

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

Full Detailed Test Report - LETTER

HP Neverstop Laser 1001NW

Printing device and settings	
Test Start Date and Time	3/5/2020 13:50
Tester	Jwon
Machine name/model	HP Neverstop Laser 1001NW
Colour or B&W	B&W
FW Version	20200108_2045
Configuration (options)	Default
Controller	Unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	78 degF / 26 degC 13.8 %rH
Voltage	220V
Test End Date and Time	3/11/2020 17:40

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	49.4.4479
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

**ISO First Page Out Time Summary Report: Office Category**

Summary Report: Letter		FPUT from Ready (seconds)
<b>B&amp;W</b>	Simplex	8.41
	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
<b>Color Mode</b>	FPUT from Ready - Simplex					
	FPUT from Ready - Duplex					
	FPUT from Sleep - Simplex			N/A		
	Recovery Time					
	FPUT from Off - Simplex					
	Warm-up Time					
<b>B&amp;W Mode</b>	FPUT from Ready - Simplex	8.47	8.36	8.40	8.41	20 Seconds
	FPUT from Ready - Duplex					
	FPUT from Sleep - Simplex			17.08		61 Minutes
	Recovery Time			8.7		
	FPUT from Off - Simplex			35.57		
	Warm-up Time			27.17		

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: LETTER		FPUT Avg (secs)	FPUT (secs) Iteration 1	FPUT (secs) Iteration 2	FPUT (secs) Iteration 3	Application	Delay Time
<b>Color Mode</b>	FPUT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPUT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
	FPUT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
<b>B&amp;W Mode</b>	FPUT from Sleep	17.08	17.10	17.06	N/A	Adobe Reader	61 Minutes
	FPUT from Sleep (15 minutes) HP/Non ISO Test	14.53	14.55	14.50	N/A	Adobe Reader	16 Minutes

Test System Parameters	
<b>Test System</b>	
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/CD RW GUD1N
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	
TCP/IP	10/1000
<b>Software</b>	
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office 2016
Print Driver	Adobe Reader DC
	49.4.4479

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

Full Detailed Test Report - A4  
HP Neverstop Laser 1001NW

Printing device and settings	
Test Start Date and Time	3/5/2020 13:50
Tester	Jwon
Machine name/model	HP Neverstop Laser 1001NW
Colour or B&W	B&W
FW Version	20200108_2045
Configuration (options)	Default
Controller	Unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	78 degF / 26 degC 13.8 %rH
Voltage	220V
Test End Date and Time	3/11/2020 17:40

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	49.4.4479
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

**ISO First Page Out Time Summary Report: Office Category**

Summary Report: A4		FPO from Ready (seconds)
<b>B&amp;W</b>	Simplex	8.38
	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
<b>Color Mode</b>	FPO from Ready - Simplex					
	FPO from Ready - Duplex					
	FPO from Sleep - Simplex			N/A		
	Recovery Time					
	FPO from Off - Simplex					
<b>B&amp;W Mode</b>	Warm-up Time					
	FPO from Ready - Simplex	8.48	8.35	8.30	8.38	20 Seconds
	FPO from Ready - Duplex					
	FPO from Sleep - Simplex			17.26		61 Minutes
	Recovery Time			9.0		
<b>B&amp;W Mode</b>	FPO from Off - Simplex			34.83		
	Warm-up Time			26.53		

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.  
 6) Details for FPO from Sleep are shown below.

**HP Data Table**

Detailed Report: A4							
		FPO Avg (secs)	FPO (secs) Iteration 1	FPO (secs) Iteration 2	FPO (secs) Iteration 3	Application	Delay Time
<b>Color Mode</b>	FPO from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPO from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
	FPO from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
<b>B&amp;W Mode</b>	FPO from Sleep	17.26	17.12	17.40	N/A	Adobe Reader	61 Minutes
	FPO from Sleep (15 minutes) HP/Non ISO Test	15.12	14.70	15.53	N/A	Adobe Reader	16 Minutes

Test System Parameters		
Item	Value	
<b>Test System</b>	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/DRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	TCP/IP	10/1000
<b>Software</b>	Operating System	Win 10 Enterprise 64 Bit (10240)
	Printing Applications	Microsoft Office 2016
	Print Driver	Adobe Reader DC

**ISO/IEC 24734 Printing Productivity Report: Office Category**

Full Detailed Test Report - LETTER  
HP Neverstop Laser 1001NW

Printing device and settings	
Test Start Date and Time	3/5/2020 14:03
Tester	Jiwon
Machine name/model	HP Neverstop Laser 1001NW
Colour or B&W	B&W
FW Version	20200108_2045
Temperature and Humidity	78 degF / 26 degC 14.5 %rH
Voltage	220V
Test End Date and Time	3/27/2020 14:12

