

# 3 min to sell

## HP Designjet T3500 Production eMFP vs. Canon iPF825 MFP M40



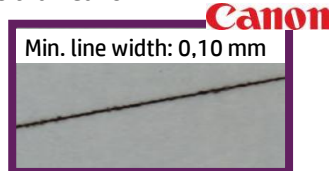
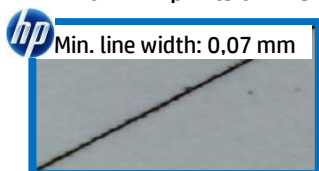
### 1 All your workflow needs in a high-productivity MFP

#### Fast first page out

- HP solution can get files printed<sup>(1)</sup> much faster than Canon printer does.

	HP Designjet T3500 Production eMFP	Canon iPF825 MFP M40
Puigverd.pdf	41"	48"
4775.dwg	42"	37"
Pat2.pdf	1'44"	2'06"
Portland.tif	3'22"	3'56"

- HP achieves better image quality than Canon:
  - HP prints thinner lines than Canon:



- HP prints darker blacks<sup>(2)</sup> than Canon (L\*: the lower, the better):
  - HP L\*: 22,3 vs. Canon L\*: 27,4

#### Advanced features when scanning

- HP Designjet T3500 Production eMFP has advanced features when scanning:
  - It can scan to a multipage PDF while Canon does not have this feature.
  - It has compression settings when scanning to PDF/JPEG file, while Canon users will have larger files.
  - It has automatic skew correction, with Canon the user needs to re-scan if the original print is skewed.

#### True stacking solution

- The HP Designjet T3500 Production eMFP can stack up to 100 pages, while Canon printer does not have a real stacker solution, it basically has a basket.
- Moreover, Canon bin has issues when mixing sizes and file orientation as well as it is difficult to find plots once printed because they are not collated.

### 2 A production printer for unattended, low-cost use

- HP Designjet T3500 Production eMFP has better cost per copy<sup>(3)</sup> than Canon:

	HP Designjet T3500 Production eMFP	Canon iPF825 MFP M40
Puigverd.pdf	0,30 ml/m <sup>2</sup>	0,47 ml/m <sup>2</sup>
	0,10 €/m <sup>2</sup>	0,16 €/m <sup>2</sup>
Pat2.pdf	0,35 ml/m <sup>2</sup>	0,34 ml/m <sup>2</sup>
	0,12 €/m <sup>2</sup>	0,12 €/m <sup>2</sup>
4775.dwg	0,83 ml/m <sup>2</sup>	1,34 ml/m <sup>2</sup>
	0,27 €/m <sup>2</sup>	0,47 €/m <sup>2</sup>
Portland.tif	3,49 ml/m <sup>2</sup>	3,08 ml/m <sup>2</sup>
	1,32 €/m <sup>2</sup>	1,07 €/m <sup>2</sup>

### 3 Built for rigorous IT demands and top security

More than ever, it's critical to protect confidential and sensitive data. That includes the information stored on printers.

HP Designjet T3500 Production eMFP has been designed with these needs in mind:

- Secure Access:** to prevent unauthorized access to the Printer.

	HP Designjet T3500 Production eMFP	Canon iPF825 MFP M40
Disable Connectivity Interfaces	Yes	No
Front Panel Access Lock	Yes	No

- Secure Printing with PIN Printing:** to prevent Confidential Prints being taken.

	HP Designjet T3500 Production eMFP	Canon iPF825 MFP M40
Private Printing Using a PIN	Yes	No
Private Printing /Scanning using API CAC Solution	Yes	No

- Secure Data with Encrypted HDD:** to prevent data from being stolen from the Printer.

	HP Designjet T3500 Production eMFP	Canon iPF825 MFP M40
Encrypted HDD (AES 256-bit and FIPS 140-2 compliant)	Yes	No

1) Puigverd.pdf: printed on Plain paper in Fast mode; 4775 (mono).dwg: printed on Plain paper in Fast mode; Pat2.pdf: printed on Plain paper in Normal mode; Portland.tif: printed on Coated media paper in Normal mode.  
 2) Printed on Plain paper  
 3) Files used: Puigverd.pdf: printed on Plain paper in Fast mode; Pat2.pdf: printed on Plain paper in Fast mode; 4775 (mono).dwg: printed on Plain paper in Fast mode; Portland.tif: printed on Coated media paper in Best mode.  
 Estimated street prices. HP Designjet T3500: 89.25€/ 300 ml cartridge; 233.75€ printhead. Canon iPF825 MFP M40: 110.39€/330 ml cartridge; 336.23€ printhead.  
 4) Mono line drawing file: Puigverd.pdf (Fast mode); Color line drawing file: Pat2.pdf (Fast mode); Render: N5.tif (Normal mode)

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## HP Designjet T3500 Production eMFP vs. Canon iPF825 MFP M40



