

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER
HP Color LaserJet MFP E87660DU

Printing device and settings		
Test Start Date and Time	7/8/2019 6:14	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E87660DU	
Colour or B&W	Colour	
FW Version	2407346_045692	
Temperature and Humidity	74 degF / 23 degC 26.0 %rH	
Voltage	220V	
Test End Date and Time	8/1/2019 13:34	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
	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

Summary Report: Letter			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	10.52	60.59
	Duplex	16.23	60.69
B&W	Simplex	9.30	60.59
	Duplex	13.84	60.69

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)
Color Mode	Simplex - Adobe Reader	10.90	22.01 (1 set)	50.21 (9 sets)	52.85 (62 sets)	60.59
	Simplex - Word	10.19	23.55 (1 set)	51.09 (9 sets)		60.60
	Simplex - Excel	10.46	22.95 (1 set)	51.12 (9 sets)		60.60
	Simplex - Average	10.52	22.83	50.80	52.85	60.59
	Duplex - Adobe Reader	16.51	14.52 (1 set)	43.04 (9 sets)		60.68
	Duplex - Word	16.40	14.62 (1 set)	44.78 (9 sets)		60.68
	Duplex - Excel	15.77	15.20 (1 set)	45.38 (9 sets)		60.72
	Duplex - Average	16.23	14.78	44.40		60.69
B&W mode (optional for color device)	Simplex - Adobe Reader	9.46	25.36 (1 set)	52.66 (9 sets)	58.31 (62 sets)	60.59
	Simplex - Word	8.88	27.05 (1 set)	53.56 (9 sets)		60.59
	Simplex - Excel	9.55	25.16 (1 set)	52.05 (9 sets)		60.60
	Simplex - Average	9.30	25.85	52.75	58.3	60.59
	Duplex - Adobe Reader	14.24	16.84 (1 set)	46.54 (9 sets)		60.68
	Duplex - Word	13.41	17.90 (1 set)	46.96 (9 sets)		60.70
	Duplex - Excel	13.86	17.32 (1 set)	47.36 (9 sets)		60.70
	Duplex - Average	13.84	17.35	46.95		60.69

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	Builton
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 Color LaserJet MFP E87660DU

Printing device and settings		
Test Start Date and Time	7/8/2019 6:14	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E87660DU	
Colour or B&W	Colour	
FW Version	2407346_045692	
Temperature and Humidity	74 degF / 23 degC 26.0 %rH	
Voltage	220V	
Test End Date and Time	8/1/2019 13:34	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
	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

Summary Report: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	10.82	60.60
	Duplex	16.59	60.69
B&W	Simplex	9.01	60.60
	Duplex	13.93	60.68

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
Colour Mode	Simplex - Adobe Reader	11.69	20.53 (1 set)	48.68 (9 sets)	57.57 (62 sets)	60.61
	Simplex - Word	10.47	22.92 (1 set)	51.04 (9 sets)		60.59
	Simplex - Excel	10.29	23.33 (1 set)	51.20 (9 sets)		60.60
	Simplex - Average	10.82	22.26	50.30	57.57	60.60
	Duplex - Adobe Reader	17.09	14.04 (1 set)	43.68 (9 sets)		60.70
	Duplex - Word	16.03	14.98 (1 set)	44.92 (9 sets)		60.68
	Duplex - Excel	16.64	14.42 (1 set)	45.02 (9 sets)		60.70
	Duplex - Average	16.6	14.48	44.54		60.69
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	9.41	25.51 (1 set)	52.52 (9 sets)	58.57 (62 sets)	60.59
	Simplex - Word	8.74	27.47 (1 set)	51.67 (9 sets)		60.60
	Simplex - Excel	8.86	27.10 (1 set)	53.25 (9 sets)		60.61
	Simplex - Average	9.0	26.69	52.48	58.6	60.60
	Duplex - Adobe Reader	14.19	16.90 (1 set)	44.04 (9 sets)		60.70
	Duplex - Word	13.66	17.56 (1 set)	47.50 (9 sets)		60.68
	Duplex - Excel	13.92	17.24 (1 set)	46.32 (9 sets)		60.68
	Duplex - Average	13.9	17.23	45.95		60.68

