

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER
HP LaserJet MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Printer	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
P/W Version	10.82.01.01
Temperature and Humidity	17.3 degF / 23 degC 20.0 %RH
Voltage	220V
Test End Date and Time	4/10/2019 12:41
Item	
Driver Version	Release16221 121-158
Media/Quality Setting	Default / Default
Simplex B&W Settings	Default
Duplex B&W Settings	Default
Settings N set count	Application
Scalating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding Tray 2	
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Dutiering Unit Yes/No	Yes
Paper Manufacture	HP / Xerox
Paper Weight	240g / 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	16.42	23.60
	Duplex	26.08	12.30

Notes

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

Detailed Report: LETTER							
Office Category Test	FSOT (secs)	EFTP (ipm)		ESAT (ipm)	1 set + 30sec		
		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		(1 set)				
	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	17.01	14.10 (1 set)	20.22 (4 sets)	22.92 (25 sets)	23.64
		Simplex - Word	16.00	14.99 (1 set)	20.63 (4 sets)		23.67
Simplex - Excel		16.23	14.78 (1 set)	20.48 (4 sets)		23.50	
Simplex - Average		16.42	14.62 (1 set)	20.46 (4 sets)	22.9	23.60	
Duplex - Adobe Reader		27.07	9.84 (1 set)	10.88 (3 sets)		12.30	
Duplex - Word		25.46	9.42 (1 set)	11.14 (3 sets)		12.30	
Duplex - Excel		25.71	9.32 (1 set)	11.12 (3 sets)		12.30	
Duplex - Average		26.08	9.19 (1 set)	11.04 (3 sets)		12.30	

Notes

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7-3770 3.6 GHz
System Chip Set	Intel C21B 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 Drive/ESUR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
Printer	HP LaserJet MFP M436NDA
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 MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Printer	A4
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
P-W Version	10.82.01.01
Temperature and Humidity	173 degF / 23 degC 20.0 %RH
Voltage	220V
Test End Date and Time	4/10/2019 12:41

Item	Value
Driver Version	Release169221 121-158
Media/Quality Setting	Default / Default
Simplex B&W Settings	Default
Duplex B&W Settings	Default
Settings N set count	Application
Scalating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding Tray 2	
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Dutiering Unit (Yes/No)	Yes
Paper Manufacture	HP / Xerox
Paper Weight	240 / 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	16.33	23.74
	Duplex	25.99	12.32

Notes

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

Detailed Report: A4						
Colour Mode	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		(1 set)			
	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	16.69	14.20 (1 set)	20.34 (4 sets)	22.76 (25 sets)	23.81
	Simplex - Word	15.87	15.12 (1 set)	20.72 (4 sets)		23.69
	Simplex - Excel	16.21	14.81 (1 set)	20.63 (4 sets)		23.73
	Simplex - Average	16.3	14.71 (1 set)	20.56 (4 sets)		23.74
	Duplex - Adobe Reader	26.96	9.88 (1 set)	10.88 (3 sets)		12.30
	Duplex - Word	25.33	9.46 (1 set)	11.16 (3 sets)		12.36
	Duplex - Excel	25.66	9.34 (1 set)	11.14 (3 sets)		12.30
	Duplex - Average	26.0	9.22 (1 set)	11.06 (3 sets)		12.32

Notes

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7-3770 3.6 GHz
System Chip Set	Intel C21B 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 Drive (ES/UR A TA)
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
Printer	HP M436N
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 - Tabloid
HP LaserJet MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Printer	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
P-W Version	10.82.01.01
Temperature and Humidity	73 degF / 23 degC, 20.0 %RH
Voltage	220V
Test End Date and Time	4/10/2019 12:41

Item	Value
Driver Version	Release16221 121-158
Media/Quality Setting	Default / Default
Simplex B&W Settings	Default
Duplex B&W Settings	Default
Settings N set count	Application
Scalating function	Unchecked (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding Tray 2	
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Dutering Unit Yes/No	Yes
Paper Manufacture	HP / Xerox
Paper Weight	240 / 75 g/m2
Paper Size/Letter / A4	
Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Tabloid			
Office Category	Test for B&W Device	FSOT (seconds)	ESAT (ipm)
B&W	Simplex	25.71	13.02
	Duplex	36.45	8.60

Notes

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

Detailed Report: Tabloid						
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	27.14 (1 set)	8.84 (1 set)	11.01 (3 sets)	12.48 (15 sets)	13.03
	Simplex - Word	24.89 (1 set)	9.64 (1 set)	11.67 (3 sets)		13.01
	Simplex - Excel	25.10 (1 set)	9.56 (1 set)	11.62 (3 sets)		13.03
	Simplex - Average	25.71	9.34	11.43	12.48	13.02
	Duplex - Adobe Reader	37.82 (1 set)	6.34 (1 set)	7.68 (3 sets)		8.62
	Duplex - Word	35.00 (1 set)	6.84 (1 set)	7.92 (3 sets)		8.60
	Duplex - Excel	36.51 (1 set)	6.56 (1 set)	7.78 (3 sets)		8.90
	Duplex - Average	36.45	6.58	7.79		8.60

