

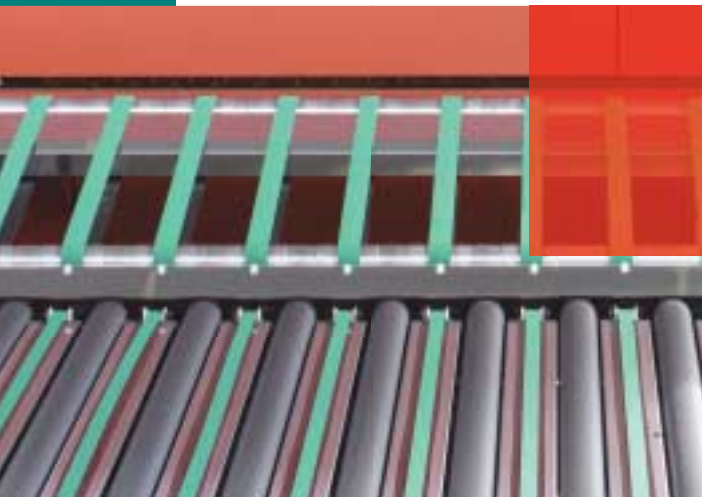
:Avalon N24 - N36 - N40

:Avalon N VLF...innovative and reliable VLF Thermal Platesetter Systems

Agfa Graphics' Avalon N VLF line is the most extensive in the industry offering a size and configuration for all applications. These innovative platesetting systems have a reputation for solid dependability and offer a full assortment of advanced features such as internal punching and dual plate imaging. In addition the :Avalon N VLF are some of the most productive systems in their class.

	N24 series	N36 series	N40 series
Application	- Full featured VLF systems for customers with full size VLF plates typically to 24-up.	- Full featured VLF systems for customers with full size VLF plates typically to 36-up.	- Full featured VLF systems for customers with full size VLF plates typically to 40-up.
	- Productivity features including internal punching and dual plate imaging - A full array of automation options is available.		
	Large sheet fed and 48-up web presses	Largest sheet fed and 64/72-up web presses	80-up web presses
MODELS			
Platesetter Architecture	External drum		
Laser	830 nm Thermal		
Imager Architecture	Thermal Bar laser using Grating Light Valve (GLV) Technology		
Models and resolutions	N24-50-S 2400 dpi	N36-50-S 2400 dpi	N40-50-S 2400 dpi
(SD and XT models support dual loading of smaller plate sizes) XT models are equipped with dual laser imagers	N24-50-SD 2400 dpi	N36-50-SD 2400 dpi	N40-50-SD 2400 dpi
	N24-50-XT (twin imagers) 2400 dpi	N36-50-XT (twin imagers) 2400 dpi	
	N24-70-SD 2400 dpi	N36-70-SD 2400 dpi	N40-70-SD 2400 dpi
	N24-70-XT (twin imagers) 2400 dpi	N36-70-XT (twin imagers) 2400 dpi	
PLATE SIZES (Platesetter and Autoloader)			
Maximum plate (lead edge x wrap)	1,750 x 1,400 mm (68.8 x 55.1 in.)	2,100 x 1,600 mm (82.6 x 62.9 in.)	2280x1600 (89.7 x 62.9 in.)
Minimum plate (lead edge x wrap) (option for 500 x 550 mm (19.7 x 21.7 in) plate support available)	650 x 550 mm (25.6 x 21.7 in.)	650 x 550 mm (25.6 x 21.7 in.)	650x550 mm (25.6 x 21.7 in)
Max plate dual mode:	1060x1400 mm (41.7 x 55.1 in.)	1060x1600 mm (41.7 x 62.9 in.)	1060x1600 mm (41.7 x 62.9 in.)
Thicknesses (option for 0.5 mm support available)	0.2 to 0.4 mm 8 to 16 mil		
PLATES AND PROCESSORS			
Approved Agfa Graphics plates	:Thermostar P970, :Energy Elite, :Amigo		
PLATEHANDLING CONFIGURATIONS			
Plate loading			
Semi-automatic manual loading	Yes		
Multi cassette Autoloader	Yes (up to 300 plates on line) can be combined with one Pallet Loader		
Pallet loader	Yes Up to two on line		
Plate unloading			
Manual unload	Yes		
On-line processor (OLP)	Yes		
THROUGHPUT			
Plate Size	1,524 x 1,143 x 0,4 mm plate (60.0 x 45.0 in. x 16 mil)	2,032 x 1,270 x 0,4 mm plate (80.0 x 50.0 in. x 16 mil)	2280 x 1270 x 4 mm plate (89.7 x 50 in. x 16 mil)
Throughputs are shown for :Energy Elite plates (throughput affected by plate sensitivity, screening and other factors, contact your Agfa Graphics representative for more detail) * Throughput quoted when using Multi-Cassette autoloader. Throughput with Pallet loader may be lower, contact AGFA.	N24-50-S	22 pph	N36-50-S 18 pph
	N24-50-SD	22 pph	N36-50-SD 18 pph
	N24-50-XT	31 pph	N36-50-XT 27 pph
	N24-70-SD	25 pph	N36-70-SD 21 pph
	N24-70-XT	35 pph	N36-70-XT 31 pph
			N40-70-SD 20 pph
	Dual Plate modes	Dual Plate modes	Dual Plate modes
	1030 x 800 x 0.3 mm plate (40.5 x 31.5 in. x 12 mil)	1030 x 800 x 0.3 mm plate (40.5 x 31.5 in. x 12 mil)	1030 x 800 x 0,3 mm plate (40.5 x 31.5 in. x 12 mil)
	N24-50-SD 34 pph	N36-50-SD 34 pph	N40-50-SD 34 pph
	N24-50-XT 55 pph	N36-50-XT 55 pph	
	N24-70-SD 41 pph	N36-70-SD 41 pph	N40-70-SD 41 pph
	N24-70-XT 64 pph	N36-70-XT 64 pph	
FEATURES			
Internal Punching	All models		
Dual plate Imaging	N24-70-XT, N24-50-SD, N24-50-XT, N24-70-SD	N-36-70-XT, N36-50-SD, N36-50-XT, N36-70-SD	N40-50SD, N40-70SD
Twin Imagers	N24-50-XT, N24-70-XT	N36-50-XT, N36-70-XT	Not Available
PHYSICAL SPECIFICATIONS			
Dimensions (W x D x H) - main unit	3,840 x 3,675 x 1,795 (151.5 x 144.7 x 70.7 in.)	3,840 x 3,875 x 1,795 (151.5 x 152.6 x 70.7 in.)	3,840 x 3,875 x 1,795 (151.5 x 152.6 x 70.7 in.)
Approx Weight	Approx. 3,710 kg (8,179 lbs.)	Approx. 3,720 kg (8,201 lbs.)	Approx. 3,720 kg (8,201 lbs.)