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 - Tabloid
HP Color LaserJet MFP E87660DU

Printing device and settings		
Test Start Date and Time	7/8/2019 6:14	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E87660DU	
Colour or B&W	Colour	
FW Version	2407346_045692	
Temperature and Humidity	74 degF / 23 degC 26.0 %rH	
Voltage	220V	
Test End Date and Time	8/1/2019 13:34	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
	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
	Output Orientation	Default (face down)
Paper	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: Tabloid			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	10.52	30.60
	Duplex	16.23	30.64
B&W	Simplex	13.60	30.61
	Duplex	19.77	30.64

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: 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)
Color Mode	Simplex - Adobe Reader	16.05	14.95 (1 set)	24.37 (5 sets)	28.64 (32 sets)	30.61
	Simplex - Word	15.61	15.38 (1 set)	25.49 (5 sets)		30.60
	Simplex - Excel	15.14	15.85 (1 set)	25.84 (5 sets)		30.61
	Simplex - Average	15.60	15.39 (1 set)	25.23 (5 sets)	28.64	30.60
	Duplex - Adobe Reader	24.93	9.62 (1 set)	21.34 (5 sets)		30.64
	Duplex - Word	23.31	10.28 (1 set)	21.70 (5 sets)		30.64
	Duplex - Excel	22.66	10.58 (1 set)	22.24 (5 sets)		30.64
	Duplex - Average	23.64	10.16 (1 set)	21.76 (5 sets)		30.64
B&W mode (optional for color device)	Simplex - Adobe Reader	14.13	16.99 (1 set)	26.46 (5 sets)	29.35 (32 sets)	30.62
	Simplex - Word	13.25	18.11 (1 set)	26.62 (5 sets)		30.61
	Simplex - Excel	13.41	17.91 (1 set)	27.02 (5 sets)		30.61
	Simplex - Average	13.60	17.67 (1 set)	26.70 (5 sets)	29.35	30.61
	Duplex - Adobe Reader	21.41	11.20 (1 set)	22.56 (5 sets)		30.64
	Duplex - Word	19.51	12.28 (1 set)	23.50 (5 sets)		30.64
	Duplex - Excel	18.37	13.06 (1 set)	23.50 (5 sets)		30.64
	Duplex - Average	19.77	12.18 (1 set)	23.18 (5 sets)		30.64

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 - A3

HP Color LaserJet MFP E87660DU

Printing device and settings		
Test Start Date and Time	7/8/2019 6:14	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E87660DU	
Colour or B&W	Colour	
FW Version	2407346_045692	
Temperature and Humidity	74 degF / 23 degC 26.0 %rH	
Voltage	220V	
Test End Date and Time	8/1/2019 13:34	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
	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
	Output Orientation	Default (face down)
Paper	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: A3

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	10.52	30.60
	Duplex	16.23	30.64
B&W	Simplex	15.47	30.61
	Duplex	20.14	30.63

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: A3

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)	
Color Mode	Simplex - Adobe Reader	15.93	15.06 (1 set)	25.83 (6 sets)	29.02 (32 sets)	30.60
	Simplex - Word	15.40	15.58 (1 set)	26.42 (6 sets)		30.60
	Simplex - Excel	14.87	16.15 (1 set)	26.38 (6 sets)		30.61
	Simplex - Average	15.40	15.59	26.21	29.02	30.60
	Duplex - Adobe Reader	24.51	9.78 (1 set)	21.10 (5 sets)		30.64
	Duplex - Word	22.45	10.68 (1 set)	22.10 (5 sets)		30.64
	Duplex - Excel	21.76	11.02 (1 set)	22.14 (5 sets)		30.64
	Duplex - Average	22.91	10.49	21.78		30.64
B&W mode (optional for color device)	Simplex - Adobe Reader	13.73	17.48 (1 set)	25.25 (5 sets)	29.42 (32 sets)	30.61
	Simplex - Word	16.32	14.71 (1 set)	26.95 (5 sets)		30.62
	Simplex - Excel	16.34	14.69 (1 set)	26.94 (5 sets)		30.61
	Simplex - Average	15.47	15.62	26.38	29.42	30.61
	Duplex - Adobe Reader	21.41	11.20 (1 set)	22.70 (5 sets)		30.64
	Duplex - Word	19.94	12.02 (1 set)	23.62 (5 sets)		30.64
	Duplex - Excel	19.07	12.58 (1 set)	23.42 (5 sets)		30.62
	Duplex - Average	20.14	11.93	23.24		30.63