Notes

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7-3770 3.6 GHz
System Chip Set	Intel C21B 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 Drive GSR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
Printer	HP M436N
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 - A3
HP LaserJet MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Printer	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
P-W Version	10.82.01.01
Temperature and Humidity	173 degF / 23 degC 20.0 %RH
Voltage	220V
Test End Date and Time	4/10/2019 12:41
Item	
Driver Version	Release169221 121-158
Media/Quality Setting	Default / Default
Simplex B&W Settings	Default
Duplex B&W Settings	Default
Settings N set count	Application
Scalating function	Unchecked (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding Tray 2	
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Dutiering Unit Y/Yes/No	Yes
Paper Manufacture	HP / Xerox
Paper Weight	240 / 75 g/m2
Paper Size/Letter / A4	
Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A3			
Office Category	Test for B&W Device	FSOT (seconds)	ESAT (ipm)
B&W	Simplex	16.42	12.93
	Duplex	26.08	8.66

Notes

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

Detailed Report: A3						
Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)	
	1 set only (# of sets)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4 min (# of sets)	1 set + 30sec	
Color Mode	Simplex - Adobe Reader		(1 set)			
	Simplex - Word		(1 set)			
	Simplex - Excel		(1 set)			
	Simplex - Average		(1 set)			
	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	27.22	8.81 (1 set)	11.16 (3 sets)	12.31 (14 sets)
		Simplex - Word	24.82	9.66 (1 set)	11.50 (3 sets)	12.93
Simplex - Excel		25.05	9.57 (1 set)	11.57 (3 sets)	12.94	
Simplex - Average		25.70	9.34 (1 set)	11.44 (3 sets)	12.93	
Duplex - Adobe Reader		37.65	6.36 (1 set)	7.72 (3 sets)	8.66	
Duplex - Word		34.82	6.88 (1 set)	7.96 (3 sets)	8.66	
Duplex - Excel		36.33	6.65 (1 set)	7.52 (3 sets)	8.66	
Duplex - Average		36.27	6.61 (1 set)	7.83 (3 sets)	8.66	

Notes

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7-3770 3.6 GHz
System Chip Set	Intel C21B 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 Drive (ESUR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0 U
OS	OS/1
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
HP LaserJet MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Printer	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
P.W. Version	V3.82.01.01
Temperature and Humidity	73 degF / 23 degC 20.0 %RH
Voltage	220V
Test End Date and Time	4/10/2019 12:41
Item	
Item	Value
Mode and Setting	Driver Version: Release 16221 121-158
	Media/Quality Setting: Default / Default
	Simplex B&W Settings: Default
	Duplex B&W Settings: Default
	Settings N set count: Application
	Scalading 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)
	Dustering Unit: Yes/No: Yes
Paper	Paper Manufacturer: HP / Xerox
	Paper Weight: 240 / 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	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	Simplex		
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex		
Legal, Duplex, Colour	Duplex		
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex		
A5, Portrait Feed, Simplex, B/W	Simplex	101%	82%
Legal, Simplex, B/W	Simplex		
Legal, Duplex, B/W	Duplex		
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex		
Letter, General Office, Simplex, B/W	Simplex		

Notes

- 1) All printing device and driver settings were at default mode.
- 2) Test conducted with 8-pager Office Feature Performance file.
- 3) For more information see <http://www.hp.com/go/productivity>.
- 4) Port monitor not configured to follow device if the P 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			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ppm)	FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour						
A5, Portrait Feed, Simplex, Colour						
Legal, Simplex, Colour						
Legal, Duplex, Colour						
A4, 1200 dpi, Simplex, Colour						
Letter, 1200 dpi, Simplex, Colour						
A4, General Office, Simplex, Colour						
Letter, General Office, Simplex, Colour						
A5, Landscape Feed, Simplex, B/W	27.75	23.65				
A5, Portrait Feed, Simplex, B/W	27.75	23.65	27.53	19.6	101%	82%
Legal, Simplex, B/W						
Legal, Duplex, B/W						
A4, 1200 dpi, Simplex, B/W	27.75	23.65				
Letter, 1200 dpi, Simplex, B/W						
A4, General Office, Simplex, B/W	27.75	23.65				
Letter, General Office, Simplex, B/W						

