

:AVALON N16

: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 configurations 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.

N16 series

- Full featured VLF systems for customers with mid size VLF plates typically to 16-up.
- Productivity features including internal punching.
- Supports all Agfa Graphics plates including ThermoFuse.
- A full array of automation options is available.

Application Large sheet fed and 16-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	N16-50-E	2400 dpi
	N16-50-S	2400 dpi
	N16-50-XT	2400 dpi

PLATE SIZES (Platesetter and Autoloader)

Maximum plate (lead edge x wrap)	1,470 x 1,165 mm (57.8 x 45.8 in.)
Minimum plate (lead edge x wrap) (option for smaller plate support available)	650 x 550 mm 25.6 x 21.7 in.
Thicknesses (option for 0.15 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 :Ampio
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PLATEHANDLING CONFIGURATIONS

Plate loading	
Semi-automatic manual loading	Yes
Multi cassette Autoloader	Yes (up to 400 plates on line)
Skid (pallet) loader	No
Plate unloading	
Manual unload	Yes
On-line processor (OLP)	Yes

THROUGHPUT

Plate Size	- 1,448 x 1,143 x 0.4 mm plate	
:Thermostar P970, :Energy Elite, :Ampio (throughput affected by plate sensitivity, screening and other factors, contact your Agfa Graphics representative for more detail.)	N16-50-E	16 pph
	N16-50-S	24 pph
	N16-50-XT	29 pph

FEATURES

Internal Punching	N16-50-S, N16-50-XT
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PHYSICAL SPECIFICATIONS (NOMINAL)

Dimensions (W x D x H) - main unit	2,740 x 1,775, x 1,515 mm (107.8 x 69.8 x 59.6 in.)
Approx Weight	Approx. 1,640 kg (3,608 lbs.)

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ENVIRONMENT (Platesetters and Autoloaders)

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	25 amps (including Autoloader)
	Frequency	50 or 60 Hz



Autoloaders

Models	N16-AL M Twin	
Two or Three Cassette Autoloader	N16-AL M Triple	
Plates per cassette - Two cassette model	0.4 mm	80
	0.3 mm	100
	0.2 mm	140
	0.15 mm	170
Plates per cassette - Three Cassette model	0.4 mm	60
	0.3 mm	75
	0.2 mm	100
	0.15 mm	125
Removable cassettes	No	
Slip sheet removal	Included	Yes
	Capacity	100 sheets
Manual bypass	Yes	
PLATE SIZES		
Maximum plate (lead edge x wrap)	1,470 x 1,165 mm (57.8 x 45.8 in.)	
Minimum plate (lead edge x wrap) (standard)	450 x 370 mm (17.7 x 14.5 in)	
Thicknesses (standard)	0.15 to 0.4 mm (6 to 16 mil)	
PHYSICAL SPECIFICATIONS		
Footprint (W x D x H) total system	6,290 x 3,995 x 1,680 mm (247.6 x 157.2 x 66.1 in.)	
Approx Weight (autoloader only, no plates)	2 Cassettes	1,005 kg (2,216 lbs.)
	3 cassettes	1,140 kg (2,514 lbs.)
Power	Supplied by main unit	
CONFIGURING		
Location of Loading unit	Right or left of engine	
Location of Cassette unit	Right or left of loading unit	
FACTORY OPTIONS		
Small plate support	Standard	
0.15 mm Plate support	Standard	
FIELD UPGRADABILITY		
From two to three cassette	No	
From two to four cassettes	Yes	
From Three to four cassettes	No	

Model	N16-AL M Quad	
Multi cassette Autoloader		
Cassettes	Max number	4 cassettes
	Number Included	4 cassettes
Plates per cassette	0.4 mm	80
	0.3 mm	100
	0.2 mm	140
	0.15 mm	170
Removable cassettes	No	
Slip sheet removal	Included	Yes
	Capacity	100 sheets
Manual bypass	Yes	
PLATE SIZES		
Maximum plate (lead edge x wrap)	1,470 x 1,165 mm (57.8 x 45.8 in.)	
Minimum plate (lead edge x wrap) (standard)	450 x 370 mm (17.7 x 14.5 in)	
Thicknesses (standard)	0.15 to 0.4 mm (6 to 16 mil)	
PHYSICAL SPECIFICATIONS		
Footprint (W x D x H)	6,290 x 5,518 x 1,680 mm (247.6 x 214.4 x 66.1 in.)	
Approx Weight (loader and cassettes, no plates)	1,395 kg (3,076 lbs.)	
Power	Supplied by main unit	
CONFIGURING		
Location of Loading unit	Right or left of engine	
FACTORY OPTIONS		
Small plate support	Standard	
0.15 mm Plate support	Standard	