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	Buillim
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
HP Color LaserJet MFP E87660DU

Printing device and settings		
Test Start Date and Time	7/8/2019 6:14	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E87660DU	
Colour or B&W	Colour	
FW Version	2407346_045692	
Temperature and Humidity	74 degF / 23 degC 26.0 %rH	
Voltage	220V	
Test End Date and Time	8/1/2019 13:34	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
	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
	Output Orientation	Default (face down)
Paper	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

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	104%	93%
A5, Portrait Feed, Simplex, Colour	Simplex	102%	94%
Legal, Simplex, Colour	Simplex	75%	53%
Legal, Duplex, Colour	Duplex	57%	48%
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	100%	100%
A5, Portrait Feed, Simplex, B/W	Simplex	101%	95%
Legal, Simplex, B/W	Simplex	63%	54%
Legal, Duplex, B/W	Duplex	51%	58%
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 default mode.
 2) Test conducted with 8-paper Office Feature Performance file.
 3) For more information see <http://w.w.w.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			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	15.02	60.62	14.51	56.6	104%	93%
A5, Portrait Feed, Simplex, Colour	15.02	60.62	14.76	57.5	102%	94%
Legal, Simplex, Colour	15.38	60.63	20.75	32.5	75%	53%
Legal, Duplex, Colour	15.38	60.63	27.17	29.1	57%	48%
A4, 1200 dpi, Simplex, Colour	15.02	60.62				
Letter, 1200 dpi, Simplex, Colour	15.38	60.63				
A4, General Office, Simplex, Colour	15.02	60.62				
Letter, General Office, Simplex, Colour	15.38	60.63				
A5, Landscape Feed, Simplex, B/W	13.34	60.6	13.39	60.6	100%	100%
A5, Portrait Feed, Simplex, B/W	13.34	60.6	13.21	57.9	101%	95%
Legal, Simplex, B/W	13.14	60.59	21.14	32.7	63%	54%
Legal, Duplex, B/W	13.14	60.59	25.94	35.3	51%	58%
A4, 1200 dpi, Simplex, B/W	13.34	60.6				
Letter, 1200 dpi, Simplex, B/W	13.14	60.59				
A4, General Office, Simplex, B/W	13.34	60.6				
Letter, General Office, Simplex, B/W	13.14	60.59				

- 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://w.w.w.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 DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	TCP/IP 10/1000
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 Color LaserJet MFP E87660DU

Printing device and settings	
Test Start Date and Time	7/8/2019 6:14
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Default
Controller	n/a
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	8/1/2019 13:34

Item	Value
Mode and Setting	
PDL and driver version	6.6.5.23510
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
Paper	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
Paper Path	
Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		FPOT from Ready (seconds)
Color	Simplex	7.56
	Duplex	
B&W	Simplex	6.15
	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	7.30	7.36	8.02	7.56	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			37.55		76 Minutes
	Recovery Time			29.5		
	FPOT from Off - Simplex			160.88		
	Warm-up Time			152.86		
B&W Mode	FPOT from Ready - Simplex	5.85	6.17	6.40	6.15	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			39.37		76 Minutes
	Recovery Time			33.0		
	FPOT from Off - Simplex			165.82		
	Warm-up Time			159.42		

- 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	37.55	36.68	38.42	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	20.83	20.64	21.01	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	39.37	39.09	39.65	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	22.23	22.35	22.11	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						

- 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 6350
	Optical Drive	HP DVD A DH16aC5HR 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 Adobe Reader 10.1.4
	Print Driver	6.6.5.23510

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

Full Detailed Test Report - A4

HP Color LaserJet MFP E87660DU

Printing device and settings	
Test Start Date and Time	7/8/2019 6:14
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Default
Controller	n/a
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	8/1/2019 13:34

