

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Managed MFP E87640DU

Printing device and settings		
	Test Start Date and Time	6/5/2019 9:57
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	FW Version	2407346 045692
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/26/2019 15:08
	Item	Value
Mode and Setting	Driver Version	6.7.0.23989
	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)
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: Letter

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	13.34	40.26
	Duplex	21.08	40.43
B&W	Simplex	11.51	40.25
	Duplex	18.50	40.43

Notes

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

Detailed Report: LETTER

	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	13.95	17.21 (1 set)	32.95 (7 sets)	35.43 (42 sets)	40.26
	Simplex - Word	13.07	18.36 (1 set)	34.40 (7 sets)		40.28
	Simplex - Excel	12.99	18.47 (1 set)	34.06 (7 sets)		40.26
	Simplex - Average	13.34	18.01 (1 set)	33.80 (7 sets)	35.43	40.26
	Duplex - Adobe Reader	21.91	10.94 (1 set)	28.56 (7 sets)		40.44
	Duplex - Word	20.73	11.58 (1 set)	28.68 (7 sets)		40.42
	Duplex - Excel	20.60	11.64 (1 set)	29.40 (7 sets)		40.44
	Duplex - Average	21.08	11.38 (1 set)	28.88 (7 sets)		40.43
	Simplex - Adobe Reader	11.78	20.38 (1 set)	35.29 (7 sets)	39.28 (42 sets)	40.25
	Simplex - Word	11.42	21.02 (1 set)	35.58 (7 sets)		40.26
B&W mode (optional for color device)	Simplex - Excel	11.33	21.19 (1 set)	35.14 (7 sets)		40.26
	Simplex - Average	11.51	20.86 (1 set)	35.33 (7 sets)	39.3	40.25
	Duplex - Adobe Reader	18.77	12.78 (1 set)	30.34 (7 sets)		40.44
	Duplex - Word	18.42	13.02 (1 set)	30.98 (7 sets)		40.42
	Duplex - Excel	18.30	13.10 (1 set)	30.76 (7 sets)		40.44
	Duplex - Average	18.50	12.96 (1 set)	30.69 (7 sets)		40.43

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
IO Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP Color LaserJet Managed MFP E87640DU

Printing device and settings		
	Test Start Date and Time	6/5/2019 9:57
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	FW Version	2407346 045692
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/26/2019 15:08
Mode and Setting	Item	Value
	Driver Version	6.7.0.23989
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
Paper Path	Setting N set count	Application
	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
Paper	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	13.41	40.26
	Duplex	21.31	40.44
B&W	Simplex	11.44	40.26
	Duplex	18.61	40.43

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)	
Colour Mode	Simplex - Adobe Reader	13.81	17.38	33.48	38.88	40.28
			(1 set)	(7 sets)	(42 sets)	
	Simplex - Word	13.23	18.15	34.15		40.25
			(1 set)	(7 sets)		
	Simplex - Excel	13.19	18.20	34.14		40.26
			(1 set)	(7 sets)		
	Simplex - Average	13.41	17.91	33.92	38.88	40.26
			10.88	27.70		
	Duplex - Adobe Reader	22.05	(1 set)	(7 sets)		40.42
			11.28	29.44		
	Duplex - Word	21.26	(1 set)	(7 sets)		40.46
			11.64	29.08		
	Duplex - Excel	20.60	(1 set)	(7 sets)		40.44
			11.26	28.74		
	Duplex - Average	21.3	11.26	28.74		40.44
			20.44	35.25	39.24	
B&W mode (optional for color device)	Simplex - Adobe Reader	11.74	(1 set)	(7 sets)	(42 sets)	40.28
			21.33	35.74		
	Simplex - Word	11.25	(1 set)	(7 sets)		40.26
			21.20	35.65		
	Simplex - Excel	11.32	(1 set)	(7 sets)		40.26
			20.99	35.54	39.2	
	Simplex - Average	11.4	12.50	30.56		40.42
			(1 set)	(7 sets)		
	Duplex - Adobe Reader	19.19	13.24	30.66		40.44
			(1 set)	(7 sets)		
	Duplex - Word	18.12	12.96	30.88		40.44
			(1 set)	(7 sets)		
	Duplex - Excel	18.51	12.90	30.70		40.43
			12.90	30.70		
	Duplex - Average	18.6	12.90	30.70		40.43
			12.90	30.70		