Notes

- 1) All printing device and driver settings were at default mode.
- 2) Test conducted with 8-pager Office Feature Performance file.
- 3) For more information see <http://www.hp.com/go/productivity>.
- 4) Port monitor not configured to follow device if the P 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 S.Mbus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (SATA)
	Video Subsystem	AMD Radeon HD 8350
	Optical Drive	HP DVD A DHT6aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	TCP/IP 10/100
	Operating System	Windows 7 64 Bit
Software	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 MFP M436NDA

Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	v3.82.01.01
Configuration (options)	Default
Controller	NA
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	4/16/2019 12:41

Item	Value
Mode and Setting	
PDL and driver version	Release16221_121-158
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
Paper	
Paper type setting	default
Paper feeding	Standard cassette
Paper Path	
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		FPOT from Ready (seconds)
B&W	Simplex	8.56
	Duplex	

- 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.
 - 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
Color Mode	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	8.22	8.47	8.97	8.56	21 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			25.06		61 Minutes
	Recovery Time			16.1		
	FPOT from Off - Simplex			35.29		
	Warm-up Time			26.32		

- 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.
 - 5) Page counts were collected after completion of the tests.
 - 6) Details for FPOT from Sleep are shown below.

HP Data Table

Detailed Report: LETTER							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep	25.06	24.95	25.02	25.21	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	21.43	21.46	21.40	N/A	Adobe Reader	16 Minutes

- 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) DLP includes detailed iterations as data measurements may vary run to run.

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 8350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
Printing Device Connection	
TCP/IP	10/1000
Software	
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
	Release16221_121-158

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

Full Detailed Test Report - A4

HP LaserJet MFP M436NDA	
Printing device and settings	
Test Start Date and Time	4/11/2019 13:29
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	V3.82.01.01
Configuration (options)	Default
Controller	NA
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	4/16/2019 12:41

Item		Value
Mode and Setting	PDL and driver version	Release16221_121-158
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
Paper	Paper type setting	default
	Paper feeding	Standard cassette
Paper Path	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		FPOT from Ready (seconds)
B&W	Simplex	8.52
	Duplex	

Notes
 1) All printing device and driver settings w ere default mode.
 2) For the B/W results, the print driver w as 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.
 5) Page counts w ere 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
Color Mode	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	8.17	8.34	9.03	8.52	21 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			24.75		61 Minutes
	Recovery Time			15.7		
	FPOT from Off - Simplex			37.28		
	Warm-up Time			28.25		

Notes
 1) All printing device and driver settings w ere default mode.
 2) For the B/W results, the print driver w as 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.
 5) Page counts w ere collected after completion of the tests.
 6) Details for FPOT from Sleep are shown below.

HP Data Table

Detailed Report: A4							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes)	N/A	N/A	N/A	N/A	Adobe Reader	
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	24.75	24.70	24.80	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes)	20.79	20.56	21.01	N/A	Adobe Reader	16 Minutes
	HP/Non ISO Test						

Notes
 1) All printing device and driver settings w ere default mode.
 2) For the B/W results, the print driver w as set to "print in B/W".
 3) DLP includes detailed iterations as data measurements may vary run to run.

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
	IO Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP 10/1000	
Software	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 Release16221_121-158

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet MFP M436NDA

Machine Setup Information	
Test Start Date and Time	4/16/2019 15:01
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	v3.82.01.01
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	4/17/2019 8:10

	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	7.48	23.85

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	7.48	8.02	20.06 16 sets	23.02 100 sets	23.85
	B					
	C					
	D					
	Average	7.48	8.02	20.06	23.02	23.85

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP LaserJet MFP M436NDA

Machine Setup Information	
Test Start Date and Time	4/16/2019 15:01
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	v3.82.01.01
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	4/17/2019 8:10

	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	7.43	23.60

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	7.43	8.07	19.96 16 sets	22.86 99 sets	23.60
	B					
	C					
	D					
	Average	7.43	8.07	19.96	22.86	23.60

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	4/17/2019 8:33
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	v3.82.01.01
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	4/18/2019 9:44

Pre-set Item	Pre-set Value
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default

Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report

Detailed Report: LETTER

	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	18.42	13.02	21.37 7 sets	23.16 28 sets	23.89
	1:2	29.97	8.00	11.12 5 sets		12.32
	2:2	31.84	7.52	10.92 5 sets		12.30

Notes

Reports located: <http://www.hp.com/go/printerclaims>

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	4/17/2019 8:33
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
FW Version	v3.82.01.01
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	4/18/2019 9:44

Pre-set Item	Pre-set Value
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default

Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	18.21	13.18	21.39 7 sets	23.02 28 sets	23.85
	1:2	29.85	8.02	11.16 5 sets		12.36
	2:2	31.62	7.58	10.96 5 sets		12.32

Notes
Reports located: <http://www.hp.com/go/printerclaims>

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	8/24/2016 7:16
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	8/25/2016 15:54

Mode and Setting	Preset Item	Preset Value
		Scanning resolution
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF	Paper feed direction	default (long edge)
Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Letter