Avalon N24 - N36 - N40



Multi-cassette Loader	N40-AL M
Plate size max. (W x H)	2280mm x 1600mm
Plate size min. (W x H)	500mm x 550mm
Plate Thickness	0.2 - 0.5mm
Number of cassette	4
Loading capacity*	0.3mm, 75 plates per cassette 0.4mm, 60 plates
Installation position	Right or Left
Standards electric wave	FCC
Standards safety	UL60950
Dimensions (WxDxH)	3,365x4,12 x1,850 mm
Installation dimension (WxH)	2,300 x 2,000 mm
Weight (Without plate)	Approx. 2,540 kg
Power supply	Single phase 200V - 240V, 10A 2.0kW

N24 series / N36 series / N40 series ENVIRONMENT (Platesetters and Autoloader)

Temperature range	Recommended	21° to 25° C 69.8° to 77.0° F	
	Required	18° to 26° C 64.4° to 78.8° F	
Humidity range	40% to 70% RH (non-condensing)		
	Power	Voltage range	200 to 240 volts
		Phase	Single phase
		Amperage (Platesetter)	35 amps
		Amperage (Autoloader)	10 amps
		Frequency	50 or 60 Hz

N24 / N36 / SKID /PALLET LOADER

Model	N24 / N36 Skid /pallet	
Skids	In operation	up to two loaders, one pallet in each
	Can be identified	up to 7 skids /pallets
Plate orientation	Emulsion down	
Plates per skid (plate size dependant, shown is typical)	Max stack height 240mm (9.4 in) Max stack weight 800 kg	
	0.4 mm (16 mils)	up to 600 plates
	0.3 mm (12 mils)	up to 600 plates
	0.2 mm (8 mils)	up to 600 plates
Supports dual plate	Yes	
Slip sheet removal	Included	Yes
	Capacity	100 sheets
Manual bypass	Yes	

Plate sizes

Maximum plate	2070 x 1,500 mm (81.5 x 59.0 in.) A pallet loader to accommodate Avalon N40 plate sizes is also available
Minimum plate	800 x 550 mm (31.5 x 21.7 in.)
Thicknesses	0.2 to 0.4 mm 8 to 16 mil

Physical Specifications

Footprint (W x D x H)	3,165 x 2,160 x 2,030 mm (124.6 x 85.1 x 80.0 in.)
Approx Weight (loader and cassettes, no plates)	1,650 kg (3,638 lbs.)

Configuring

Location of Loading unit	Right-hand and Left-hand versions
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Accessories

Additional skid bases	Yes
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