Item	Value
Mode and Setting	Driver Version: 49.4.4479
	Media Quality Settings: 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): No
Paper	Paper Manufacturer: HP / HP
	Paper Weight: 20lb / 75 g/m <sup>2</sup>
	Paper Size: Letter / A4 / A5
	Paper type/name: HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	18.58	21.04
	Duplex	N/A	N/A

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)	EFTP (ipm)	
		1 set only (1 set)	1 set + 30sec (# of sets)		1 set + 4min (# of sets)	1 set + 30sec
Color Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	18.82	12.75 ( 1 set )	17.88 ( 4 sets )	20.41 ( 23 sets )	21.02
	Simplex - Word	18.46	13.00 ( 1 set )	18.20 ( 4 sets )		21.05
	Simplex - Excel	18.46	13.00 ( 1 set )	18.35 ( 4 sets )		21.06
	Simplex - Average	18.58	12.91	18.14	20.4	21.04
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A

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-RW GJ01N
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
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 - A4  
HP Neverstop Laser 1001NW

Printing device and settings	
Test Start Date and Time	3/5/2020 14:03
Tester	Jiwon
Machine name/model	HP Neverstop Laser 1001NW
Colour or B&W	B&W
FW Version	20200108_2045
Temperature and Humidity	78 degF / 26 degC 14.5 %RH
Voltage	220V
Test End Date and Time	3/27/2020 14:12

Item	Value
Mode and Setting	Driver Version: 49.4.4479
	Media Quality Settings: 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): No
Paper	Paper Manufacturer: HP / HP
	Paper Weight: 20lb / 75 g/m2
	Paper Size: Letter / A4 / A5
	Paper type/name: HP Multipurpose Ultra White / HP Office

Summary Report: A4			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	18.77	20.04
	Duplex	N/A	N/A

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

Detailed Report: A4						
	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Colour Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	19.25	12.46 ( 1 set )	17.22 ( 4 sets )	19.59 ( 22 sets )	20.04
	Simplex - Word	17.91	13.41 ( 1 set )	17.83 ( 4 sets )		20.06
	Simplex - Excel	19.13	12.54 ( 1 set )	17.86 ( 4 sets )		20.04
	Simplex - Average	18.8	12.80 ( 1 set )	17.63 ( 4 sets )	19.6	20.04
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A

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 GJ01N
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
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**

Feature Performance Full Report - Office Feature Performance Test  
HP Neverstop Laser 1001NW

Printing device and settings		
Test Start Date and Time	3/5/2020 14:03	
Tester	Jiwon	
Machine name/model	HP Neverstop Laser 1001NW	
Colour or B&W	B&W	
FW Version	20200108_2045	
Temperature and Humidity	78 degF / 26 degC 14.5 %RH	
Voltage	220V	
Test End Date and Time	3/27/2020 14:12	

Item	Value	
Mode and Setting	Driver Version	49.4.4479
	Media Quality Settings	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	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	No
	Paper Manufacturer	HP / HP
	Paper Weight	20lb / 75 g/m <sup>2</sup>
	Paper Size	Letter / A4 / A5
	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		
Legal, Simplex, Colour	Simplex		
Legal, Duplex, Colour	Duplex		
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, HP High Speed, Simplex, Colour	Simplex		
Letter, HP High Speed, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex	91%	100%
A5, Portrait Feed, Simplex, B/W	Simplex		
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, HP High Speed, Simplex, B/W	Simplex		
Letter, HP High Speed, 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 number 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 (feature) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour						
A5, Portrait Feed, Simplex, Colour						
Legal, Simplex, Colour						
Legal, Duplex, Colour						
A4, 1200 dpi, Simplex, Colour						
Letter, 1200 dpi, Simplex, Colour						
A4, HP High Speed, Simplex, Colour						
Letter, HP High Speed, Simplex, Colour						
A4, General Office, Simplex, Colour						
Letter, General Office, Simplex, Colour						
A5, Landscape Feed, Simplex, B/W	29.91	19.98	32.99	20.1	91%	100%
A5, Portrait Feed, Simplex, B/W	29.91	19.98				
Legal, Simplex, B/W	31.05	21.07				
Legal, Duplex, B/W	31.05	21.07				
A4, 1200 dpi, Simplex, B/W	29.91	19.98				
Letter, 1200 dpi, Simplex, B/W	31.05	21.07				
A4, HP High Speed, Simplex, B/W	29.91	19.98				
Letter, HP High Speed, Simplex, B/W	31.05	21.07				
A4, General Office, Simplex, B/W	29.91	19.98				
Letter, General Office, Simplex, B/W	31.05	21.07				

- 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 number 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 i7-4770, 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
I/O	TCP/IP	10/100
	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