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
IO Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - Tabloid

HP Color LaserJet Managed MFP E87640DU

Printing device and settings		
	Test Start Date and Time	6/5/2019 9:57
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	FW Version	2407346 045692
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/26/2019 15:08
Mode and Setting	Item	Value
	Driver Version	6.7.0.23989
	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)
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	13.34	21.65
	Duplex	21.08	21.68
B&W	Simplex	17.30	21.65
	Duplex	25.85	21.65

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) 1 set only (1 set)	EFTP (ipm)			ESAT (ipm) 1 set + 30sec
			1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Color Mode	Simplex - Adobe Reader	21.03	11.41 (1 set)	17.64 (4 sets)	20.65 (23 sets)	21.65
	Simplex - Word	19.59	12.24 (1 set)	17.52 (4 sets)		21.65
	Simplex - Excel	19.42	12.36 (1 set)	18.14 (4 sets)		21.66
	Simplex - Average	20.02	12.00 (1 set)	17.76 (4 sets)	20.65	21.65
	Duplex - Adobe Reader	30.17	7.94 (1 set)	14.94 (4 sets)		21.68
	Duplex - Word	29.19	8.20 (1 set)	15.46 (4 sets)		21.68
	Duplex - Excel	27.94	8.58 (1 set)	14.86 (4 sets)		21.68
	Duplex - Average	29.10	8.24 (1 set)	15.08 (4 sets)		21.68
	Simplex - Adobe Reader	17.79	13.48 (1 set)	18.66 (4 sets)	21.01 (23 sets)	21.65
	Simplex - Word	17.03	14.10 (1 set)	18.71 (4 sets)		21.65
B&W mode (optional for color device)	Simplex - Excel	17.07	14.05 (1 set)	19.08 (4 sets)		21.66
	Simplex - Average	17.30	13.87 (1 set)	18.81 (4 sets)	21.01	21.65
	Duplex - Adobe Reader	26.96	8.88 (1 set)	15.68 (4 sets)		21.66
	Duplex - Word	25.73	9.32 (1 set)	16.44 (4 sets)		21.64
	Duplex - Excel	24.85	9.64 (1 set)	16.32 (4 sets)		21.66
	Duplex - Average	25.85	9.28 (1 set)	16.14 (4 sets)		21.65

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
IO Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A3

HP Color LaserJet Managed MFP E87640DU

Printing device and settings		
	Test Start Date and Time	6/5/2019 9:57
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	FW Version	2407346 045692
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/26/2019 15:08
	Item	Value
Mode and Setting	Driver Version	6.7.0.23989
	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)
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	13.34	21.64
	Duplex	21.08	21.67
B&W	Simplex	17.36	21.65
	Duplex	25.86	21.66

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	21.30	11.27 (1 set)	17.72 (4 sets)	20.80 (23 sets)	21.64
	Simplex - Word	19.67	12.20 (1 set)	17.91 (4 sets)		21.65
	Simplex - Excel	19.37	12.40 (1 set)	17.33 (4 sets)		21.65
	Simplex - Average	20.12	11.95 (1 set)	17.65 (4 sets)	20.80	21.64
	Duplex - Adobe Reader	29.96	8.00 (1 set)	15.02 (4 sets)		21.68
	Duplex - Word	29.30	8.18 (1 set)	15.42 (4 sets)		21.68
	Duplex - Excel	27.92	8.58 (1 set)	15.54 (4 sets)		21.66
	Duplex - Average	29.06	8.25 (1 set)	15.32 (4 sets)		21.67
	Simplex - Adobe Reader	18.00	13.33 (1 set)	18.69 (4 sets)	20.88 (23 sets)	21.65
	Simplex - Word	16.96	14.16 (1 set)	19.07 (4 sets)		21.65
B&W mode (optional for color device)	Simplex - Excel	17.10	14.03 (1 set)	19.05 (4 sets)		21.66
	Simplex - Average	17.36	13.84 (1 set)	18.93 (4 sets)	20.88	21.65
	Duplex - Adobe Reader	27.07	8.86 (1 set)	15.84 (4 sets)		21.66
	Duplex - Word	24.86	9.64 (1 set)	16.34 (4 sets)		21.66
	Duplex - Excel	25.64	9.34 (1 set)	16.44 (4 sets)		21.66
	Duplex - Average	25.86	9.28 (1 set)	16.20 (4 sets)		21.66

