

# :Avalon N8

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. The range of throughputs offered cover all applications.



## MODELS

Technology	External drum		External drum		External drum		External drum	
Laser technology	830 nm Thermal		830 nm Thermal		830 nm Thermal		830 nm Thermal	
Models and resolutions	:N8-12 E	2400 dpi	:N8-22 E	2400 dpi	:N8-52 E	2400 dpi, (4000 dpi factory option)	:N8-72 XT	2400 dpi
	:N8-12 S	2400 dpi, 4000 dpi	:N8-22 S	2400 dpi	:N8-52 S	2400 dpi, (4000 dpi factory option)		
			:N8-22 Sr	2400 dpi, 4000 dpi	:N8-52 XT	2400 dpi, (4000 dpi factory option)		

## PLATE SIZES (Platesetter and Auoloaders)

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 (12.0 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, :Azura TS :Amigo :Ampio manual load only	:Thermostar P970 :Energy Elite :Azura, :Azura TS :Amigo :Ampio manual load only	:Thermostar P970 :Energy Elite :Azura, :Azura TS :Amigo :Ampio manual load only	:Thermostar P970 :Energy Elite :Azura, :Azura TS :Amigo :Ampio manual load only
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## PLATEHANDLING 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	:N8-12 E	7 pph	:N8-22 E	13 pph	:N8-52 E	25 pph	:N8-72 XT	48 pph
		:N8-12 S	14 pph	:N8-22 S/Sr	23 pph	:N8-52 S	35 pph		
						:N8-52 XT	40 pph		

## INTERNAL PUNCHING

Option	Yes, support for up to 4 sets of punches. Standard and custom punches are available.
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## SIZE AND WEIGHT

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.

	N8-N12 Series / N8-N22 Series		N8-N52 Series / N8-N72 Series	
<b>ENVIRONMENT (platesetter and Autoloader)</b>				
<b>Temperature range</b>	Recommended	21° to 25° C (69.8° to 77.0° F)	Recommended	21° to 25° C (69.8° to 77.0° F)
	Required	18° to 26° C (64.4° to 78.8° F)	Required	18° to 26° C (64.4° to 78.8° F)
Humidity range	40% to 70% RH (non-condensing)		40% to 70% RH (non-condensing)	
Power (main unit with Autoloader)	Voltage range	220 to 240 volts	Voltage range	220 to 240 volts
	Phase	Single phase	Phase	Single phase
	Amperage	32 amps	Amperage	21 amps
	Frequency	50 or 60 Hz	Frequency	50 or 60 Hz

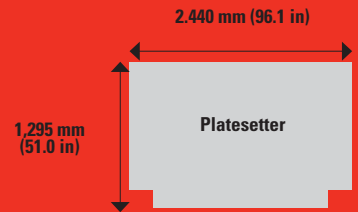
Models and Applicability	Single Cassette Autoloader		Multi Cassette Autoloader				
	A single cassette autoloader allowing unattended operation and automatic slip sheet removal with less investment		A multi cassette solution with up to 5 cassettes on-line for high production with minimum labor. Standard configuration is 3 cassettes.				
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			
	:Avalon N8 52 Series	Yes	:Avalon N8 52 Series	Yes			
	:Avalon N8 72 Series	Yes	:Avalon N8 72 Series	Yes			
Description	Cassettes	Max number on line	1 cassette	Max number on line	up to 5 cassettes		
		Included		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					
	Slip sheet removal	Included	Yes, standard	Included	Yes, standard		
Capacity		Approx. 100 sheets	Capacity	Approx. 100 sheets			
Plate sizes	Maximum plate	1160 x 940 mm 45.6 x 37.0 in.		1160 x 940 mm 45.6 x 37.0 in.			
		Minimum plate	304 x 370 mm (12.0 x 14.6 in.)		304 x 370 mm (12.0 x 14.6 in.)		
	Thicknesses		Standard	0.15 to 0.3 mm (6 to 12 mil)	Standard	0.15 to 0.3 mm (6 to 12 mil)	
		Option	0.15 to 0.4 mm (6 to 16 mil)	Option	0.15 to 0.4 mm (6 to 16 mil)		
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	Recommended	21° to 25° C 69.8° to 77.0° F		Recommended	21° to 25° C 69.8° to 77.0° F	
		Required	18° to 26° C 64.4° to 78.8° F		Required	18° to 26° C 64.4° to 78.8° F	
Humidity range	40% to 70% RH (non-condensing)		40% to 70% RH (non-condensing)				
Power	Powered by main unit		Powered by main unit				
Automation options	Small plate support	Yes		Yes			
	0.4 mm support	Yes		Yes			
	Additional cassettes	Yes		Yes			
	Cassette carrier (transport)	Yes		Yes			
	Cassette covers (for protection against dust)	Yes		Yes			
Field Upgradability	Additional removable cassettes and trolley	Yes		No			
	Additional cassettes (max 5 total)	No		Yes			

## SYSTEM LAYOUTS

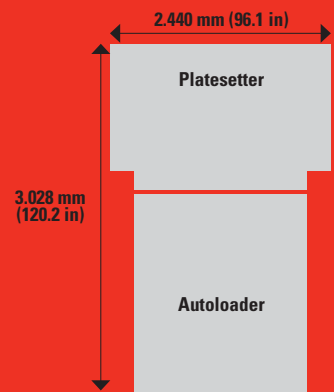
Shown below are main system components only. Contact your Agfa Graphics representative for:
 

- 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

