

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

Brother HL-5450DN

Printing device and settings	
Test Start Date and Time	6/19/2015 0:41
Tester	BG
Machine name/model	HL-5450DN
Colour or B&W	B&W
FW Version	1.2
Temperature and Humidity	77 degF / 25 degC, 30 %RH
Voltage	110V
Test End Date and Time	6/22/2015 6:04

Item	Value	
Mode and Setting	Driver Version	v260.6000.16386.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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
	Output Orientation	Default (face down)
Paper	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	15.5	40.7
	Duplex	21.9	20.6

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) 1 set only (1 set)	EFTP (ipm)			ESAT (ipm) 1 set + 30sec
			1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
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	15.97	15.02 (1 set)	34.04 (9 sets)	39.34 (47 sets)	40.71
	Simplex - Word	14.99	16.00 (1 set)	34.53 (9 sets)		40.78
	Simplex - Excel	15.44	15.54 (1 set)	34.70 (9 sets)		40.75
	Simplex - Average	15.5	15.5	34.4	39.3	40.7
	Duplex - Adobe Reader	22.46	10.66 (1 set)	17.84 (6 sets)		20.62
	Duplex - Word	21.71	11.04 (1 set)	17.96 (6 sets)		20.66
	Duplex - Excel	21.43	11.18 (1 set)	18.02 (6 sets)		20.66
	Duplex - Average	21.9	10.9	17.9		20.6

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 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

Brother HL-5450DN

Printing device and settings	
Test Start Date and Time	6/19/2015 0:41
Tester	BG
Machine name/model	HL-5450DN
Colour or B&W	B&W
FW Version	1.2
Temperature and Humidity	77 degF / 25 degC, 30 %rH
Voltage	110V
Test End Date and Time	6/22/2015 6:04

Item	Value	
Mode and Setting	Driver Version	v260.6000.16386.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	16.1	38.7
	Duplex	22.3	20.1

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) 1 set only (1 set)	EFTP (ipm)		ESAT (ipm)	
			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	16.53	14.51 (1 set)	32.46 (9 sets)	37.52 (45 sets)	38.61
	Simplex - Word	15.79	15.19 (1 set)	32.96 (9 sets)		38.64
	Simplex - Excel	15.94	15.05 (1 set)	33.03 (9 sets)		38.86
	Simplex - Average	16.1	14.9	32.8	37.5	38.7
	Duplex - Adobe Reader	22.78	10.52 (1 set)	17.48 (6 sets)		20.10
	Duplex - Word	22.21	10.78 (1 set)	17.62 (6 sets)		20.10
	Duplex - Excel	21.83	10.98 (1 set)	17.68 (6 sets)		20.10
	Duplex - Average	22.3	10.7	17.5		20.1

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 DH16aCASHR ATA
I/O Subsystem	Built-in
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

Brother HL-5450DN

Printing device and settings	
Test Start Date and Time	6/19/2015 0:41
Tester	BC
Machine name/model	HL-5450DN
Colour or B&W	B&W
FW Version	1.2
Configuration (options)	Default
Controller	NA
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	78 degF / 26 degC, 25 %rH
Voltage	110V
Test End Date and Time	6/25/2015 8:11

Item	Value
Mode and Setting	
PDL and driver version	v260.6000.16386.0
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)
B&W	Simplex	11.16
	Duplex	16.07

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					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex					
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	10.80	11.28	11.39	11.16	49 Seconds
	FPOT from Ready - Duplex	15.75	15.61	16.84	16.07	49 Seconds
	FPOT from Sleep - Simplex			12.00		63 Minutes
	Recovery Time			0.6		
	FPOT from Off - Simplex			45.44		
	Warm-up Time			34.04		

- 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".
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 - 4) Port monitor not configured to follow device if the IP address changes.
 - 5) Page counts were collected after completion of the tests.

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	10/100
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 v260.6000.16386.0

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

Full Detailed Test Report - A4

Brother HL-5450DN

Printing device and settings	
Test Start Date and Time	6/19/2015 0:41
Tester	BC
Machine name/model	HL-5450DN
Colour or B&W	B&W
FW Version	1.2
Configuration (options)	Default
Controller	NA
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	78 degF / 26 degC, 25 %rH
Voltage	110V
Test End Date and Time	6/25/2015 8:11

Item	Value	
Mode and Setting	PDL and driver version	v260.6000.16386.0
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
Paper	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		
		FPOT from Ready (seconds)
B&W	Simplex	10.98
	Duplex	16.20

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
Colour Mode	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex					
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	10.63	10.61	11.70	10.98	49 Seconds
	FPOT from Ready - Duplex	15.84	16.12	16.61	16.2	49 Seconds
	FPOT from Sleep - Simplex			11.72		63 Minutes
	Recovery Time			0.0		
	FPOT from Off - Simplex			41.02		
	Warm-up Time			29.32		

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>.
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	System Board	system devices, default system BIOS
	System Memory	4 GB
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	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	10/1000
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Software	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4
		v260.6000.16386.0