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
IO Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Feature Performance Full Report - Office Feature Performance Test

HP Color LaserJet Managed MFP E87640DU

Printing device and settings		
Test Start Date and Time	6/5/2019 9:57	
Tester	RM	
Machine name/model	HP Color LaserJet Managed MFP E87640DU	
Colour or B&W	Colour	
FW Version	2407346 045692	
Temperature and Humidity	74 degF / 23 degC 20.2 %rH	
Voltage	110V	
Test End Date and Time	6/26/2019 15:08	
Mode and Setting		
Mode and Setting	Item	Value
	Driver Version	6.7.0.23989
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in grayscale, black only
	Duplex B&W Settings	print in grayscale, black only
Paper Path	Setting N set count	Application
	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
Paper	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
Paper	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	98%	100%	
A5, Portrait Feed, Simplex, Colour	Simplex	100%	100%	
Legal, Simplex, Colour	Simplex	74%	61%	
Legal, Duplex, Colour	Duplex	57%	61%	
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	90%	100%	
A5, Portrait Feed, Simplex, B/W	Simplex	95%	100%	
Legal, Simplex, B/W	Simplex	72%	61%	
Legal, Duplex, B/W	Duplex	57%	61%	
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://www.hp.com/go/printerclaims>.
4) Port monitor not configured to follow device if the IP address changes.

Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test						
Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	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	20.28	40.24	20.8	40.3	98%	100%
A5, Portrait Feed, Simplex, Colour	20.28	40.24	20.41	40.3	100%	100%
Legal, Simplex, Colour	20.28	40.26	27.75	24.8	74%	61%
Legal, Duplex, Colour	20.28	40.26	35.61	24.8	57%	61%
A4, 1200 dpi, Simplex, Colour	20.28	40.24				
Letter, 1200 dpi, Simplex, Colour	20.28	40.26				
A4, General Office, Simplex, Colour	20.28	40.24				
Letter, General Office, Simplex, Colour	20.28	40.26				
A5, Landscape Feed, Simplex, B/W	18.23	40.25	20.28	40.3	90%	100%
A5, Portrait Feed, Simplex, B/W	18.23	40.25	19.29	40.3	95%	100%
Legal, Simplex, B/W	18.17	40.25	25.54	24.8	72%	61%
Legal, Duplex, B/W	18.17	40.25	32.28	24.8	57%	61%
A4, 1200 dpi, Simplex, B/W	18.23	40.25				
Letter, 1200 dpi, Simplex, B/W	18.17	40.25				
A4, General Office, Simplex, B/W	18.23	40.25				
Letter, General Office, Simplex, B/W	18.17	40.25				

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

Test System Parameters	
Item	Value
Test System	Computer HP Compaq Elite 8300 Small Form Factor
	Processor Intel Core i7-3770, 3.4 GHz
	System Chip Set Intel C216 Chipset Family SMBus Host Controller
	System Board system devices, default system BIOS
	System Memory 4 GB
	Hard Drive Subsystem Standard disk drive (Seagate)
	Video Subsystem AMD Radeon HD 6350
	Optical Drive HP DVD A DH16aCSHR ATA
	I/O Subsystem Built-in
	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 Color LaserJet Managed MFP E87640DU

