

: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 N8-12 S 32 beams	N8-22 E 32 beams N8-22 S 64 beams 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 N8-12 S 2400 dpi	N8-22 E 2400 dpi N8-22 S 2400 dpi N8-22 Sr 2400 dpi 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 :Energy Elite :Azura TS :Amigo TS	:Thermostar P970 :Energy Elite :Azura TS :Amigo TS
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PLATE HANDLING CONFIGURATIONS

Plate loading	
Semi-automatic manual loading	Yes
Single cassette Autoloader	Yes
Multi cassette Autoloader	Yes
Plate unloading	
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	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. Standard and custom punches are available.
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PHYSICAL SPECIFICATIONS

Dimensions (W x D x H) 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.)

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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	21° to 25° C (69.8° to 77.0° F)
Recommended	18° to 26° C (64.4° to 78.8° F)
Required	
Humidity range	40% to 70% RH (non-condensing)
Power	
(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.

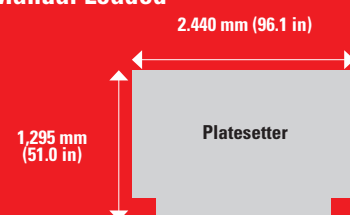
SYSTEM LAYOUTS

Shown below are main system components only.

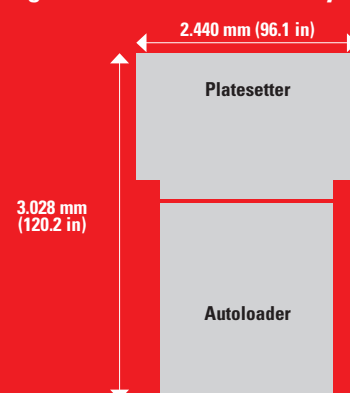
Contact your Agfa Graphics representative for:

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

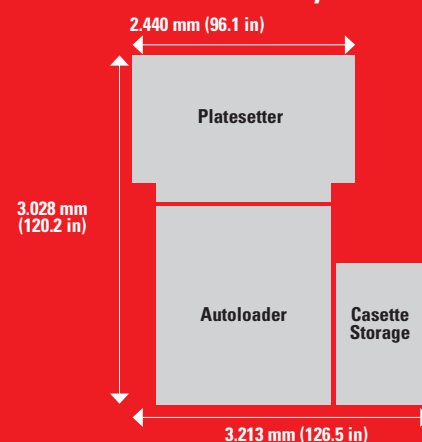
Manual Loaded



Single Cassette Autoloader System



Multi Cassette Autoloader System



Models and Applicability

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

Description

Cassettes	Max number on line	1 cassette	Max number on line	up to 5 cassettes
Plates per cassette	0.15 mm	100 plates	Included	3 cassettes
	0.2 mm	100 plates	0.15 mm	100 plates
	0.3 mm	100 plates	0.2 mm	100 plates
	0.4 mm	75 plates	0.3 mm	100 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	Standard Capacity ±100 sheets			

Plate sizes

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

Physical Specifications

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

Options

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



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