

**ISO/IEC 24734 Printing Productivity Report: Office Category**

**Full Detailed Test Report - LETTER**

Color LaserJet Flow MFP M680

Printing device and settings	
Test Start Date and Time	6/23/2014 12:17
Tester	JB
Machine name/model	Color LaserJet Flow MFP M680
Colour or B&W	Colour
FW Version	2302243_421968
Temperature and Humidity	75 degF / 24 degC, 40 %RH
Voltage	110V
Test End Date and Time	7/30/2014 16:36

Item	Value	
<b>Mode and Setting</b>	Driver Version	Fusion10_0_Release13304_191-186
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Black and White
	Duplex B&W Settings	Black and White
	Setting N set count	Application
	Collating function	Activated (application)
<b>Paper Path</b>	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
<b>Color</b>	Simplex	14.1	45.0
	Duplex	18.3	40.5
<b>B&amp;W</b>	Simplex	13.6	45.0
	Duplex	17.7	40.5

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Detailed Report: LETTER						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
			1 set only (1 set)	1 set + 30sec (1 set)	1 set + 4min (1 set)	
<b>Color Mode</b>	Simplex - Adobe Reader	14.44	16.61 ( 1 set )	37.14 ( 8 sets )	41.45 ( 49 sets )	45.08
	Simplex - Word	13.94	17.21 ( 1 set )	37.45 ( 8 sets )		45.08
	Simplex - Excel	13.82	17.36 ( 1 set )	37.61 ( 8 sets )		45.09
	Simplex - Average	14.1	17.0	37.4	41.4	45.0
	Duplex - Adobe Reader	18.76	12.78 ( 1 set )	30.38 ( 7 sets )		40.56
	Duplex - Word	17.96	13.36 ( 1 set )	31.32 ( 7 sets )		40.58
	Duplex - Excel	17.96	13.36 ( 1 set )	31.38 ( 7 sets )		40.58
	Duplex - Average	18.3	13.1	31.0		40.5
<b>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	13.81	17.36 ( 1 set )	37.50 ( 8 sets )	41.73 ( 49 sets )	45.09
	Simplex - Word	13.65	17.57 ( 1 set )	37.79 ( 8 sets )		45.08
	Simplex - Excel	13.33	18.00 ( 1 set )	37.83 ( 8 sets )		45.08
	Simplex - Average	13.6	17.6	37.7	41.7	45.0
	Duplex - Adobe Reader	17.94	13.36 ( 1 set )	31.32 ( 7 sets )		40.56
	Duplex - Word	17.53	13.68 ( 1 set )	31.66 ( 7 sets )		40.56
	Duplex - Excel	17.42	13.76 ( 1 set )	31.64 ( 7 sets )		40.58
	Duplex - Average	17.7	13.6	31.5		40.5

Notes  
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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	Builtin
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**

Color LaserJet Flow MFP M680

Printing device and settings	
Test Start Date and Time	6/23/2014 12:17
Tester	JB
Machine name/model	Color LaserJet Flow MFP M680
Colour or B&W	Colour
FW Version	2302243_421968
Temperature and Humidity	75 degF / 24 degC, 40 %rH
Voltage	110V
Test End Date and Time	7/30/2014 16:36

Item	Value	
<b>Mode and Setting</b>	Driver Version	Fusion10_0_Release13304_191-186
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Black and White
	Duplex B&W Settings	Black and White
	Setting N set count	Application
Collating function	Activated (application)	
<b>Paper Path</b>	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
<b>Colour</b>	Simplex	14.5	42.7
	Duplex	18.8	38.6
<b>B&amp;W</b>	Simplex	14.1	42.7
	Duplex	18.1	38.6

Notes  
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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)	
<b>Colour Mode</b>	Simplex - Adobe Reader	14.82	16.18 ( 1 set )	34.26 ( 7 sets )	39.44 ( 47 sets )	42.73
	Simplex - Word	14.24	16.84 ( 1 set )	34.97 ( 7 sets )		42.71
	Simplex - Excel	14.15	16.95 ( 1 set )	35.04 ( 7 sets )		42.71
	Simplex - Average	14.5	16.6	34.7	39.4	42.7
	Duplex - Adobe Reader	19.05	12.58 ( 1 set )	29.68 ( 7 sets )		38.65
	Duplex - Word	18.57	12.92 ( 1 set )	30.14 ( 7 sets )		38.64
	Duplex - Excel	18.50	12.96 ( 1 set )	30.14 ( 7 sets )		38.65
	Duplex - Average	18.8	12.8	29.9		38.6
<b>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	14.18	16.91 ( 1 set )	35.06 ( 7 sets )	35.78 ( 47 sets )	42.71
	Simplex - Word	13.73	17.47 ( 1 set )	35.36 ( 7 sets )		42.73
	Simplex - Excel	14.27	16.82 ( 1 set )	35.40 ( 7 sets )		42.73
	Simplex - Average	14.1	17.0	35.2	35.7	42.7
	Duplex - Adobe Reader	18.40	13.02 ( 1 set )	30.06 ( 7 sets )		38.68
	Duplex - Word	17.96	13.34 ( 1 set )	30.38 ( 7 sets )		38.65
	Duplex - Excel	17.83	13.44 ( 1 set )	30.44 ( 7 sets )		38.65
	Duplex - Average	18.1	13.2	30.2		38.6

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Test System Parameters	
Item	Value
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Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aC5HR ATA
I/O Subsystem	Builtin
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**

Color LaserJet Flow MFP M680

Machine Setup Information	
Test Start Date and Time	6/23/2014 12:17
Tester	JB
Machine name/model	Color LaserJet Flow MFP M680
Colour or B&W	Colour
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC, 40 %rH
Test End Date and Time	7/30/2014 16:36

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 Colorlok / Xerox Business 4200

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	9.9	45.0
B&W	9.6	45.1

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	
Color	A	9.72	6.16	36.01 25 sets	41.61 193 sets	45.11
	B	9.76	6.14	36.22 26 sets		45.07
	C	10.11	5.93	36.15 26 sets		45.08
	D	9.72	6.16	36.22 26 sets		45.09
	Average	9.9	6.0	36.1	41.6	45.0
	B&W	A	9.38	6.39	36.40 26 sets	41.80 194 sets
B		9.42	6.36	36.39 26 sets		45.10
C		9.51	6.30	36.21 25 sets		45.11
D		9.86	6.07	36.53 26 sets		45.11
Average		9.6	6.2	36.3	41.8	45.1

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

Color LaserJet Flow MFP M680

Machine Setup Information	
Test Start Date and Time	6/23/2014 12:17
Tester	JB
Machine name/model	Color LaserJet Flow MFP M680
Colour or B&W	Colour
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC, 40 %rH
Test End Date and Time	7/30/2014 16:36

	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/m <sup>2</sup>
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	9.9	42.7
B&W	9.9	42.7

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	
Colour	A	9.89	6.06	34.14	39.43	42.73
				24 sets	182 sets	
	B	9.81	6.11	33.50		42.73
				25 sets		
	C	9.76	6.14	34.01		42.73
				24 sets		
D	9.77	6.13	34.00		42.73	
			24 sets			
Average	9.9	6.1	33.9	39.4	42.7	
B&W	A	9.87	6.07	33.29	39.56	42.73
				24 sets	183 sets	
	B	9.84	6.09	33.67		42.71
				24 sets		
	C	9.91	6.05	33.74		42.73
				24 sets		
D	9.77	6.13	32.93		42.73	
			24 sets			
Average	9.9	6.0	33.4	39.5	42.7	

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.