Printing device and settings	
Test Start Date and Time	8/5/2019 9:57
Tester	RW
Machine name/model	HP Color LaserJet Managed MFP E87640DU
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 20.2 %rH
Voltage	110V
Test End Date and Time	8/26/2019 15:08
Item	Value
PDL and driver version	6.7.0.23989
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
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	8.74
	Duplex	
B&W	Simplex	7.05
	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	8.38	8.83	9.00	8.74	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			22.80		76 Minutes
	Recovery Time			13.8		
	FPOT from Off - Simplex			183.65		
	Warm-up Time			174.65		
B&W Mode	FPOT from Ready - Simplex	6.80	6.89	7.44	7.05	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			21.76		76 Minutes
	Recovery Time			14.3		
	FPOT from Off - Simplex			177.32		
	Warm-up Time			169.88		

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	22.80	22.02	23.58	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.96	20.17	19.74	N/A	Adobe Reader	15 Minutes
	FPOT from Sleep	21.76	21.73	21.78	N/A	Adobe Reader	76 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.42	18.33	18.50	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 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
		Adobe Reader 10.1.4
	Print Driver	6.7.0.23989

ISO/IEC 17629 First Print Out Time Report: Office Category
Full Detailed Test Report - A4

HP Color LaserJet Managed MFP E87640DU

Printing device and settings	
Test Start Date and Time	6/5/2019 9:57
Tester	RM
Machine name/model	HP Color LaserJet Managed MFP E87640DU
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 20.2 %rH
Voltage	110V
Test End Date and Time	6/26/2019 15:08

	Item	Value
Mode and Setting	PDL and driver version	6.7.0.23989
	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	8.81
	Duplex	
B&W	Simplex	7.04
	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	8.69	8.76	8.96	8.81	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			23.73		76 Minutes
	Recovery Time			14.8		
	FPOT from Off - Simplex			175.99		
	Warm-up Time			167.03		
B&W Mode	FPOT from Ready - Simplex	6.88	6.98	7.24	7.04	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			21.74		76 Minutes
	Recovery Time			14.5		
	FPOT from Off - Simplex			172.38		
	Warm-up Time			165.14		

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	23.73	23.81	23.65	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.74	19.49	19.99	N/A	Adobe Reader	15 Minutes
	FPOT from Sleep	21.74	21.72	21.76	N/A	Adobe Reader	76 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.34	18.34	18.34	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 DH16aCSHR ATA
	I/O Subsystem	Builitn
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 6.7.0.23989

Full Detailed Test Report - LETTER

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Notes

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

Full Detailed Test Report - A4

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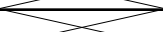

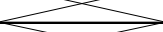
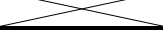
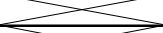
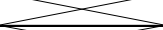

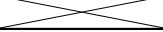
Notes

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.


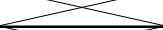
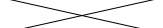
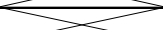
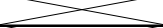
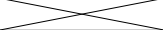
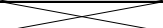
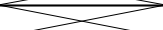
Only Target A w was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Full Detailed Test Report - LETTER

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	13.18	18.20	34.26	39.13	40.26
			(1 set)	7 sets	42 sets	
	1:2	21.73	11.04	29.28		40.42
			(1 set)	7 sets		
	2:2	21.59	11.12	29.26		40.44
			(1 set)	7 sets		
B&W mode	1:1	12.61	19.03	34.75	39.25	40.25
				7 sets	42 sets	
	1:2	21.48	11.16	29.56		40.44
				7 sets		
	2:2	21.17	11.32	29.58		40.44
				7 sets		

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

Full Detailed Test Report - 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	12.84	18.70	34.60	26.99	40.24
			(1 set)	7 sets	42 sets	
	1:2	21.50	11.16	29.44		40.42
			(1 set)	7 sets		
	2:2	21.32	11.26	29.42		40.46
			(1 set)	7 sets		
B&W mode	1:1	12.05	19.91	34.79	39.23	40.25
				7 sets	42 sets	
	1:2	20.75	11.56	29.66		40.44
				7 sets		
	2:2	20.62	11.64	29.72		40.44
				7 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	6/14/2019 11:16
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/14/2019 15:05

