

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Flow MFP E78330dn

Printing device and settings	
Test Start Date and Time	8/31/2020 12:57
Tester	JK
Machine name/model	HP Color LaserJet Flow MFP E78330dn
Colour or B&W	Colour
FW Version	Not Specified
Temperature and Humidity	78 degF / 26 degC 43 %rH
Voltage	Not Specified
Test End Date and Time	9/1/2020 13:30

Mode and Setting	Item	Value
	Driver Version	Not Specified
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Not Specified
	Duplex B&W Settings	Not Specified
	Setting N set count	Not Specified
	Collating function	Not Specified
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
	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	17.23	30.14
	Duplex	26.54	21.97
B&W	Simplex	14.24	30.14
	Duplex	23.73	21.78

Notes
1) All printing device and driver settings were default mode.
2) For the BW results, the print driver was set to "print in BW".
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	17.64	13.60 (1 set)	24.03 (5 sets)	29.12 (32 sets)
	Simplex - Word	17.14	14.00 (1 set)	24.41 (5 sets)	
	Simplex - Excel	16.91	14.20 (1 set)	24.53 (5 sets)	
	Simplex - Average	17.23	13.93 (1 set)	24.32 (5 sets)	29.12
	Duplex - Adobe Reader	26.55	9.02 (1 set)	15.92 (4 sets)	
	Duplex - Word	26.67	8.98 (1 set)	15.80 (4 sets)	
	Duplex - Excel	26.39	9.08 (1 set)	16.12 (4 sets)	
	Duplex - Average	26.54	9.02 (1 set)	15.94 (4 sets)	21.97
B&W mode (optional for color device)	Simplex - Adobe Reader	14.13	16.98 (1 set)	25.78 (5 sets)	29.39 (32 sets)
	Simplex - Word	14.45	16.61 (1 set)	25.18 (5 sets)	
	Simplex - Excel	14.13	16.98 (1 set)	25.96 (5 sets)	
	Simplex - Average	14.24	16.85 (1 set)	25.64 (4 sets)	29.4
	Duplex - Adobe Reader	23.71	10.12 (1 set)	16.86 (4 sets)	
	Duplex - Word	24.14	9.94 (1 set)	16.72 (4 sets)	
	Duplex - Excel	23.34	10.26 (1 set)	16.58 (4 sets)	
	Duplex - Average	23.73	10.10 (1 set)	16.72 (4 sets)	21.78

Notes
1) All printing device and driver settings were default mode.
2) For the BW results, the print driver was set to "print in BW".
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 Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD/CD RW GUD1N
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
Print Driver	Microsoft Office Excel 2016
	Not Specified
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 Flow MFP E78330dn

Printing device and settings

Test Start Date and Time	8/31/2020 12:57
Tester	JK
Machine name/model	HP Color LaserJet Flow MFP E78330dn
Colour or B&W	Colour
FW Version	Not Specified
Temperature and Humidity	78 degF / 26 degC 43 %rH
Voltage	Not Specified
Test End Date and Time	9/1/2020 13:30

Item	Value
Mode and Setting	Driver Version
	Media/Quality Setting
	Simplex B&W Settings
	Duplex B&W Settings
	Setting N set count
	Collating function
Paper Path	Paper Sending Direction
	Paper Size Setting
	Paper Feeding
	Paper Exit
	Output Orientation
	Duplexing Unit (Yes/No)
Paper	Paper Manufacturer
	Paper Weight
	Paper Size
	Paper type/name

Summary Report: A4

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	16.80	30.14
	Duplex	26.37	22.06
B&W	Simplex	14.44	30.14
	Duplex	23.58	21.86

Notes
1) All printing device and driver settings were default mode.
2) For the BW results, the print driver was set to "print in BW".
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	16.46	14.59 (1 set)	24.57 (5 sets)	29.08 (32 sets)	30.14
	Simplex - Word	17.19	13.97 (1 set)	24.22 (5 sets)		30.15
	Simplex - Excel	16.75	14.32 (1 set)	24.65 (5 sets)		30.14
	Simplex - Average	16.80	14.29	24.48	29.08	30.14
	Duplex - Adobe Reader	26.32	9.10 (1 set)	15.92 (4 sets)		22.06
	Duplex - Word	26.92	8.90 (1 set)	16.00 (4 sets)		22.06
	Duplex - Excel	25.86	9.26 (1 set)	15.92 (4 sets)		22.06
	Duplex - Average	26.4	9.08	15.94		22.06
B&W mode (optional for color device)	Simplex - Adobe Reader	14.21	16.88 (1 set)	26.06 (5 sets)	29.44 (32 sets)	30.15
	Simplex - Word	14.60	16.43 (1 set)	25.73 (5 sets)		30.14
	Simplex - Excel	14.50	16.55 (1 set)	26.03 (5 sets)		30.13
	Simplex - Average	14.4	16.62	25.94	29.4	30.14
	Duplex - Adobe Reader	23.00	10.42 (1 set)	16.72 (4 sets)		21.86
	Duplex - Word	23.96	10.00 (1 set)	16.58 (4 sets)		21.86
	Duplex - Excel	23.76	10.08 (1 set)	16.70 (4 sets)		21.86
	Duplex - Average	23.6	10.16	16.66		21.86

