

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

Samsung ProXpress M4070FR

Printing device and settings	
Test Start Date and Time	6/11/2015 23:24
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Temperature and Humidity	77 degF / 25 degC, 30 %RH
Voltage	110V
Test End Date and Time	6/16/2015 2:32

Item	Value	
Mode and Setting	Driver Version	v5.2.3790.1830
	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: Letter			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	12.9	42.0
	Duplex	20.5	18.3

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: 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)	
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	12.89	18.61 (1 set)	35.49 (7 sets)	41.53 (45 sets)	41.99
	Simplex - Word	12.58	19.06 (1 set)	35.85 (7 sets)		42.05
	Simplex - Excel	13.07	18.36 (1 set)	35.41 (7 sets)		41.99
	Simplex - Average	12.9	18.6	35.5	41.5	42.0
	Duplex - Adobe Reader	20.60	11.64 (1 set)	15.98 (4 sets)		18.32
	Duplex - Word	20.19	11.88 (1 set)	16.10 (4 sets)		18.28
	Duplex - Excel	20.71	11.58 (1 set)	15.96 (4 sets)		18.30
	Duplex - Average	20.5	11.7	16.0		18.3

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 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

Samsung ProXpress M4070FR

Printing device and settings

Test Start Date and Time	6/11/2015 23:24
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Temperature and Humidity	77 degF / 25 degC, 30 %rH
Voltage	110V
Test End Date and Time	6/16/2015 2:32

Item	Value	
Mode and Setting	Driver Version	v5.2.3790.1830
	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	13.3	39.6
	Duplex	20.9	17.8

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 + 30sec (1 set)	1 set + 30sec (# of sets)	
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	13.26	18.09 (1 set)	33.03 (6 sets)	39.30 (43 sets)	39.69
	Simplex - Word	12.93	18.55 (1 set)	33.33 (6 sets)		39.67
	Simplex - Excel	13.43	17.85 (1 set)	32.98 (6 sets)		39.69
	Simplex - Average	13.3	18.1 (1 set)	33.1 (6 sets)	39.3 (43 sets)	39.6
	Duplex - Adobe Reader	20.99	11.42 (1 set)	15.62 (4 sets)		17.86
	Duplex - Word	20.66	11.60 (1 set)	15.74 (4 sets)		17.84
	Duplex - Excel	21.02	11.40 (1 set)	15.62 (4 sets)		17.82
	Duplex - Average	20.9	11.4 (1 set)	15.6 (4 sets)		17.8

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

Samsung ProXpress M4070FR

Printing device and settings	
Test Start Date and Time	9/18/2014 17:19
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Default
Controller	V1.00.02
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	76 degF / 25 degC, 44 %rH
Voltage	110V
Test End Date and Time	6/19/2015 6:32

Item	Value
Mode and Setting	
PDL and driver version	v5.2.3790.1830
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	7.84
	Duplex	13.45
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
7						
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	7.64	7.97	7.90	7.84	49 Seconds
	FPOt from Ready - Duplex	13.21	13.62	13.51	13.45	49 Seconds
	FPOt from Sleep - Simplex			15.48		61 Minutes
	Recovery Time			7.6		
	FPOt from Off - Simplex			59.70		
	Warm-up Time			51.80		
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.						

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
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 v5.2.3790.1830

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

Full Detailed Test Report - A4

Samsung ProXpress M4070FR	
Printing device and settings	
Test Start Date and Time	9/18/2014 17:19
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Default
Controller	V1.00.02
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	76 degF / 25 degC, 44 %rH
Voltage	110V
Test End Date and Time	6/19/2015 6:32

Item	Value
Mode and Setting	
PDL and driver version	v5.2.3790.1830
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)
B&W	Simplex	7.84
	Duplex	13.65
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	7.65	7.98	7.87	7.84	49 Seconds
	FPOt from Ready - Duplex	13.47	13.75	13.71	13.65	49 Seconds
	FPOt from Sleep - Simplex			15.27		61 Minutes
	Recovery Time			7.4		
	FPOt from Off - Simplex			65.91		
	Warm-up Time			58.04		
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".						
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.						

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
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
	Adobe Reader	Adobe Reader 10.1.4
	Print Driver	v5.2.3790.1830

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

Samsung ProXpress M4070FR

Machine Setup Information	
Test Start Date and Time	9/29/2014 12:58
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Not Specified
Temperature and Humidity	78 degF / 26 degC, 37 %rH
Test End Date and Time	6/23/2015 5:48

	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)
B&W	10.5	37.1

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.
 NOTE: Copy count is limited to 99 by the Control Panel, which prevents the 4 minute test from achieving 4 minutes.

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	10.56	5.68	29.95	38.78	37.53
				22 sets	99 sets	
	B	10.33	5.80	30.41		37.67
				23 sets		
	C	10.36	5.78	29.91		37.46
				22 sets		
	D	10.36	5.78	29.43		36.12
				23 sets		
Average	10.5	5.7	29.9	38.7	37.1	

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.

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

Samsung ProXpress M4070FR

Machine Setup Information	
Test Start Date and Time	9/29/2014 12:58
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Not Specified
Temperature and Humidity	78 degF / 26 degC, 37 %rH
Test End Date and Time	6/23/2015 5:48

	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)
B&W	10.7	34.9

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.
 NOTE: Copy count is limited to 99 by the Control Panel, which prevents the 4 minute test from achieving 4 minutes.

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	10.67	5.61	28.32	36.98	35.02
				22 sets	99 sets	
	B	10.78	5.56	27.78		34.62
				21 sets		
	C	10.69	5.60	28.08		34.67
				22 sets		
	D	10.65	5.62	28.77		35.40
				23 sets		
Average	10.7	5.5	28.2	36.9	34.9	

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.

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	9/24/2014 18:14
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Not Specified
Temperature and Humidity	78 degF / 25 degC, 43 %rH
Test End Date and Time	6/16/2015 3:33

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 + 30sec	1 set + 4min		
Color Mode	1:1		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	17.02	14.10 7 sets	32.85 44 sets	39.76 41.87	
	1:2	26.69	8.98 4 sets	14.58 4 sets	18.28	
	2:2	32.76	7.32 4 sets	13.30 4 sets	18.20	

Notes
Reports located: <http://www.hp.com/go/printerclaims>

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	9/24/2014 18:14
Tester	KN
Machine name/model	Samsung ProXpress M4070FR
Colour or B&W	B&W
FW Version	V4.00.01.15 Jan-07-2014
Configuration (options)	Not Specified
Temperature and Humidity	78 degF / 25 degC, 43 %rH
Test End Date and Time:	6/16/2015 3:33

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		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	17.26	13.89	30.27	38.75	39.61
	1:2	26.93	8.90	14.26	43 sets	17.84
	2:2	33.25	7.20	13.00	4 sets	17.80

Notes
 Reports located: <http://www.hp.com/go/printerclaims>