

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Pro MFP M377

Printing device and settings	
Test Start Date and Time	11/3/2015 11:02
Tester	JB
Machine name/model	HP Color LaserJet Pro MFP M377
Colour or B&W	Colour
FW Version	20150916
Temperature and Humidity	75 degF / 24 degC 21 %rH
Voltage	220V
Test End Date and Time	2/16/2016 6:24

Item	Value	
Mode and Setting	Driver Version	Release15296
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	17.0	25.3
	Duplex	23.9	20.7
B&W	Simplex	16.2	25.3
	Duplex	23.6	20.7

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	17.44	13.77 (1 set)	21.65 (5 sets)	23.82 (28 sets)	25.38
	Simplex - Word	16.57	14.49 (1 set)	22.04 (5 sets)		25.38
	Simplex - Excel	16.98	14.14 (1 set)	21.90 (5 sets)		25.39
	Simplex - Average	17.0	14.1	21.8	23.8	25.3
	Duplex - Adobe Reader	24.14	9.92 (1 set)	15.72 (4 sets)		20.78
	Duplex - Word	23.39	10.24 (1 set)	15.94 (4 sets)		20.78
	Duplex - Excel	24.00	9.98 (1 set)	15.78 (4 sets)		20.78
	Duplex - Average	23.9	10.0	15.8		20.7
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	16.44	14.59 (1 set)	22.06 (5 sets)	24.18 (28 sets)	25.38
	Simplex - Word	15.74	15.24 (1 set)	22.40 (5 sets)		25.38
	Simplex - Excel	16.19	14.83 (1 set)	22.22 (5 sets)		25.37
	Simplex - Average	16.2	14.8	22.2	24.1	25.3
	Duplex - Adobe Reader	23.96	10.00 (1 set)	15.76 (4 sets)		20.78
	Duplex - Word	23.11	10.36 (1 set)	16.02 (4 sets)		20.76
	Duplex - Excel	23.71	10.10 (1 set)	15.86 (4 sets)		20.78
	Duplex - Average	23.6	10.1	15.8		20.7

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP Color LaserJet Pro MFP M377

Printing device and settings

Test Start Date and Time	11/3/2015 11:02
Tester	JB
Machine name/model	HP Color LaserJet Pro MFP M377
Colour or B&W	Colour
FW Version	20150916
Temperature and Humidity	75 degF / 24 degC 21 %rH
Voltage	220V
Test End Date and Time	2/16/2016 6:24

Item	Value	
Mode and Setting	Driver Version	Release15296
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	17.5	24.1
	Duplex	24.5	20.0
B&W	Simplex	16.6	24.1
	Duplex	24.2	20.0

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	17.89	13.42 (1 set)	20.77 (5 sets)	23.08 (27 sets)	24.16
	Simplex - Word	17.02	14.09 (1 set)	21.11 (5 sets)		24.17
	Simplex - Excel	17.39	13.79 (1 set)	21.00 (5 sets)		24.16
	Simplex - Average	17.5	13.7	20.9	23.0	24.1
	Duplex - Adobe Reader	24.65	9.72 (1 set)	15.22 (4 sets)		20.02
	Duplex - Word	24.00	10.00 (1 set)	15.42 (4 sets)		20.02
	Duplex - Excel	24.57	9.76 (1 set)	15.28 (4 sets)		20.02
	Duplex - Average	24.5	9.8	15.3		20.0
B&W mode (optional for color device)	Simplex - Adobe Reader	16.92	14.18 (1 set)	21.15 (5 sets)	23.05 (27 sets)	24.16
	Simplex - Word	16.21	14.80 (1 set)	21.45 (5 sets)		24.17
	Simplex - Excel	16.64	14.43 (1 set)	21.30 (5 sets)		24.17
	Simplex - Average	16.6	14.4	21.3	23.0	24.1
	Duplex - Adobe Reader	24.48	9.80 (1 set)	15.28 (4 sets)		20.02
	Duplex - Word	23.64	10.14 (1 set)	15.50 (4 sets)		20.02
	Duplex - Excel	24.25	9.88 (1 set)	15.34 (4 sets)		20.02
	Duplex - Average	24.2	9.9	15.3		20.0

Notes

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

Test System Parameters

Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	
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 - A5

HP Color LaserJet Pro MFP M377

Printing device and settings	
Test Start Date and Time	11/3/2015 11:02
Tester	JB
Machine name/model	HP Color LaserJet Pro MFP M377
Colour or B&W	Colour
FW Version	20150916
Temperature and Humidity	75 degF / 24 degC 21 %rH
Voltage	220V
Test End Date and Time	2/16/2016 6:24

Item	Value	
Mode and Setting	Driver Version	Release15296
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20b / 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	
		A5	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5 Landscape Feed - Colour	Simplex	240%	168%
A5 Portrait Feed - Colour	Simplex	145%	52%
A5 Landscape Feed - B/W	Simplex	140%	169%
A5 Portrait Feed - B/W	Simplex	74%	45%

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.
 5) To print A5 Landscape, Open EWS-Print Tab-A5 Feed Orientation-Landscape. Set Driver Printing Preferences-Advanced Tab-Print Data Optimization -Optimize for Text and Vector.