Notes
1) All printing device and driver settings were default mode.
2) For the BW results, the print driver was set to "print in BW".
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 Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD/CD RW GUD1N
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	10/100/1000
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
	Microsoft Office Excel 2016
Print Driver	Not Specified
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 Flow MFP E78330dn

Printing device and settings

Test Start Date and Time	8/31/2020 12:57
Tester	JK
Machine name/model	HP Color LaserJet Flow MFP E78330dn
Colour or B&W	Colour
FW Version	Not Specified
Temperature and Humidity	78 degF / 26 degC 43 %rH
Voltage	Not Specified
Test End Date and Time	9/1/2020 13:30

Item	Value
Mode and Setting	Driver Version Not Specified
	Media/Quality Setting Default / Default
	Simplex B&W Settings Not Specified
	Duplex B&W Settings Not Specified
	Setting N set count Not Specified
	Collating function Not Specified
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
	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	17.23	16.07
	Duplex	26.54	12.20
B&W	Simplex	23.10	16.08
	Duplex	32.71	12.53

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)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	24.53	9.78 (1 set)	13.69 (4 sets)	15.48 (18 sets)	16.08
	Simplex - Word	26.69	8.99 (1 set)	13.57 (4 sets)		16.07
	Simplex - Excel	24.39	9.83 (1 set)	13.71 (4 sets)		16.08
	Simplex - Average	25.21	9.53	13.65	15.48	16.07
	Duplex - Adobe Reader	36.86	6.50 (1 set)	8.80 (3 sets)		12.20
	Duplex - Word	35.99	6.66 (1 set)	8.82 (3 sets)		12.22
	Duplex - Excel	34.90	6.86 (1 set)	9.10 (3 sets)		12.20
	Duplex - Average	35.92	6.67	8.90		12.20
B&W mode (optional for color device)	Simplex - Adobe Reader	22.89	10.48 (1 set)	14.11 (4 sets)	15.61 (18 sets)	16.09
	Simplex - Word	23.75	10.10 (1 set)	14.00 (4 sets)		16.07
	Simplex - Excel	22.66	10.58 (1 set)	14.20 (4 sets)		16.08
	Simplex - Average	23.10	10.38	14.10	15.61	16.08
	Duplex - Adobe Reader	33.30	7.18 (1 set)	9.28 (3 sets)		12.50
	Duplex - Word	33.05	7.24 (1 set)	9.42 (3 sets)		12.56
	Duplex - Excel	31.78	7.54 (1 set)	9.46 (3 sets)		12.54
	Duplex - Average	32.71	7.32	9.38		12.53

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 Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD/CD RW GUD1N
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCPIP	10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
Print Driver	Microsoft Office Excel 2016
	Not Specified
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 Flow MFP E78330dn

Printing device and settings	
Test Start Date and Time	8/31/2020 12:57
Tester	JK
Machine name/model	HP Color LaserJet Flow MFP E78330dn
Colour or B&W	Colour
FW Version	Not Specified
Temperature and Humidity	78 degF / 26 degC 43 %rH
Voltage	Not Specified
Test End Date and Time	9/1/2020 13:30

Item	Value
Mode and Setting	Driver Version Not Specified
	Media/Quality Setting Default / Default
	Simplex B&W Settings Not Specified
	Duplex B&W Settings Not Specified
	Setting N set count Not Specified
	Collating function Not Specified
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
	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	17.23	16.08
	Duplex	26.54	12.31
B&W	Simplex	22.88	16.08
	Duplex	32.28	12.66

