

# :Avalon N8-12 / N8-22

Agfa Graphics' :Avalon N series of thermal external drum platesetters offers the most complete range in the industry featuring laser technology most appropriate to the application. The :Avalon N is a platesetter with a reputation for solid dependability with a full assortment of automation options and many productivity options such as internal punching also available.

Reliable, stable quality plate imaging secures your printing business!



## N8-12 series

- Full featured entry level models for modest plate productivity requirements.
- A full array of automation options is available

## N8-22 series

- Full featured mid-level models for medium plate productivity requirements
- A full array of automation options is available

### IMAGER

| Models           |                                      |                                                                       |
|------------------|--------------------------------------|-----------------------------------------------------------------------|
|                  | N8-12 E 16 beams<br>N8-12 S 32 beams | N8-22 E 32 beams<br>N8-22 S 64 beams<br>N8-22 Sr 64 beams             |
| Imaging System   | CAN Laser                            | Fibre Coupled Laser                                                   |
| Laser technology | 830 nm Thermal                       | 830 nm Thermal                                                        |
| Recording System | External drum                        | External drum                                                         |
| Resolutions      | N8-12 E 2400 dpi<br>N8-12 S 2400 dpi | N8-22 E 2400 dpi<br>N8-22 S 2400 dpi<br>N8-22 Sr 2400 dpi<br>4000 dpi |

### PLATE SIZES (Platesetter and Autoloaders)

|                                                    |                                 |
|----------------------------------------------------|---------------------------------|
| Maximum plate (lead edge x wrap)                   | 1,160 x 940 mm (45.6 x 37.0 in) |
| Minimum plate (lead edge x wrap)                   | 304 x 370 mm (11.9 x 14.6 in)   |
| Thicknesses (options for 0.4 mm support available) | 0.15 to 0.3 mm (6 to 12 mil)    |

### PLATES

|                               |                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------|
| Approved Agfa Graphics plates | :Thermostar P970<br>:Energy Elite<br>:Energy Elite Pro<br>:Azura TS<br>:Amigo TS |
|-------------------------------|----------------------------------------------------------------------------------|

### PLATE HANDLING CONFIGURATIONS

|                               |     |
|-------------------------------|-----|
| <b>Plate loading</b>          |     |
| Semi-automatic manual loading | Yes |
| Single cassette Autoloader    | Yes |
| Multi cassette Autoloader     | Yes |
| <b>Plate unloading</b>        |     |
| Manual unload                 | Yes |
| On-line processor (OLP)       | Yes |

### THROUGHPUT

|                                                                                                                                                                  |         |        |            |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|
| 1030 x 800 mm plate, 2400 dpi (throughput affected by plate sensitivity, screening and other factors, contact your Agfa Graphics representative for more detail) |         |        |            |        |
| :Energy Elite Pro                                                                                                                                                | N8-12 E | 7 pph  | N8-22 E    | 13 pph |
|                                                                                                                                                                  | N8-12 S | 14 pph | N8-22 S/Sr | 23 pph |

### INTERNAL PUNCHING

|        |                                                                                         |
|--------|-----------------------------------------------------------------------------------------|
| Option | Yes, support for up to 4 sets of punches.<br>Standard and custom punches are available. |
|--------|-----------------------------------------------------------------------------------------|

### PHYSICAL SPECIFICATIONS

|                                     |                                                   |
|-------------------------------------|---------------------------------------------------|
| Dimensions (W x D x H)<br>main unit | 2,440 x 1,295 x 1,390 mm (96.1 x 51.0 x 54.7 in.) |
| Approx Weight                       | Approx. 1,150 kg (2,530 lbs.)                     |

# :Avalon N8-12 / N8-22

## Autoloaders

:Avalon N8 Autoloaders: Reliable 8-up plateloading systems for increased productivity.

A full array of Plateloading automation systems for the :Avalon N8 series of 8-up thermal platesetters.

These solutions offer innovative and user friendly designs for maximum operator utilization.

### ENVIRONMENT (platesetter and Autoloader)

|                                              |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| Temperature range<br>Recommended<br>Required | 21° to 25° C (69.8° to 77.0° F)<br>18° to 26° C (64.4° to 78.8° F) |
| Humidity range                               | 40% to 70% RH (non-condensing)                                     |
| Power<br>(main unit with Autoloader)         | 220 to 240 volts, Single phase, 32 amps, 50 or 60 Hz               |

### Single Cassette Autoloader

A single cassette autoloader allowing unattended operation and automatic slip sheet removal with less investment

### Multi Cassette Autoloader

A multi cassette solution with up to 5 cassettes on-line for high production with minimum labor. Standard configuration is 3 cassettes.