Item	Value
Mode and Setting	PDL and driver version 6.6.5.23510
	Print Quality mode default
	B&W settings default
	Paper feed orientation Short Edge
Paper	Paper type setting default
	Paper feeding Standard cassette
	Paper exit Standard exit tray
Paper Path	Output orientation default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		FPOT from Ready (seconds)
Colour	Simplex	7.63
	Duplex	
B&W	Simplex	6.24
	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: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	7.25	7.45	8.19	7.63	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.55		76 Minutes
	Recovery Time			30.4		
	FPOT from Off - Simplex			162.23		
	Warm-up Time			154.04		
B&W Mode	FPOT from Ready - Simplex	5.93	6.03	6.74	6.24	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			39.82		76 Minutes
	Recovery Time			33.1		
	FPOT from Off - Simplex			167.21		
	Warm-up Time			160.47		

- 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: A4							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	38.55	38.50	38.60	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.30	18.47	18.12	N/A	Adobe Reader	15 Minutes
B&W Mode	FPOT from Sleep	39.82	39.41	40.22	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.95	19.03	18.86	N/A	Adobe Reader	15 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 6350
	Optical Drive	HP DVD A DH16aC5HR 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 Adobe Reader 10.1.4
	Print Driver	6.6.5.23510

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP Color LaserJet MFP E87660DU

Machine Setup Information	
Test Start Date and Time	7/15/2019 7:13
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Test End Date and Time:	8/2/2019 12:21

	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)
Color	4.36	60.59
B&W	4.41	60.60

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: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	4.36	13.77	50.15 32 sets	59.01 245 sets	60.59
	B					
	C					
	D					
	Average	4.36	13.77	50.15	59.01	60.59
B&W	A	4.41	13.60	51.91 32 sets	59.02 245 sets	60.60
	B					
	C					
	D					
	Average	4.41	13.60	51.91	59.02	60.60

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 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP Color LaserJet MFP E87660DU

Machine Setup Information	
Test Start Date and Time	7/15/2019 7:13
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Test End Date and Time:	8/2/2019 12:21

	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)
Colour	4.54	60.62
B&W	4.18	60.58

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	
Colour	A	4.54	13.21	50.48 32 sets	58.92 246 sets	60.62
	B					
	C					
	D					
	Average	4.54	13.21	50.48	58.92	60.62
B&W	A	4.18	14.38	51.65 32 sets	59.21 244 sets	60.58
	B					
	C					
	D					
	Average	4.18	14.38	51.65	59.21	60.58

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	7/15/2019 9:29
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Test End Date and Time:	8/2/2019 13:22
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	9.97	24.08	51.25	58.75	60.23
			(1 set)	9 sets	62 sets	
	1:2	16.67	14.40	47.14	58.75	60.70
			(1 set)	10 sets	62 sets	
	2:2	16.84	14.24	46.24	58.93	60.70
			(1 set)	10 sets	65 sets	
B&W mode	1:1	9.76	24.59	51.91	58.93	60.50
				9 sets	65 sets	
	1:2	16.19	14.82	46.20	58.93	60.72
				10 sets	62 sets	
	2:2	15.98	15.00	46.38	58.93	60.68
				10 sets	62 sets	
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	7/15/2019 9:29
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
FW Version	2407346_045692
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Test End Date and Time:	8/2/2019 13:22
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: 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	10.14	23.67	51.60	58.60	60.55
			(1 set)	9 sets	62 sets	
	1:2	17.92	13.38	45.66	58.60	60.70
			(1 set)	10 sets	62 sets	
	2:2	16.62	14.44	45.56	58.60	60.72
			(1 set)	10 sets	62 sets	
B&W mode	1:1	10.10	23.78	50.90	58.84	60.56
				9 sets	62 sets	
	1:2	16.14	14.86	46.34	58.84	60.70
				10 sets	62 sets	
	2:2	15.91	15.06	46.28	58.84	60.70
				10 sets	62 sets	
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	7/22/2019 14:10
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	7/22/2019 16:46

