A-Series CP

Ink jet high speed numbering and personalisation

data sheet

DOMINO

A-Series CP Ink Jet Printers

Domino's versatile A-Series CP printers are designed to meet the stringent product specifications requested by the Commercial Printing markets, where reliability, greater flexibility, high quality and high speed print capability are important.

Coupled with easy integration into existing production equipment, the A-Series CP range offers that highly reliable option for the printing of text, barcodes and logos at the speeds required.

The A-Series CP printers can be applied to a wide range of applications as a part of a total solution or can be used with Domino's range of Protocols and Controllers to form a complete integrated package.

Product Range

The A200 is suitable for single head applications, while the A400 is a compact/stackable printer ideal for applications where space is limited or multiple print heads are required. All A-Series CP printers can be installed with only one electrical connection required, eliminating the need for a factory air supply.

Reliability

A-Series CP will print reliably ensuring maximum productivity with minimal operator intervention.

One button controls the complete start up and shut down process, while the unique ink system design using large internal reservoirs and a nozzle seal allows the A-Series to have a truly automatic print head eliminating the need for manual cleaning.
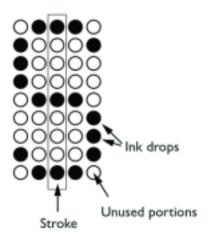
Print Quality

Whether running continuously or shutting down daily, the A-Series print head technology delivers precise print every time. The lightweight print head can be installed on virtually any production line, the mounting allowing for easy removal and replacement of the head for precise and efficient job set up.

Print Formats

Matrix

The traditional ink jet format where characters are formed by drop placement based on a 7x5 or 9x5 matrix, along with different print nozzle sizes provides variable print resolutions. This, combined with our controllers, allows you to download different character sets and font formats, giving total control for each individual job.

Pinpoint™

Pinpoint produces very fine characters accurately, as small as 0.8 mm at very high speeds. Pinpoint is the ideal solution for discreet, high quality printing on small surfaces.

FreeForm™

Printing curved characters using the matrix format has always been difficult, particularly in lower resolutions such as 7x5 or 9x5, sometimes resulting in character distortion. However, FreeForm uses a technique that allows drops to be placed with greater accuracy and density, giving a new standard of quality and readability. The ability to choose your font allows you to perform a whole range of jobs.

Pinpoint FreeForm

Combining the best of Domino's technologies, accurate printing can be done in the smallest of areas. Discreet printing can be produced in near letter quality, complementing existing labels/products.

Technical Specification

Control Unit

- Control panel: Membrane touch button

Cabinet

- Stainless Steel (304) designed to IP53 (BS EN60529:1992) Cabinet Dimensions
- A200 – 245mm x 475mm x 725mm (9.6" x 18.7" x 28.5")
- A400 – 560mm x 450mm x 375mm (22" x 17.7" x 14.8")

Weight

- A200 – 36kgs (79lbs)
- A400 – 34kgs (75lbs)

Date Input Options

- Serial RS232
- Rate: 110-19.2k Baud, software configurable

Ink Systems

- Automatic viscosity control
- Automatic Ink bleed control (on start-up)
- Automatically metered Ink and make-up refill (825ml (.87qt) cartridge)
- Optional Peltier

Print Head

- Dimensions: 240mm x 41mm x 47mm (9.4" x 1.6" x 1.85")
- Conduit length: 3m (11.8') or 6m (26.4')

Positive Air

- Optional internal supply

Airdryer

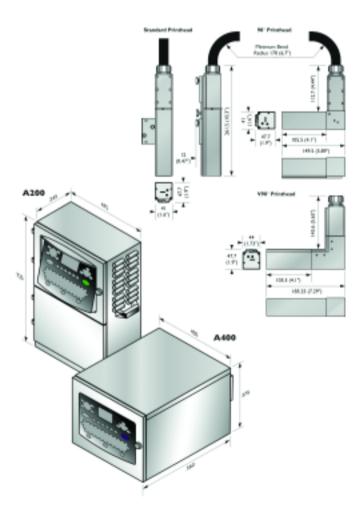- Internal compressor or factory air options.

Environment

- Temperature range: 5 – 45°C (40 – 112°F) operating
- Humidity: 10 – 90% (non-condensing)

Electrical Requirements

- Single phase, fully auto-ranging
- 90 – 132V/180 – 264V, 50/60Hz 200VA

Connections

- Product detector – 12V 100mA for photocell or proximity detector
- Shaft encoder input – Open collector or TTL encoder 12V
- Alarm beacon connector
- Auxiliary alarms connector
- User port connector

Domino Worldwide

Through an extensive global network of subsidiaries and distributors, Domino operates in over 120 countries. This network offers customers both sales support and access to highly skilled service teams, providing technical support packages to suit the varying production environments and customer requirements across the world.

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