

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

**Full Detailed Test Report - LETTER**

Xerox Phaser 3610dn

Printing device and settings	
Test Start Date and Time	10/29/2015 10:24
Tester	BG
Machine name/model	Xerox Phaser 3610dn
Colour or B&W	B&W
FW Version	201407180647
Temperature and Humidity	77 degF / 25 degC 31.17 %rH
Voltage	110V
Test End Date and Time	2/23/2016 14:46

Item	Value	
<b>Mode and Setting</b>	Driver Version	6
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Mono
	Duplex B&W Settings	Mono
	Setting N set count	Application
	Collating function	Activated (application)
<b>Paper Path</b>	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
<b>Paper</b>	Paper Manufacturer	Xerox / 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 B&W Device	FSOT (seconds)	ESAT (ipm)
<b>B&amp;W</b>	Simplex	18.9	48.2
	Duplex	23.2	29.4

- 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)	
<b>Color Mode</b>	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>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	20.09	( 1 set )	( 8 sets )	( 53 sets )	47.95
	Simplex - Word	17.84	( 1 set )	( 8 sets )		48.74
	Simplex - Excel	18.53	( 1 set )	( 8 sets )		48.12
	Simplex - Average	18.9			44.8	48.2
	Duplex - Adobe Reader	24.53	( 1 set )	( 5 sets )		29.38
	Duplex - Word	22.57	( 1 set )	( 5 sets )		29.44
	Duplex - Excel	22.50	( 1 set )	( 5 sets )		29.42
	Duplex - Average	23.2	10.3	21.5		29.4

- 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**

Xerox Phaser 3610dn

Printing device and settings		
Test Start Date and Time	10/29/2015 10:24	
Tester	BG	
Machine name/model	Xerox Phaser 3610dn	
Colour or B&W	B&W	
FW Version	201407180647	
Temperature and Humidity	77 degF / 25 degC 31.17 %rH	
Voltage	110V	
Test End Date and Time	2/23/2016 14:46	

Item	Value	
<b>Mode and Setting</b>	Driver Version	6
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Mono
	Duplex B&W Settings	Mono
	Setting N set count	Application
Collating function	Activated (application)	
<b>Paper Path</b>	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
<b>Paper</b>	Paper Manufacturer	Xerox / HP
	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 B&W Device	FSOT (seconds)	ESAT (ipm)
<b>B&amp;W</b>	Simplex	12.2	44.9
	Duplex	15.6	28.3

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)	
<b>Colour Mode</b>	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>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	10.31	23.30 ( 1 set )	40.06 ( 7 sets )	43.87 ( 49 sets )	45.53
	Simplex - Word	16.33	14.69 ( 1 set )	34.51 ( 7 sets )		44.75
	Simplex - Excel	9.88	24.31 ( 1 set )	39.78 ( 7 sets )		44.68
	Simplex - Average	12.2	20.7	38.1	43.8	44.9
	Duplex - Adobe Reader	14.26	16.82 ( 1 set )	24.98 ( 5 sets )		28.32
	Duplex - Word	19.30	12.42 ( 1 set )	22.46 ( 5 sets )		28.28
	Duplex - Excel	12.96	18.50 ( 1 set )	25.52 ( 5 sets )		28.32
	Duplex - Average	15.6	15.9	24.3		28.3

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 17629 First Print Out Time Report: Office Category**

Full Detailed Test Report - LETTER

Xerox Phaser 3610dn

Printing device and settings	
Test Start Date and Time	10/29/2015 10:24
Tester	BG
Machine name/model	Xerox Phaser 3610dn
Colour or B&W	B&W
FW Version	201407180647
Configuration (options)	Default
Controller	Unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	77 degF / 25 degC .31.17 %rH
Voltage	110V
Test End Date and Time	2/23/2016 14:46

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6
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		FPOT from Ready (seconds)
<b>B&amp;W</b>	Simplex	5.47
	Duplex	8.61

- 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/printclaims>.
  - 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>	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	5.16	5.29	5.95	5.47	49 Seconds
	FPOT from Ready - Duplex	8.06	8.13	9.62	8.61	49 Seconds
	FPOT from Sleep - Simplex			19.39		70 Minutes
	Recovery Time			13.4		
	FPOT from Off - Simplex			37.66		
	Warm-up Time			31.71		

- 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/printclaims>.
  - 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
<b>Color Mode</b>	FPOT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (60 minutes)	N/A	N/A	N/A	N/A	Adobe Reader	
	HP/Non ISO Test						
<b>B&amp;W Mode</b>	FPOT from Sleep	19.39	19.35	19.42	N/A	Adobe Reader	70 Minutes
	FPOT from Sleep (60 minutes)						
	HP/Non ISO Test	19.39	19.35	19.42	N/A	Adobe Reader	70 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
<b>Test System</b>	
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
<b>Printing Device Connection</b>	
TCP/IP	10/1000
<b>Software</b>	
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

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

Full Detailed Test Report - A4

Xerox Phaser 3610dn

Printing device and settings	
Test Start Date and Time	10/29/2015 10:24
Tester	BG
Machine name/model	Xerox Phaser 3610dn
Colour or B&W	B&W
FW Version	201407180647
Configuration (options)	Default
Controller	Unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	77 degF / 25 degC, 31.17 %rH
Voltage	110V
Test End Date and Time	2/23/2016 14:46

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6
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

FPOT from Ready (seconds)		
B&W	Simplex	5.65
	Duplex	8.87

- 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					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
B&W Mode	Warm-up Time					
	FPOT from Ready - Simplex	5.25	5.68	6.02	5.65	49 Seconds
	FPOT from Ready - Duplex	8.22	8.64	9.73	8.87	49 Seconds
	FPOT from Sleep - Simplex			19.22		70 Minutes
	Recovery Time			13.2		
FPOT from Off - Simplex			37.69			
Warm-up Time			31.67			

- 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	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (60 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
B&W Mode	FPOT from Sleep	19.22	19.27	19.16	N/A	Adobe Reader	70 Minutes
	FPOT from Sleep (60 minutes) HP/Non ISO Test	19.22	19.27	19.16	N/A	Adobe Reader	70 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
<b>Test System</b>	
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
<b>Printing Device Connection</b>	
TCP/IP	10/1000
<b>Software</b>	
Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Printing Applications	Microsoft Office 2010 SP2
Print Driver	Adobe Reader 10.1.4
	6