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			
			A5			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
Simplex A5 Landscape Feed - Colour	48.56	24.17	20.3	40.6	240%	168%
Simplex A5 Portrait Feed - Colour	48.56	24.17	33.64	12.8	145%	52%
Simplex A5 Landscape Feed - B/W	27.3	23.97	19.64	40.6	140%	169%
Simplex A5 Portrait Feed - B/W	27.3	23.97	36.92	11.0	74%	45%

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.
 5) To print A5 Landscape, Open EWS-Print Tab-A5 Feed Orientation-Landscape. Set Driver Printing Preferences-Advanced Tab-Print Data Optimization -Optimize for Text and Vector.

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
I/O	TCP/IP	TCP/IP 10/1000
	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 Neptune 3n1

Printing device and settings	
Test Start Date and Time	11/3/2015 9:25
Tester	JB
Machine name/model	HP Neptune 3n1
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Default
Controller	14205
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	76 degF / 24 degC, 19 %RH
Voltage	220V
Test End Date and Time	11/9/2015 13:47

Item	Value
Mode and Setting	
PDL and driver version	Release15296
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
Paper	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
Paper Path	
Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		
FPOT from Ready (seconds)		
Color	Simplex	9.69
	Duplex	17.59
B&W	Simplex	8.80
	Duplex	17.38

- 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	9.38	9.63	10.04	9.69	21 Seconds
	FPOT from Ready - Duplex	17.26	17.72	17.78	17.59	21 Seconds
	FPOT from Sleep - Simplex			11.15		61 Minutes
	Recovery Time			1.1		
	FPOT from Off - Simplex			42.37		
	Warm-up Time			32.33		
B&W Mode	FPOT from Ready - Simplex	8.53	8.83	9.03	8.80	21 Seconds
	FPOT from Ready - Duplex	16.99	17.45	17.68	17.38	21 Seconds
	FPOT from Sleep - Simplex			11.00		61 Minutes
	Recovery Time			2.0		
	FPOT from Off - Simplex			42.35		
	Warm-up Time			33.32		

- Notes
- 1) All printing device and driver settings were default mode.
 - 2) For the B/W results, the print driver was set to "print in B/W".
 - 3) For more information see <http://www.hp.com/go/printerclaims>.
 - 4) Port monitor not configured to follow device if the IP address changes.
 - 5) Page counts were collected after completion of the tests.
 - 6) Details for FPOT from Sleep are shown below.

HP Data Table

Detailed Report: LETTER							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	11.15	11.11	11.18	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (60 minutes) HP/Non ISO Test	11.15	11.11	11.18	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep	11.00	10.97	11.02	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (60 minutes) HP/Non ISO Test	11.00	10.97	11.02	N/A	Adobe Reader	61 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
Print Driver	Adobe Reader 10.1.4 Release15296

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

Full Detailed Test Report - A4

HP Neptune 3n1

Printing device and settings	
Test Start Date and Time	11/3/2015 9:25
Tester	JB
Machine name/model	HP Neptune 3n1
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Default
Controller	14205
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	76 degF / 24 degC, 19 %rH
Voltage	220V
Test End Date and Time	11/9/2015 13:47

Item	Value
Mode and Setting	
PDL and driver version	Release15296
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	9.76
	Duplex	17.80
B&W	Simplex	8.89
	Duplex	17.53

- 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.
 - 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	9.46	9.69	10.12	9.76	21 Seconds
	FPOT from Ready - Duplex	17.45	17.91	18.03	17.8	21 Seconds
	FPOT from Sleep - Simplex			11.29		61 Minutes
	Recovery Time			1.2		
	FPOT from Off - Simplex			42.45		
	Warm-up Time			32.33		
B&W Mode	FPOT from Ready - Simplex	8.60	8.97	9.10	8.89	21 Seconds
	FPOT from Ready - Duplex	17.14	17.62	17.82	17.53	21 Seconds
	FPOT from Sleep - Simplex			11.17		61 Minutes
	Recovery Time			2.1		
	FPOT from Off - Simplex			42.51		
	Warm-up Time			33.41		

