

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Enterprise M555dn

Printing device and settings	
Test Start Date and Time	1/20/2021 12:50
Tester	RM
Machine name/model	HP Color LaserJet Enterprise M555dn
Colour or B&W	Colour
FW Version	2411097_060479
Temperature and Humidity	74 degF / 23 degC 20 %RH
Voltage	110V
Test End Date and Time	2/18/2021 17:07

Item	Value	
Mode and Setting	Driver Version	7.0.0.24832
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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
Paper	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: Letter

Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	12.27	40.21
	Duplex	15.17	41.00
B&W	Simplex	11.26	40.21
	Duplex	13.90	40.99

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	13.38	17.94 (1 set)	34.02 (7 sets)	37.40 (43 sets)	40.22
	Simplex - Word	11.68	20.55 (1 set)	35.16 (7 sets)		40.22
	Simplex - Excel	11.75	20.43 (1 set)	35.39 (7 sets)		40.21
	Simplex - Average	12.27	19.64 (1 set)	34.85 (7 sets)	37.40	40.21
	Duplex - Adobe Reader	16.39	14.64 (1 set)	31.84 (7 sets)		41.00
	Duplex - Word	14.71	16.30 (1 set)	33.02 (7 sets)		41.00
	Duplex - Excel	14.40	16.66 (1 set)	33.28 (7 sets)		41.00
	Duplex - Average	15.17	15.86 (1 set)	32.71 (7 sets)	38.20	41.00
B&W mode (optional for color device)	Simplex - Adobe Reader	12.45	19.29 (1 set)	34.75 (7 sets)	38.20 (42 sets)	40.22
	Simplex - Word	10.65	22.53 (1 set)	35.90 (7 sets)		40.20
	Simplex - Excel	10.66	22.52 (1 set)	35.97 (7 sets)		40.22
	Simplex - Average	11.26	21.44 (1 set)	35.54 (7 sets)	38.2	40.21
	Duplex - Adobe Reader	14.90	16.10 (1 set)	32.76 (7 sets)		40.98
	Duplex - Word	13.58	17.66 (1 set)	33.84 (7 sets)		41.00
	Duplex - Excel	13.22	18.14 (1 set)	33.10 (7 sets)		41.00
	Duplex - Average	13.90	17.30 (1 set)	33.23 (7 sets)		40.99

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
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	10/1000
Operating System	Win 10 Enterprise 64 Bit (1909)
Printing Applications	Microsoft Office Word 2019 Acrobat Reader DC Microsoft Office Excel 2019
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 - A4

HP Color LaserJet Enterprise M555dn

Printing device and settings	
Test Start Date and Time	11/20/2021 12:50
Tester	RM
Machine name/model	HP Color LaserJet Enterprise M555dn
Colour or B&W	Colour
FW Version	2411097_060479
Temperature and Humidity	74 degF / 23 degC 20 %RH
Voltage	110V
Test End Date and Time	2/18/2021 17:07

Item	Value	
Mode and Setting	Driver Version	7.0.0.24832
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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
Paper	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	12.67	38.07
	Duplex	15.56	39.11
B&W	Simplex	11.80	38.08
	Duplex	14.26	39.12

