

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet flow MFP M830 & Managed Flow MFP M830zm

Printing device and settings		
Test Start Date and Time	4/3/2014 9:52	
Tester	JB	
Machine name/model	HP LaserJet flow MFP M830 & Managed Flow MFP M830zm	
Colour or B&W	B&W	
FW Version	2301132_395573 (20130919)	
Temperature and Humidity	73 degF / 23 degC 47.02 %RH	
Voltage	110V	
Test End Date and Time	7/15/2014 13:45	

Item	Value	
Mode and Setting	Driver Version	61.145.2.15638 (13157_676-249)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	default
	Duplex B&W Settings	n/a
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category	Test for B&W Device	FSOT (seconds)	ESAT (ipm)
B&W	Simplex	12.5	55.4
	Duplex	16.3	56.1

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: LETTER						
	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Color Mode	Simplex - Adobe Reader		(1 set)			
	Simplex - Word		(1 set)			
	Simplex - Excel		(1 set)			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	12.51	(1 set)	45.71 (9 sets)	53.71 (60 sets)	55.39
	Simplex - Word	12.29	(1 set)	45.12 (9 sets)		55.43
	Simplex - Excel	12.55	(1 set)	46.33 (9 sets)		55.43
	Simplex - Average	12.5	19.2	45.7	53.7	55.4
	Duplex - Adobe Reader	16.34	(1 set)	42.82 (9 sets)		56.14
	Duplex - Word	16.17	(1 set)	43.24 (9 sets)		56.12
	Duplex - Excel	16.25	(1 set)	43.14 (9 sets)		56.18
	Duplex - Average	16.3	14.7	43.0		56.1

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP LaserJet flow MFP M830 & Managed Flow MFP M830zm

Printing device and settings		
Test Start Date and Time	4/3/2014 9:52	
Tester	JB	
Machine name/model	HP LaserJet flow MFP M830 & Managed Flow MFP M830zm	
Colour or B&W	B&W	
FW Version	2301132_395573 (20130919)	
Temperature and Humidity	73 degF / 23 degC 47.02 %RH	
Voltage	110V	
Test End Date and Time	7/15/2014 13:45	

Item	Value	
Mode and Setting	Driver Version	61.145.2.15638 (13157_676-249)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	default
	Duplex B&W Settings	n/a
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	12.3	56.7
	Duplex	16.2	57.3

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://w.w.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A4						
	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Colour Mode	Simplex - Adobe Reader		(1 set)			
	Simplex - Word		(1 set)			
	Simplex - Excel		(1 set)			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	12.54	19.15 (1 set)	46.57 (9 sets)	54.45 (62 sets)	56.76
	Simplex - Word	12.23	19.62 (1 set)	46.80 (9 sets)		56.73
	Simplex - Excel	12.06	19.88 (1 set)	47.42 (9 sets)		56.74
	Simplex - Average	12.3	19.5	46.9	54.4	56.7
	Duplex - Adobe Reader	16.40	14.62 (1 set)	43.56 (9 sets)		57.42
	Duplex - Word	16.10	14.88 (1 set)	43.82 (9 sets)		57.14
	Duplex - Excel	15.98	15.00 (1 set)	43.76 (9 sets)		57.44
	Duplex - Average	16.2	14.8	43.7		57.3

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://w.w.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6360
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet flow MFP M830 & Managed Flow MFP M830zm

Machine Setup Information	
Test Start Date and Time	4/7/2014 10:37
Tester	JB
Machine name/model	HP LaserJet flow MFP M830 & Managed Flow MFP M830zm
Colour or B&W	B&W
FW Version	2301132_395573 (20130919)
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 47.28 %rH
Test End Date and Time:	7/15/2014 14:40

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter		
	sFCOT	sESAT (ipm)
B&W	9.9	55.4

Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Detailed Report: LETTER							
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)	
			1copy	1copy+30sec	1copy+4minutes		
B&W	A	9.81	6.11	43.90	53.88	55.42	
				32 sets	242 sets		
	B	9.84	6.08	44.96	53.88	55.42	
				31 sets	242 sets		
	C	9.82	6.10	45.27	53.88	55.42	
				31 sets	242 sets		
	D	9.88	6.06	44.93	53.88	55.40	
				30 sets	242 sets		
	Average		9.9	6.0	44.7	53.8	55.4

Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP LaserJet flow MFP M830 & Managed Flow MFP M830zm

Machine Setup Information	
Test Start Date and Time	4/7/2014 10:37
Tester	JB
Machine name/model	HP LaserJet flow MFP M830 & Managed Flow MFP M830zm
Colour or B&W	B&W
FW Version	2301132_395573 (20130919)
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 47.28 %rH
Test End Date and Time:	7/15/2014 14:40

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4		
	sFCOT	sESAT (ipm)
B&W	9.9	56.7

Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Detailed Report: A4							
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)	
			1copy	1copy+30sec	1copy+4minutes		
B&W	A	9.84	6.09	46.46	54.81	56.73	
				32 sets	244 sets		
	B	9.84	6.09	46.19	54.81	56.71	
				31 sets	244 sets		
	C	9.83	6.10	46.10	54.81	56.71	
				31 sets	244 sets		
	D	9.87	6.07	45.86	54.81	56.73	
				31 sets	244 sets		
	Average		9.9	6.0	46.1	54.8	56.7

Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.