- 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	11.29	11.29	11.28	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (60 minutes) HP/Non ISO Test	11.29	11.29	11.28	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep	11.17	11.14	11.19	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (60 minutes) HP/Non ISO Test	11.17	11.14	11.19	N/A	Adobe Reader	61 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
Print Driver	Adobe Reader 10.1.4 Release15296

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP Neptune 3n1	
----------------	--

Machine Setup Information	
Test Start Date and Time	11/9/2015 14:52
Tester	JB
Machine name/model	HP Neptune 3n1
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC, 29 %rH
Test End Date and Time:	11/18/2015 11:41

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	11.6	25.2
B&W	9.2	25.3
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.		
Copy count is limited to 99, so the 4 minute is shortened.		

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	11.60	5.17	20.17 15 sets	23.51 99 sets	25.38
	B	11.61	5.16	19.66 14 sets	23.51 99 sets	25.09
	C	11.57	5.18	20.17 15 sets	23.51 99 sets	25.38
	D	11.57	5.18	19.98 15 sets	23.51 99 sets	25.11
	Average	11.6	5.1	19.9	23.5	25.2
B&W	A	9.12	6.58	20.97 14 sets	23.81 99 sets	25.24
	B	9.10	6.59	21.34 15 sets	23.81 99 sets	25.38
	C	9.14	6.56	21.24 15 sets	23.81 99 sets	25.25
	D	9.17	6.54	21.35 15 sets	23.81 99 sets	25.38
	Average	9.2	6.5	21.2	23.8	25.3

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. Copy count is limited to 99, so the 4 minute is shortened.

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP Neptune 3n1	
----------------	--

Machine Setup Information	
Test Start Date and Time	11/9/2015 14:52
Tester	JB
Machine name/model	HP Neptune 3n1
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC, 29 %rH
Test End Date and Time:	11/18/2015 11:41

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	12.0	24.1
B&W	9.5	24.1

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.
 Copy count is limited to 99, so the 4 minute is shortened.

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	11.97	5.01	19.23 15 sets	22.47 99 sets	24.16
	B	11.90	5.03	18.98 14 sets	22.47 99 sets	24.16
	C	11.93	5.02	18.98 14 sets	22.47 99 sets	24.17
	D	11.96	5.01	18.94 14 sets	22.47 99 sets	24.15
	Average	12.0	5.0	19.0	22.4	24.1
B&W	A	9.42	6.36	20.07 14 sets	23.07 99 sets	24.16
	B	9.48	6.32	20.13 14 sets	23.07 99 sets	24.16
	C	9.51	6.30	20.15 14 sets	23.07 99 sets	24.17
	D	9.54	6.28	20.10 14 sets	23.07 99 sets	24.17
	Average	9.5	6.3	20.1	23.0	24.1

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.
 Copy count is limited to 99, so the 4 minute is shortened.

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	11/11/2015 15:12
Tester	JB
Machine name/model	HP Color LaserJet Pro MFP M377
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Not Specified
Temperature and Humidity	77 degF / 25 degC 16.68 %rH
Test End Date and Time:	11/18/2015 15:12
Pre-set Item	Pre-set Value
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1	19.81	12.11	20.78	23.64	25.39
			(1 set)	5 sets	30 sets	
	1:2	32.36	7.40	14.36		21.38
(1 set)			4 sets			
2:2						
			(1 set)			
B&W mode	1:1	18.08	13.27	21.39	23.87	25.39
				5 sets	30 sets	
	1:2	29.82		8.04	14.54	
				4 sets		
2:2						

Notes
 1) Reports located: <http://www.hp.com/go/printerclaims>
 2) 2:2 duplex copy is not supported.

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	11/11/2015 15:12
Tester	JB
Machine name/model	HP Color LaserJet Pro MFP M377
Colour or B&W	Colour
FW Version	20150916
Configuration (options)	Not Specified
Temperature and Humidity	77 degF / 25 degC 16.68 %rH
Test End Date and Time:	11/18/2015 15:12
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1	21.41	11.21	19.66	22.63	24.17
			(1 set)	5 sets	29 sets	
	1:2	32.27	7.42	13.84		20.60
(1 set)			4 sets			
2:2						
			(1 set)			
B&W mode	1:1	18.79	12.76	20.40	22.74	24.16
				5 sets	29 sets	
	1:2	29.82		8.04	14.26	
				4 sets		
2:2						

Notes
 1) Reports located: <http://www.hp.com/go/printerclaims>
 2) 2:2 duplex copy is not supported.