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 1.4	200	single sided	83.90
			double sided	168.66
B&W	PDF 1.4	200	single sided	83.93
			double sided	168.52

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 1.4	200	single sided	59.38	4.98	12.00
			double sided	66.10	9.03	23.00
B&W	PDF 1.4	200	single sided	66.97	2.08	12.00
			double sided	121.33	3.81	23.00

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 1.4	200	single sided	38.19	76.33	83.9
			double sided	41.94	151.43	168.66
B&W	PDF 1.4	200	single sided	36.39	77.02	83.93
			double sided	45.97	150.71	168.52

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 1.4	200	single sided	25.33	59.38	4.98	12
			double sided	22.00	66.10	9.03	23
B&W	PDF 1.4	200	single sided	25.33	66.97	2.08	12
			double sided	30.00	121.33	3.81	23

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
	Connction 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	7/22/2019 14:10
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	7/22/2019 16:46

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: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	85.74
			double sided	171.99
B&W	PDF 1.4	200	single sided	85.50
			double sided	171.39

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 1.4	200	single sided	61.93	4.46	12.00
			double sided	66.30	9.03	25.00
B&W	PDF 1.4	200	single sided	66.21	1.90	12.00
			double sided	122.54	3.84	24.00

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 1.4	200	single sided	37.62	79.17	85.74
			double sided	43.28	154.83	171.99
B&W	PDF 1.4	200	single sided	37.79	77.87	85.5
			double sided	44.10	152.13	171.39

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 1.4	200	single sided	22.90	61.93	4.46	12
			double sided	24.00	66.30	9.03	25
B&W	PDF 1.4	200	single sided	26.66	66.21	1.90	12
			double sided	30.00	122.54	3.84	24

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	7/22/2019 14:10
Tester	AW
Machine name/model	HP Color LaserJet MFP E87660DU
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	7/22/2019 16:46

	Preset Item	Preset Value	
Mode and Setting	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: Tabloid](#)

	File format version	Resolution	Scanning Mode		Measurement result
			Scanning side	scESAT 30secA (ipm)	
Colour	PDF 1.4	200	single sided	50.12	
			double sided	100.40	
B&W	PDF 1.4	200	single sided	49.99	
			double sided	100.33	

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](#)

	File format version	Resolution	Scanning side	Measurement result		
				scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	32.27	7.07	8.00
			double sided	35.00	11.71	14.00
B&W	PDF 1.4	200	single sided	38.79	2.90	8.00
			double sided	70.00	4.60	14.00

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](#)

	File format version	Resolution	Scanning side	Measurement result		
				scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	29.07	45.73	50.12
			double sided	37.52	89.92	100.4
B&W	PDF 1.4	200	single sided	28.43	45.5	49.99
			double sided	36.86	89.29	100.33

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](#)

	File format version	Resolution	Scanning side	Measurement result			
				scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	17.14	32.27	7.07	8
			double sided	17.14	35.00	11.71	14
B&W	PDF 1.4	200	single sided	20.90	38.79	2.90	8
			double sided	25.33	70.00	4.60	14

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
	Connction 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	7/22/2019 14:10
Tester	AW
Machine name/model	HP_Color LaserJet MFP E87660DU
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	74 degF / 23 degC 26.0 %rH
Voltage	220V
Test End Date and Time	7/22/2019 16:46

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: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	51.75
			double sided	103.25
B&W	PDF 1.4	200	single sided	51.65
			double sided	103.15

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 1.4	200	single sided	31.73	6.65	8.00
			double sided	34.46	10.82	14.00
B&W	PDF 1.4	200	single sided	39.59	2.92	8.00
			double sided	71.48	4.63	14.00

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 1.4	200	single sided	28.64	46.93	51.75
			double sided	38.45	91.93	103.25
B&W	PDF 1.4	200	single sided	28.47	46.83	51.65
			double sided	35.90	91.02	103.15

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 1.4	200	single sided	17.80	31.73	6.65	8
			double sided	17.80	34.46	10.82	14
B&W	PDF 1.4	200	single sided	20.00	39.59	2.92	8
			double sided	21.80	71.48	4.63	14

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".

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