

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

**Full Detailed Test Report - LETTER**

HP LaserJet Pro M402-M403 Series

Printing device and settings	
Test Start Date and Time	5/12/2015 0:20
Tester	JB
Machine name/model	LaserJet Pro M402-M403 Series
Colour or B&W	B&W
FW Version	20150506
Temperature and Humidity	75 degF / 24 degC, 34 %RH
Voltage	110V
Test End Date and Time	5/18/2015 6:29

Item	Value	
<b>Mode and Setting</b>	Driver Version	Fusion16_0_Release15111_497-225
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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)
<b>Paper</b>	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>B&amp;W</b>	Simplex	10.0	40.3
	Duplex	13.4	33.0

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)	
<b>Color Mode</b>	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>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	10.31	23.26 ( 1 set )	36.43 ( 7 sets )	39.70 ( 44 sets )	40.42
	Simplex - Word	9.78	24.51 ( 1 set )	37.01 ( 7 sets )		40.39
	Simplex - Excel	9.88	24.29 ( 1 set )	36.72 ( 7 sets )		40.18
	Simplex - Average	10.0	24.0	36.7	39.7	40.3
	Duplex - Adobe Reader	13.87	17.28 ( 1 set )	28.18 ( 6 sets )		33.10
	Duplex - Word	12.87	18.62 ( 1 set )	28.82 ( 6 sets )		33.06
	Duplex - Excel	13.44	17.84 ( 1 set )	28.52 ( 6 sets )		33.10
	Duplex - Average	13.4	17.9	28.5		33.0

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	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**

HP LaserJet Pro M402-M403 Series

**Printing device and settings**

Test Start Date and Time	5/12/2015 0:20
Tester	JB
Machine name/model	LaserJet Pro M402-M403 Series
Colour or B&W	B&W
FW Version	20150506
Temperature and Humidity	75 degF / 24 degC, 34 %RH
Voltage	110V
Test End Date and Time	5/18/2015 6:29

Item	Value	
<b>Mode and Setting</b>	Driver Version	Fusion16_0_Release15111_497-225
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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 Ultra White / HP Office

**Summary Report: A4**

Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
<b>B&amp;W</b>	Simplex	10.3	38.3
	Duplex	13.7	31.5

**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: 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
<b>Colour Mode</b>	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>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	10.65	22.53 ( 1 set )	34.79 ( 7 sets )	37.71 ( 42 sets )	38.35
	Simplex - Word	10.06	23.86 ( 1 set )	35.27 ( 7 sets )		38.32
	Simplex - Excel	10.19	23.54 ( 1 set )	35.20 ( 7 sets )		38.40
	Simplex - Average	10.3	23.3	35.0	37.7	38.3
	Duplex - Adobe Reader	14.08	17.02 ( 1 set )	27.04 ( 6 sets )		31.58
	Duplex - Word	13.17	18.20 ( 1 set )	27.34 ( 6 sets )		31.52
	Duplex - Excel	13.70	17.50 ( 1 set )	27.28 ( 6 sets )		31.56
	Duplex - Average	13.7	17.5	27.2		31.5

**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	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**

**Feature Performance Full Report - 'Office' Feature Performance Test - A5**

HP LaserJet Pro M402-M403 Series

Printing device and settings	
Test Start Date and Time	5/12/2015 0:20
Tester	JB
Machine name/model	LaserJet Pro M402-M403 Series
Colour or B&W	B&W
FW Version	20150506
Temperature and Humidity	75 degF / 24 degC, 34 %rH
Voltage	110V
Test End Date and Time	5/18/2015 6:29

Item	Value	
Mode and Setting	Driver Version	Fusion16_0_Release15111_497-225
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	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
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

**ISO Print Productivity Report: Feature Performance Test Summary**

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		A5	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5 Landscape Feed - Colour	Simplex		
A5 Portrait Feed - Colour	Simplex		
A5 Landscape Feed - B/W	Simplex	139%	166%
A5 Portrait Feed - B/W	Simplex	35%	36%

- Notes
- 1) All printing device and driver settings were default mode.
  - 2) Test conducted with 8-paper Office Feature Performance file.
  - 3) For more information see <http://www.hp.com/go/printerclaims>.
  - 4) Port monitor not configured to follow device if the IP address changes.

**Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test**

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
			A5			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
Simplex A5 Landscape Feed - Colour						
Simplex A5 Portrait Feed - Colour						
Simplex A5 Landscape Feed - B/W	17.27	38.35	12.34	63.8	139%	166%
Simplex A5 Portrait Feed - B/W	17.27	38.35	49.31	14.1	35%	36%

- Notes
- 1) All printing device and driver settings were default mode.
  - 2) Test conducted with 8-paper Office Feature Performance file.
  - 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	
Test System	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
I/O	TCP/IP	
Software	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 17629 First Print Out Time Report: Office Category**

**Full Detailed Test Report - LETTER**

HP LaserJet Pro M402-M403 Series

Printing device and settings	
Test Start Date and Time	5/11/2015 22:54
Tester	JB
Machine name/model	LaserJet Pro M402-M403 Series
Colour or B&W	B&W
FW Version	20150506
Configuration (options)	Default
Controller	11601
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC, 34 %rH
Voltage	110V
Test End Date and Time	6/6/2015 14:23

Item	Value	
<b>Mode and Setting</b>	PDL and driver version	Fusion16_0_Release15111_497-225
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
<b>Paper</b>	Paper type setting	default
	Paper feeding	Standard cassette
<b>Paper Path</b>	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category		
Summary Report: Letter		
		F POT from Ready (seconds)
<b>B&amp;W</b>	Simplex	5.56
	Duplex	10.19
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .		
4) Port monitor not configured to follow device if the IP address changes.		
5) Page counts were collected after completion of the tests.		

ISO First Page Out Time Report: Office Category						
Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
<b>Color Mode</b>	F POT from Ready - Simplex					
	F POT from Ready - Duplex					
	F POT from Sleep - Simplex					
	Recovery Time					
	F POT from Off - Simplex					
	Warm-up Time					
<b>B&amp;W Mode</b>	F POT from Ready - Simplex	5.31	5.45	5.92	5.56	21 Seconds
	F POT from Ready - Duplex	9.84	10.14	10.60	10.19	21 Seconds
	F POT from Sleep - Simplex			7.99		65 Minutes
	Recovery Time			2.1		
	F POT from Off - Simplex			49.69		
	Warm-up Time			43.77		
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .						
4) Port monitor not configured to follow device if the IP address changes.						
5) Page counts were collected after completion of the tests.						

Test System Parameters		
Item	Value	
<b>Test System</b>	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	Builitn
	USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	TCP/IP	10/1000
<b>Software</b>	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4
		Fusion16_0_Release15111_497-225

**ISO/IEC 17629 First Print Out Time Report: Office Category**

**Full Detailed Test Report - A4**

HP LaserJet Pro M402-M403 Series	
<b>Printing device and settings</b>	
Test Start Date and Time	5/11/2015 22:54
Tester	JB
Machine name/model	LaserJet Pro M402-M403 Series
Colour or B&W	B&W
FW Version	20150506
Configuration (options)	Default
Controller	11601
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC, 34 %rH
Voltage	110V
Test End Date and Time	6/6/2015 14:23

Item	Value	
<b>Mode and Setting</b>	PDL and driver version	Fusion16_0_Release15111_497-225
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
<b>Paper</b>	Paper type setting	default
	Paper feeding	Standard cassette
<b>Paper Path</b>	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category		
Summary Report: A4		
		<b>F POT from Ready (seconds)</b>
<b>B&amp;W</b>	Simplex	5.61
	Duplex	10.37
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .		
4) Port monitor not configured to follow device if the IP address changes.		
5) Page counts were collected after completion of the tests.		

ISO First Page Out Time Report: Office Category						
Detailed Report: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
<b>Colour Mode</b>	F POT from Ready - Simplex					
	F POT from Ready - Duplex					
	F POT from Sleep - Simplex					
	Recovery Time					
	F POT from Off - Simplex					
	Warm-up Time					
<b>B&amp;W Mode</b>	F POT from Ready - Simplex	5.38	5.51	5.94	5.61	21 Seconds
	F POT from Ready - Duplex	9.98	10.32	10.78	10.37	21 Seconds
	F POT from Sleep - Simplex			7.97		65 Minutes
	Recovery Time			2.0		
	F POT from Off - Simplex			43.04		
	Warm-up Time			37.10		
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .						
4) Port monitor not configured to follow device if the IP address changes.						
5) Page counts were collected after completion of the tests.						

Test System Parameters		
Item	Value	
<b>Test System</b>	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	Builitn
	USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	TCP/IP	10/1000
<b>Software</b>	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4 Fusion16_0_Release15111_497-225