**HP Designjet T3500  
Production eMFP**



**Canon iPF825 MFP M40**



### HP comment

<b>Street price<sup>1)</sup> and width</b>	<b>12.375 €</b> (36 in / 914 mm)	<b>9.311 €</b> (44-in / 1118 mm)	
<b>Technology</b>	HP Thermal Inkjet	FINE (Full-photolithography Inkjet Nozzle Engineering)	
<b>Printheads</b>	<b>1 printhead</b>	1 printhead	<i>HP has 6 colors for better IQ including gray ink for true gray neutrality.</i>
<b>Cartridges</b>	<b>6 colors: cyan, gray, magenta, photo black, yellow, matte black</b> Dye-based (C, G, M, pK, Y) and pigment-based (mK) Cartridge sizes: 300-ml	5 colors: cyan, magenta, yellow, black, matte black Dye-based (C, M, Y, K) and pigment-based (MBK) <b>Cartridge sizes: 330-ml and 700-ml</b>	
<b>Media handling</b>	Input: two automatic front-loading roll feeds; smart roll switching; <b>rolls up to 650 ft long each; sheet feed</b> Output: <b>integrated output stacker (from A4/A to A0/E, with up to 100 A1/D-size capacity);</b> media bin; automatic cutter	Input: two rolls, front-loading, sheet feed  Output: portable media bin, automatic cutter	<i>Users can load longer rolls in HP printer</i>
<b>Speed<sup>2)</sup></b>	<b>21 sec/page on A1/D<sup>3)</sup></b>	2 A1/D per minute	
<b>Ink usage<sup>4)</sup></b>	Mono lines: 0,30 ml/m <sup>2</sup> <b>Color lines: 0,35 ml/m<sup>2</sup></b>	Mono lines: 0.47 ml/m <sup>2</sup> Color lines: 0.34 ml/m <sup>2</sup>	
<b>Minimum line with<sup>5)</sup></b>	<b>0,07 mm</b>	0,10 mm	
<b>Footprint (WxD)</b>	<b>1,10 m<sup>2</sup></b>	2,45 m <sup>2</sup>	
<b>Scan speed</b>	Color: up to 6,35 cm/sec Grayscale: up to 19,05 cm/sec	<b>Color: up to 7,62 cm/sec</b> <b>Grayscale: up to 33,02 cm/sec</b>	
<b>Scan/copy resolution</b>	Up to 600 dpi	<b>Up to 1200 dpi</b>	
<b>Maximum scan width</b>	914 mm	<b>1016 mm</b>	
<b>Maximum scan thickness</b>	Up to 0,8 mm	<b>Up to 2 mm</b>	
<b>Connectivity</b>	<b>High-Speed USB 2.0 certified host connector,</b> Gigabit Ethernet (1000Base-T) <sup>6)</sup>	USB 2.0 High-Speed, 10/100 Base-T/TX	<i>HP has faster connectivity than Canon</i>
<b>Embedded languages</b>	Standard: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4, HP PCL 3 GUI Optional: Adobe PostScript 3; Adobe PDF 1.7	GARO (Canon Proprietary), HP-GL/2, HP RTL	<i>HP has original HP-GL/2 while Canon has issues when printing and viewing HP-GL/2 complex files</i>
<b>Included drivers</b>	HP-GL/2, HP-RTL drivers for Windows; HP PCL 3 GUI driver for Mac OS X; PostScript Windows and Mac drivers with optional PostScript/PDF Upgrade Kit.	imagePROGRAF Printer Driver (Windows®/Mac®), HDI Driver, Printer Driver Extra Kit for Windows/Mac (Free Layout, Color imageRUNNER® Enlargement Copy, Advanced Preview), Print Plug-in for Microsoft Office (Windows), Digital Photo Front-Access (Windows), PosterArtist Lite (Windows)	
<b>Memory</b>	<b>128 GB (virtual)<sup>7)</sup></b>	32 GB dedicated file processing memory, 384MB RAM	
<b>Hard disk capacity</b>	<b>500 GB</b>	160 GB	
<b>Warranty</b>	B9E24A: 90-day limited hardware warranty. B9E24B: two-year limited hardware warranty.	NA	

Source data: Web and datasheets. **Bold blue text** highlights the out-of-the-box specifications advantages of each printer over the other.

1) Actual prices may vary.

2) Based on specs.

3) Mechanical printing time. Printed in Fast mode, using HP Bright White Inkjet Paper (Bond) and Original HP inks.

4) Based on test results. Mono lines Puigverd.pdf: printed on Plain paper in Fast mode; color lines: Pat2.pdf: printed on Plain paper in Normal mode

5) Based on test results.

6) Supporting the following standards: TCP/IP, BootP/DHCP (IPv4 only), DHCPv6, TFTP (IPv4 only), SNMP (v1, v2c, v3), Apple Bonjour Compatible, FTP, WS Discovery, Embedded Web Server(HTTP, HTTPS), IPSec, SMTP (e-mail), Raw IP printing (9100, 9101, 9102), LPD, IPP, WS print, NTLM, NTLM v2, SSL/TLS, 802.1X authentication (WEP, WPA, WPA2, LEAP, PEAP, EAP-TLS)

7) Based on 2.5 GB RAM.

This document was created in June 2014, based on independent 3rd party data and testing, HP testing and internal review of competitive products detailed Test Report available on request). While specifications are subject to change, reasonable effort was made to ensure the accuracy of this document on the date it was prepared. The analysis presented here is HP's opinion and is intended for HP and HP Resellers' Internal Use Only. Distribution of this document to end-users or to any other third parties is forbidden. © 2014 Hewlett-Packard Development Company, L.P.



Puigverd.pdf



Pat2.pdf