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)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	24.67	9.72 (1 set)	13.76 (4 sets)	15.44 (18 sets)	16.08
	Simplex - Word	26.21	9.15 (1 set)	13.61 (4 sets)		16.08
	Simplex - Excel	25.03	9.59 (1 set)	13.77 (4 sets)		16.08
	Simplex - Average	25.31	9.48 (1 set)	13.71 (4 sets)	15.44	16.08
	Duplex - Adobe Reader	36.78	6.50 (1 set)	8.86 (3 sets)		12.30
	Duplex - Word	35.85	6.68 (1 set)	8.88 (3 sets)		12.32
	Duplex - Excel	34.85	6.88 (1 set)	9.12 (3 sets)		12.32
	Duplex - Average	35.83	6.68 (1 set)	8.96 (3 sets)		12.31
	Simplex - Adobe Reader	22.92	10.47 (1 set)	14.21 (4 sets)	15.56 (18 sets)	16.08
B&W mode (optional for color device)	Simplex - Word	23.32	10.28 (1 set)	13.99 (4 sets)		16.08
	Simplex - Excel	22.39	10.72 (1 set)	14.26 (4 sets)		16.08
	Simplex - Average	22.88	10.49 (1 set)	14.15 (4 sets)	15.56	16.08
	Duplex - Adobe Reader	33.09	7.24 (1 set)	9.40 (3 sets)		12.64
	Duplex - Word	32.66	7.34 (1 set)	9.54 (3 sets)		12.68
	Duplex - Excel	31.07	7.72 (1 set)	9.64 (3 sets)		12.66
	Duplex - Average	32.28	7.43 (1 set)	9.52 (3 sets)		12.66

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 Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD/CD RW GUD1N
I/O Subsystem	Builton
USB Subsystem	USB 2.0/3.0
TCP/IP	10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
	Microsoft Office Excel 2016
Print Driver	Not Specified
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 Flow MFP E78330dn

Printing device and settings

Test Start Date and Time	8/31/2020 12:57
Tester	JK
Machine name/model	HP Color LaserJet Flow MFP E78330dn
Colour or B&W	Colour
FW Version	Not Specified
Temperature and Humidity	78 degF / 26 degC 43 %rH
Voltage	Not Specified
Test End Date and Time	9/1/2020 13:30

Item	Value
Mode and Setting	Driver Version Not Specified
	Media/Quality Setting Default / Default
	Simplex B&W Settings Not Specified
	Duplex B&W Settings Not Specified
	Setting N set count Not Specified
	Collating function Not Specified
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
	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		
A5, Portrait Feed, Simplex, Colour	Simplex	103%	104%
Legal, Simplex, Colour	Simplex	75%	63%
Legal, Duplex, Colour	Duplex	51%	45%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex		
A5, Portrait Feed, Simplex, B/W	Simplex	94%	99%
Legal, Simplex, B/W	Simplex	69%	63%
Legal, Duplex, B/W	Duplex	48%	46%
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

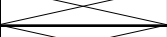
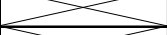
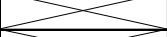
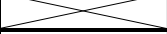


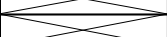
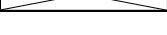
Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	24.87	30.15				
A5, Portrait Feed, Simplex, Colour	24.87	30.15	24.36	31.5	103%	104%
Legal, Simplex, Colour	25.42	30.15	34.13	19.2	75%	63%
Legal, Duplex, Colour	25.42	30.15	50.14	13.6	51%	45%
A4, 1200 dpi, Simplex, Colour	24.87	30.15				
Letter, 1200 dpi, Simplex, Colour	25.42	30.15				
A4, General Office, Simplex, Colour	24.87	30.15				
Letter, General Office, Simplex, Colour	25.42	30.15				
A5, Landscape Feed, Simplex, B/W	22	30.15				
A5, Portrait Feed, Simplex, B/W	22	30.15	23.51	30.1	94%	99%
Legal, Simplex, B/W	22.17	30.14	32.37	19.2	69%	63%
Legal, Duplex, B/W	22.17	30.14	46.19	14.0	48%	46%
A4, 1200 dpi, Simplex, B/W	22	30.15				
Letter, 1200 dpi, Simplex, B/W	22.17	30.14				
A4, General Office, Simplex, B/W	22	30.15				
Letter, General Office, Simplex, B/W	22.17	30.14				

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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVD RW GUD 1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	ICFIP	10/1000
	Operating System	Win 10 Enterprise 64 Bit (10240)
Software	Printing Applications	Microsoft Office Word 2016
		Acrobat Reader DC
		Microsoft Office Excel 2016
	Print Driver	Not Specified
	Test files and location	Office category files, hard drive