	File format version	Resolution	Scanning Mode	Measurement result
			Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	35.05
			double sided	13.38
B&W	PDF 1.7	200	single sided	35.00
			double sided	13.54

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Letter

	File format version	Resolution	Scanning Mode	Measurement result		
			Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	28.80	39.23	9.00
			double sided	11.06	13.85	3.00
B&W	PDF 1.7	200	single sided	29.59	1.41	9.00
			double sided	12.00	0.46	3.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Letter

	File format version	Resolution	Scanning Mode	Measurement result		
			Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	21.27	32.36	35.05
			double sided	10.80	12.21	13.38
B&W	PDF 1.7	200	single sided	21.42	32.3	35
			double sided	10.85	12.5	13.54

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Letter

	File format version	Resolution	Scanning Mode	Measurement result			
			Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	16.57	28.80	39.23	9
			double sided	9.28	11.06	13.85	3
B&W	PDF 1.7	200	single sided	16.00	29.59	1.41	9
			double sided	10.00	12.00	0.46	3

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	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
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	8/24/2016 7:16
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	8/25/2016 15:54

Mode and Setting	Preset Item	Preset Value
	Scanning resolution	default (200 dpi)
Colour or grey scale/B&W	default (colour)	
Duplex / simplex	default (simplex)	
Original page size	default (A4)	
Paper feed orientation	default (long edge)	
Scan destination	default (shared network)	
Storing File Type	default (PDF-multi)	
Auto scan quality adjustment	default (factory preset default setting)	
ADF Paper-path	Paper feed direction	default (long edge)
	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	35.99
			double sided	13.53
B&W	PDF 1.7	200	single sided	35.79
			double sided	13.70

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	27.26	38.50	9.00
			double sided	11.80	13.73	3.00
B&W	PDF 1.7	200	single sided	30.86	1.26	9.00
			double sided	8.50	0.42	3.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	21.56	33.39	35.99
			double sided	10.96	12.56	13.53
B&W	PDF 1.7	200	single sided	21.81	33.5	35.79
			double sided	10.97	12.42	13.7

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	10.50	27.26	38.50	9
			double sided	9.80	11.80	13.73	3
B&W	PDF 1.7	200	single sided	15.50	30.86	1.26	9
			double sided	6.34	8.50	0.42	3

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	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
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - Tabloid

Machine Setup Information	
Test Start Date and Time	8/24/2016 7:16
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	8/25/2016 15:54

Mode and Setting	Preset Item	Preset Value
		Scanning resolution
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF	Paper feed direction	default (long edge)
Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Tabloid

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	12.01
			double sided	9.04
B&W	PDF 1.7	200	single sided	21.28
			double sided	9.78

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Tabloid

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	10.67	49.56	6.00
			double sided	8.09	24.20	3.00
B&W	PDF 1.7	200	single sided	18.36	1.94	7.00
			double sided	8.78	0.87	3.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Tabloid

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	10.71	11.64	12.01
			double sided	7.90	8.44	9.04
B&W	PDF 1.7	200	single sided	15.38	20.2	21.28
			double sided	8.32	9.24	9.78

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Tabloid

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	9.23	10.67	49.56	6
			double sided	6.75	8.09	24.20	3
B&W	PDF 1.7	200	single sided	10.01	18.36	1.94	7
			double sided	7.39	8.78	0.87	3

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	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
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A3

Machine Setup Information	
Test Start Date and Time	8/24/2016 7:16
Tester	AH
Machine name/model	HP LaserJet MFP M436NDA
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	220V
Test End Date and Time	8/25/2016 15:54

Mode and Setting	Preset Item	Preset Value
		Scanning resolution
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF	Paper feed direction	default (long edge)
Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	12.30
			double sided	9.12
B&W	PDF 1.7	200	single sided	21.26
			double sided	9.86

Notes
 1) For more information see <http://www.hp.com/go/printerclaims>.
 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	10.68	54.07	6.00
			double sided	8.18	28.64	3.00
B&W	PDF 1.7	200	single sided	18.26	2.10	7.00
			double sided	8.94	0.89	3.00

Notes
 1) For more information see <http://www.hp.com/go/printerclaims>.
 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	10.87	11.74	12.3
			double sided	7.91	8.51	9.12
B&W	PDF 1.7	200	single sided	15.32	19.99	21.26
			double sided	8.34	9.31	9.86

Notes
 1) For more information see <http://www.hp.com/go/printerclaims>.
 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A3

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	9.05	10.68	54.07	6
			double sided	7.50	8.18	28.64	3
B&W	PDF 1.7	200	single sided	10.43	18.26	2.10	7
			double sided	7.62	8.94	0.89	3

Notes
 1) For more information see <http://www.hp.com/go/printerclaims>.
 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
	Item	Value
System	Computer name	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
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	