- 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 (ppm)		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	13.68	17.54 (1 set)	31.50 (6 sets)	36.18 (40 sets)	38.09
	Simplex - Word	12.46	19.26 (1 set)	32.67 (6 sets)		38.05
	Simplex - Excel	11.86	20.24 (1 set)	33.00 (6 sets)		38.07
	Simplex - Average	12.67	19.01 (1 set)	32.39 (6 sets)	36.18	38.07
	Duplex - Adobe Reader	16.89	14.20 (1 set)	28.74 (6 sets)		39.12
	Duplex - Word	15.15	15.84 (1 set)	29.82 (6 sets)		39.12
	Duplex - Excel	14.62	16.40 (1 set)	30.74 (6 sets)		39.10
	Duplex - Average	15.6	15.48 (1 set)	29.76 (6 sets)	34.62	39.11
B&W mode (optional for color device)	Simplex - Adobe Reader	12.89	19.01 (1 set)	32.16 (6 sets)	34.62 (40 sets)	38.09
	Simplex - Word	11.34	21.18 (1 set)	33.34 (6 sets)		38.08
	Simplex - Excel	11.16	21.50 (1 set)	33.54 (6 sets)		38.08
	Simplex - Average	11.8	20.43 (1 set)	33.01 (6 sets)	34.6	38.08
	Duplex - Adobe Reader	15.28	15.70 (1 set)	28.66 (6 sets)		39.12
	Duplex - Word	13.75	17.44 (1 set)	31.36 (6 sets)		39.12
	Duplex - Excel	13.74	17.46 (1 set)	29.76 (6 sets)		39.12
	Duplex - Average	14.3	16.86 (1 set)	29.92 (6 sets)		39.12

- 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	10/1000
Operating System	Win 10 Enterprise 64 Bit (1909)
Printing Applications	Microsoft Office Word 2019 Acrobat Reader DC Microsoft Office Excel 2019
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 Enterprise M555dn

Printing device and settings	
Test Start Date and Time	1/20/2021 12:50
Tester	RM
Machine name/model	HP Color LaserJet Enterprise M555dn
Colour or B&W	Colour
FW Version	2411097_060479
Temperature and Humidity	74 degF / 23 degC 20 %rH
Voltage	110V
Test End Date and Time	2/18/2021 17:07

Item	Value	
Mode and Setting	Driver Version	7.0.0.24832
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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
Paper	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

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	132%	155%
A5, Portrait Feed, Simplex, Colour	Simplex	100%	52%
Legal, Simplex, Colour	Simplex		
Legal, Duplex, Colour	Duplex		
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex	129%	157%
A5, Portrait Feed, Simplex, B/W	Simplex	96%	52%
Legal, Simplex, B/W	Simplex		
Legal, Duplex, B/W	Duplex		
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex		
Letter, General Office, Simplex, B/W	Simplex		

- Notes:
 1) All printing device and driver settings were 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	20.59	38.07	15.61	59.3	132%	155%
A5, Portrait Feed, Simplex, Colour	20.59	38.07	20.73	19.8	100%	52%
Legal, Simplex, Colour						
Legal, Duplex, Colour						
A4, 1200 dpi, Simplex, Colour	20.59	38.07				
Letter, 1200 dpi, Simplex, Colour						
A4, General Office, Simplex, Colour	20.59	38.07				
Letter, General Office, Simplex, Colour						
A5, Landscape Feed, Simplex, B/W	19.21	38.07	14.93	59.8	129%	157%
A5, Portrait Feed, Simplex, B/W	19.21	38.07	19.78	19.8	98%	52%
Legal, Simplex, B/W						
Legal, Duplex, B/W						
A4, 1200 dpi, Simplex, B/W	19.21	38.07				
Letter, 1200 dpi, Simplex, B/W						
A4, General Office, Simplex, B/W	19.21	38.07				
Letter, General Office, Simplex, B/W						

- 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/CD RW GUD 11N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCPIP / TCP/IP 10/1000	
Software	Operating System	Win 10 Enterprise 64 Bit (1909)
	Printing Applications	Microsoft Office Word 2019 Acrobat Reader DC Microsoft Office Excel 2019
	Print Driver	Not Specified
	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 Enterprise M555dn

Printing device and settings	
Test Start Date and Time	1/20/2021 11:01
Tester	RM
Machine name/model	HP Color LaserJet Enterprise M555dn
Colour or B&W	Colour
FW Version	2411097_060479
Configuration (options)	Default
Controller	7.102
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC 20 %rH
Voltage	110V
Test End Date and Time	2/11/2021 14:35