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	17.71	13.55	24.21	28.98	30.14
			(1 set)	5 sets	32 sets	
	1:2	28.84	8.30	15.46		21.98
			(1 set)	4 sets		
	2:2	27.60	8.68	15.88		21.98
			(1 set)	4 sets		
B&W mode	1:1	15.66	15.32	24.45	29.27	30.15
				5 sets	32 sets	
	1:2	28.25	8.48	15.58		21.78
				4 sets		
	2:2	26.07	9.20	16.04		21.78
				4 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	17.12	14.01	24.33	28.95	30.15
			(1 set)	5 sets	32 sets	
	1:2	28.78	8.32	15.56		22.06
			(1 set)	4 sets		
	2:2	27.57	8.68	16.18		22.08
			(1 set)	4 sets		
B&W mode	1:1	15.82	15.17	25.22	29.21	30.16
				5 sets	32 sets	
	1:2	28.14	8.52	15.66		21.86
				4 sets		
	2:2	26.59	9.02	16.22		21.86
				4 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	8/19/2020
	Tester	Jiwon
	Machine name/model	HP Color LaserJet Flow MFP E78330dn
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	26.3 C 51%
	Voltage	220V
	Test End Date and Time	8/21/2020

Mode and Setting	Preset Item	Preset Values
	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: [Letter](#)

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	84.65
			double sided	171.84
B&W	PDF 1.4	200	single sided	84.14
			double sided	171.61

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	56.59	4.63	12.00
			double sided	63.84	8.36	23.00
B&W	PDF 1.4	200	single sided	57.16	3.74	12.00
			double sided	67.92	7.74	24.00

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	35.60	76.49	84.65
			double sided	40.81	151.76	171.84
B&W	PDF 1.4	200	single sided	33.10	75.73	84.14
			double sided	41.84	152.6	171.61

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	19.61	56.59	4.63	12
			double sided	19.29	63.84	8.36	23
B&W	PDF 1.4	200	single sided	19.65	57.16	3.74	12
			double sided	20.44	67.92	7.74	24

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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Scanning Device Connection	Operating System	Win 10 Enterprise 64 Bit (10240)
	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	8/19/2020
	Tester	Jiwon
	Machine name/model	HP Color LaserJet Flow MFP E78330dn
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	26.3 C 51%
	Voltage	220V
	Test End Date and Time	8/21/2020

	Preset Item	Preset Values
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)
	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: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	85.31
			double sided	171.87
B&W	PDF 1.4	200	single sided	84.89
			double sided	173.63

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	56.26	4.64	12.00
			double sided	60.77	9.27	24.00
B&W	PDF 1.4	200	single sided	62.25	3.79	12.00
			double sided	66.20	7.86	25.00

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	35.48	76.44	85.31
			double sided	42.24	156	171.87
B&W	PDF 1.4	200	single sided	36.05	75.58	84.89
			double sided	41.78	155.02	173.63

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	18.28	56.26	4.64	12
			double sided	17.55	60.77	9.27	24
B&W	PDF 1.4	200	single sided	18.99	62.25	3.79	12
			double sided	20.72	66.20	7.86	25

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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Scanning Device Connection	Operating System	Win 10 Enterprise 64 Bit (10240)
	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 - Tabloid

Machine Setup Information		
	Test Start Date and Time	8/19/2020
	Tester	Jiwon
	Machine name/model	HP Color LaserJet Flow MFP E78330dn
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	26.3 C 51%
	Voltage	220V
	Test End Date and Time	8/21/2020

	Preset Item	Preset Values
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)
	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	50.01
			double sided	98.41
B&W	PDF 1.4	200	single sided	49.19
			double sided	98.46

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	32.04	5.84	8.00
			double sided	34.77	10.03	14.00
B&W	PDF 1.4	200	single sided	35.18	4.72	8.00
			double sided	37.07	8.68	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	26.94	45.27	50.01
			double sided	38.70	88.99	98.41
B&W	PDF 1.4	200	single sided	27.33	44.7	49.19
			double sided	35.68	87.69	98.46

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	16.82	32.04	5.84	8
			double sided	17.58	34.77	10.03	14
B&W	PDF 1.4	200	single sided	16.09	35.18	4.72	8
			double sided	16.62	37.07	8.68	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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	8/19/2020
	Tester	Jiwon
	Machine name/model	HP Color LaserJet Flow MFP E78330dn
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	26.3 C 51%
	Voltage	220V
	Test End Date and Time	8/21/2020

Preset Item		Preset Values
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)
	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	50.39
			double sided	101.32
B&W	PDF 1.4	200	single sided	50.18
			double sided	98.84

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	31.49	5.74	8.00
			double sided	63.40	10.30	14.00
B&W	PDF 1.4	200	single sided	33.48	4.72	8.00
			double sided	80.82	8.14	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	26.81	45.62	50.39
			double sided	37.01	90.05	101.32
B&W	PDF 1.4	200	single sided	26.96	45.46	50.18
			double sided	37.15	86.81	98.84

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	14.40	31.49	5.74	8
			double sided	16.95	63.40	10.30	14
B&W	PDF 1.4	200	single sided	15.27	33.48	4.72	8
			double sided	16.30	80.82	8.14	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVD RW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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