### Models and Applicability

| Model         | N8-AL S              |     | N8-AL M              |     |
|---------------|----------------------|-----|----------------------|-----|
| Applicability | :Avalon N8 12 Series | Yes | :Avalon N8 12 Series | Yes |
|               | :Avalon N8 22 Series | Yes | :Avalon N8 22 Series | Yes |

### Description

| Cassettes                  | Max number on line                 | 1 cassette | Max number on line                 | up to 5 cassettes |
|----------------------------|------------------------------------|------------|------------------------------------|-------------------|
|                            |                                    |            | Included                           | 3 cassettes       |
| Plates per cassette        | 0.15 mm                            | 100 plates | 0.15 mm                            | 100 plates        |
|                            | 0.2 mm                             | 100 plates | 0.2 mm                             | 100 plates        |
|                            | 0.3 mm                             | 100 plates | 0.3 mm                             | 100 plates        |
|                            | 0.4 mm                             | 75 plates  | 0.4 mm                             | 75 plates         |
|                            | Between 450 x 370 and 304 x 370 mm | 50 plates  | Between 450 x 370 and 304 x 370 mm | 50 plates         |
| Removable cassettes        | Yes                                |            | No                                 |                   |
| Cassette carrier available | Yes, Included                      |            | No                                 |                   |
| Slip sheet removal         |                                    |            |                                    |                   |

### Plate sizes

|             |                                            |
|-------------|--------------------------------------------|
| Maximum     | 1160 x 940 mm<br>(45.6 x 37.0 in.)         |
| Minimum     | 304 x 370 mm<br>(11.9 x 14.6 in.)          |
| Thicknesses | 0.15 to 0.3 mm<br>(0.4 mm as field option) |

### Physical Specifications

|                                              |                                                                    |                                                     |
|----------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------|
| Dimensions (W x D x H)                       | 1,758 x 1,806 x 1,280 mm<br>69.2 x 71.1 x 50.4 in.                 | 3,213 x 1,806 x 1,280 mm<br>126.5 x 71.1 x 50.4 in. |
| Approx Weight (no plates)                    | 530 kg<br>1,168 lbs.                                               | 1,250 kg<br>2,750 lbs.                              |
| Temperature range<br>Recommended<br>Required | 21° to 25° C (69.8° to 77.0° F)<br>18° to 26° C (64.4° to 78.8° F) |                                                     |
| Humidity range<br>Power                      | 40% to 70% RH (non-condensing)<br>Powered by main unit             |                                                     |

### Options

|                                                            |     |                    |
|------------------------------------------------------------|-----|--------------------|
| 0.4 mm support                                             | Yes | Yes                |
| Additional carrier-type cassette<br>(with dustproof cover) | Yes | No                 |
| Cassette carrier                                           | Yes | No                 |
| Additional cassettes                                       | No  | yes (max. 5 total) |

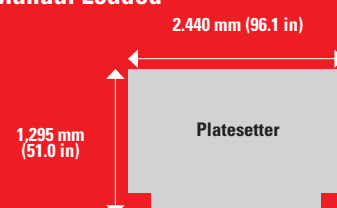
### SYSTEM LAYOUTS

Shown below are main system components only.

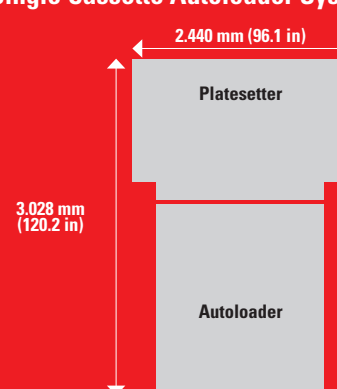
Contact your Agfa Graphics representative for:

- more detailed layouts including processors, conveyors, chiller, blower and other components.
- detailed site requirements including service space requirements

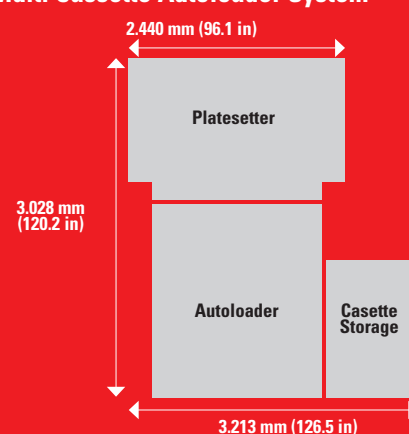
### Manual Loaded



### Single Cassette Autoloader System



### Multi Cassette Autoloader System



[www.agfagraphics.com](http://www.agfagraphics.com)



STAY AHEAD. WITH AGFA GRAPHICS.

© Copyright 2012 by Agfa Graphics N.V. All rights reserved. Printed in Belgium. AGFA and the Agfa rhombus are trademarks of Agfa-Gevaert NV & Co KG :Avalon, :Amigo, :Azura and :Energy Elite are trademarks of Agfa Graphics N.V. All other brand and product names may be service marks, trademarks, or registered trademarks of their respective owners. All product specifications are subject to change without prior notice. Appearance of equipment ordered may differ from that equipment shown in photographs. NGBV1 GB 00201203