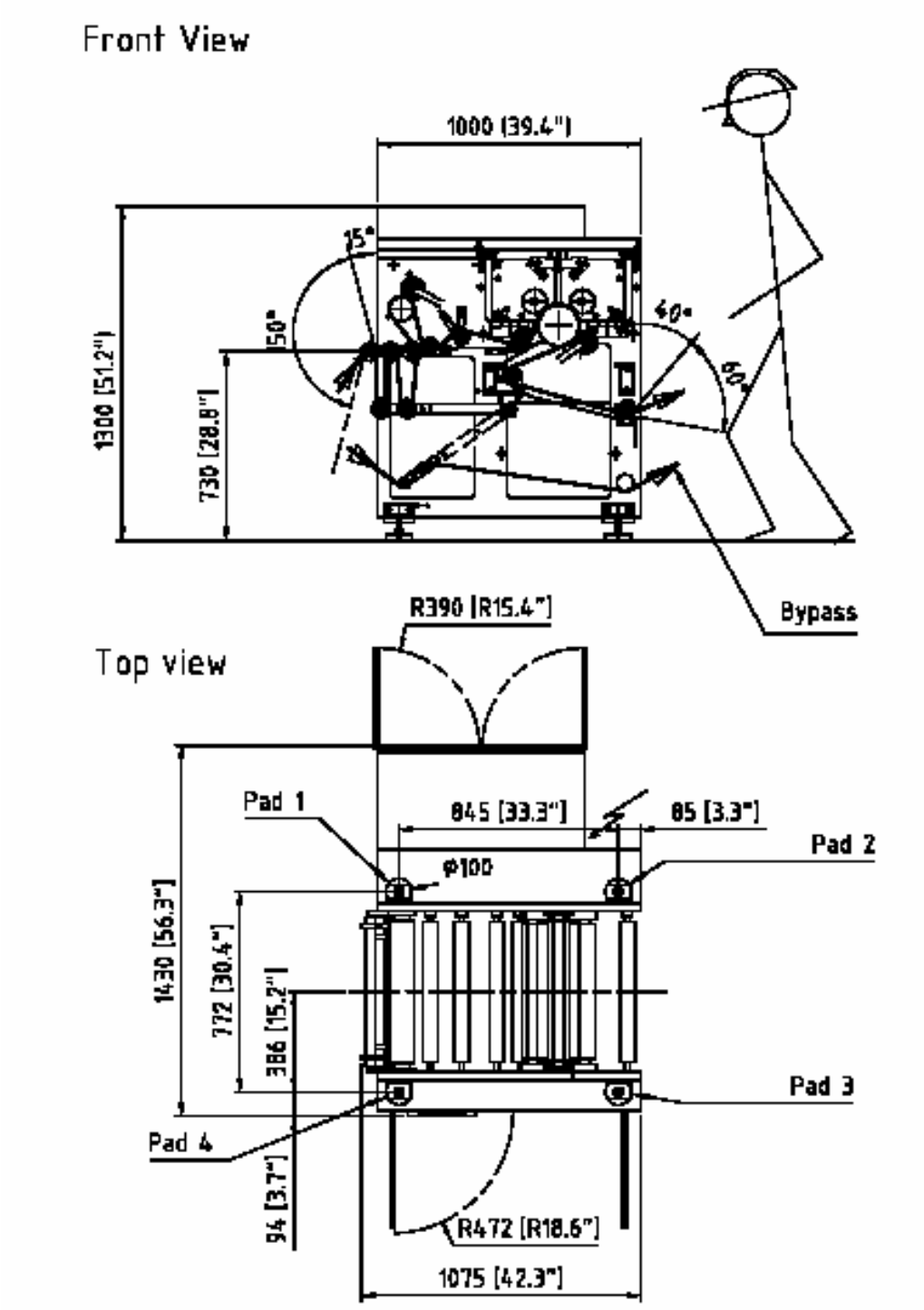
Pad Position and Service Area

Pad 1 – 4: each 250kg (551.2 lbs)



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