Item	Value	
Mode and Setting	PDL and driver version	7.0.0.24832
	Print Quality mode	default
	B&W settings	default
Paper	Paper feed orientation	Short Edge
	Paper type setting	default
	Paper feeding	Standard cassette
Paper Path	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		
		FPOT from Ready (seconds)
Color	Simplex	7.31
	Duplex	
B&W	Simplex	6.27
	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	7.15	7.17	7.59	7.31	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			11.58		104 Minutes
	Recovery Time			4.0		
	FPOT from Off - Simplex			153.10		
	Warm-up Time			145.51		
B&W Mode	FPOT from Ready - Simplex	6.03	6.12	6.63	6.27	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			11.50		104 Minutes
	Recovery Time			4.9		
	FPOT from Off - Simplex			159.39		
	Warm-up Time			152.76		

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	11.58	11.53	11.63	NA	Adobe Reader	104 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	8.60	8.51	8.69	NA	Adobe Reader	15 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	NA	N/A	N/A	NA	Adobe Reader	N/A
B&W Mode	FPOT from Sleep	11.50	11.53	11.47	NA	Adobe Reader	104 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	7.66	7.54	7.77	NA	Adobe Reader	15 Minutes

Test System Parameters

Item	Value	
Test System	Computer	HP Z240 SFF Workstation
	Processor	Intel Core i7-6770, 3.4 GHz
	System Chip Set	Intel SKU/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
Printing Device Connection	TCP/IP	10/1000
	Operating System	Win 10 Enterprise 64 Bit (1909)
Software	Printing Applications	Microsoft Office 2019
		Adobe Reader DC
	Print Driver	7.0.0.24832

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

Full Detailed Test Report - A4

HP Color LaserJet Enterprise M555dn

Printing device and settings	
Test Start Date and Time	1/20/2021 11:01
Tester	RM
Machine name/model	HP Color LaserJet Enterprise M555dn
Colour or B&W	Colour
FW Version	2411097_060479
Configuration (options)	Default
Controller	7.102
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	74 degF / 23 degC 20 %rH
Voltage	110V
Test End Date and Time	2/11/2021 14:35

Item	Value	
Mode and Setting	PDL and driver version	7.0.0.24832
	Print Quality mode	default
	B&W settings	default
Paper	Paper feed orientation	Short Edge
	Paper type setting	default
	Paper feeding	Standard cassette
Paper Path	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		FPUT from Ready (seconds)
Colour	Simplex	7.43
	Duplex	
B&W	Simplex	6.32
	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	FPUT from Ready - Simplex	7.28	7.03	7.96	7.43	20 Seconds
	FPUT from Ready - Duplex					
	FPUT from Sleep - Simplex			11.79		104 Minutes
	Recovery Time			3.8		
	FPUT from Off - Simplex			153.74		
	Warm-up Time			145.78		
B&W Mode	FPUT from Ready - Simplex	6.40	6.04	6.51	6.32	20 Seconds
	FPUT from Ready - Duplex					
	FPUT from Sleep - Simplex			11.47		104 Minutes
	Recovery Time			5.0		
	FPUT from Off - Simplex			159.84		
	Warm-up Time			153.33		

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 FPUT from Sleep are shown below.

HP Data Table

Detailed Report: A4							
		FPUT Avg (secs)	FPUT (secs) Iteration 1	FPUT (secs) Iteration 2	FPUT (secs) Iteration 3	Application	Delay Time
Color Mode	FPUT from Sleep	11.79	11.58	11.99	N/A	Adobe Reader	104 Minutes
	FPUT from Sleep (15 minutes) HP/Non ISO Test	8.92	8.79	9.04	N/A	Adobe Reader	15 Minutes
	FPUT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
B&W Mode	FPUT from Sleep	11.47	11.50	11.43	N/A	Adobe Reader	104 Minutes
	FPUT from Sleep (15 minutes) HP/Non ISO Test	7.61	7.62	7.59	N/A	Adobe Reader	15 Minutes

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/DRW GUD1N
	I/O Subsystem	Built-in
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	
Software	Operating System	Win 10 Enterprise 64 Bit (1909)
	Printing Applications	Microsoft Office 2019
	Print Driver	Adobe Reader DC 7.0.0.24832