	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: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	85.28
			double sided	169.47
B&W	PDF 1.4	200	single sided	84.92
			double sided	169.58

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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

	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	59.38	4.88	12.00
			double sided	64.19	10.01	23.00
B&W	PDF 1.4	200	single sided	67.77	2.20	12.00
			double sided	121.33	4.18	23.00

Notes

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

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

Summary Report: Letter

	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	42.76	77.48	85.28
			double sided	52.97	154.96	169.47
B&W	PDF 1.4	200	single sided	40.85	78.34	84.92
			double sided	52.34	154.55	169.58

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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

	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	25.33	59.38	4.88	12
			double sided	26.66	64.19	10.01	23
B&W	PDF 1.4	200	single sided	28.33	67.77	2.20	12
			double sided	32.14	121.33	4.18	23

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	Built-in
	USB Subsystem	USB 2.0/3.0
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit_Build 7601, SP 1
	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	6/14/2019 11:16
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/14/2019 15:05

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: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	86.30
			double sided	171.69
B&W	PDF 1.4	200	single sided	86.46
			double sided	171.76

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	60.02	4.94	12.00
			double sided	64.56	8.99	23.00
B&W	PDF 1.4	200	single sided	68.57	2.19	12.00
			double sided	124.05	4.12	23.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	40.57	78.78	86.3
			double sided	53.21	157.48	171.69
B&W	PDF 1.4	200	single sided	43.99	80.39	86.46
			double sided	52.11	156.81	171.76

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	26.66	60.02	4.94	12
			double sided	26.66	64.56	8.99	23
B&W	PDF 1.4	200	single sided	28.33	68.57	2.19	12
			double sided	32.14	124.05	4.12	23

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	Built-in
	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	6/14/2019 11:16
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/14/2019 15:05

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)
	Paper feed direction	default (long edge)
ADF 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 1.4	200	single sided	49.60
			double sided	99.26
B&W	PDF 1.4	200	single sided	49.57
			double sided	99.10

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 1.4	200	single sided	33.98	5.96	8.00
			double sided	35.55	11.65	14.00
B&W	PDF 1.4	200	single sided	39.59	2.67	8.00
			double sided	70.74	4.68	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

	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	30.32	46.33	49.6
			double sided	43.86	91.14	99.26
B&W	PDF 1.4	200	single sided	31.87	46.31	49.57
			double sided	43.91	91	99.1

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 1.4	200	single sided	19.23	33.98	5.96	8
			double sided	20.00	35.55	11.65	14
B&W	PDF 1.4	200	single sided	21.81	39.59	2.67	8
			double sided	28.33	70.74	4.68	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
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	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	6/14/2019 11:16
	Tester	RM
	Machine name/model	HP Color LaserJet Managed MFP E87640DU
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	74 degF / 23 degC 20.2 %rH
	Voltage	110V
	Test End Date and Time	6/14/2019 15:05

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)
	Paper feed direction	default (long edge)
ADF 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 1.4	200	single sided	50.99
			double sided	100.89
B&W	PDF 1.4	200	single sided	50.78
			double sided	100.84

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	33.68	5.99	8.00
			double sided	35.74	10.20	14.00
B&W	PDF 1.4	200	single sided	40.85	2.68	8.00
			double sided	72.26	4.67	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	32.26	47.45	50.99
			double sided	43.61	92.46	100.89
B&W	PDF 1.4	200	single sided	31.20	47.48	50.78
			double sided	36.63	92.68	100.84

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	18.57	33.68	5.99	8
			double sided	18.46	35.74	10.20	14
B&W	PDF 1.4	200	single sided	22.90	40.85	2.68	8
			double sided	25.33	72.26	4.67	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		
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