

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Pro 400 color M451

Printing device and settings	
Test Start Date and Time	11/9/2011 10:58
Tester	MC
Machine name/model	HP LaserJet Pro 400 color M451
Colour or B&W	Colour
FW Version	20111109_0416
Temperature and Humidity	75.8 degF / 24.4 degC, 17.4 %rH
Voltage	110V
Test End Date and Time	11/17/2011 11:21

	Item	Value
Mode and Setting	Driver Version	61.113.4.10292
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale set in Driver
	Duplex B&W Settings	Print in Greyscale and Duplex set in Driver
	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 / 75gsm
	Paper Size	Letter/A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	25	21
	Duplex	40	10
B&W	Simplex	26	21
	Duplex	39	10

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

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
Defaults (Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	25.04	9.58 (1 set)	16.00 (4 sets)	20.06 (24 sets)	21.16
	Simplex - Word	25.18	9.52 (1 set)	16.18 (4 sets)		21.15
	Simplex - Excel	24.70	9.71 (1 set)	16.33 (4 sets)		21.15
	Simplex - Average	25	9	16	20	21
	Duplex - Adobe Reader	39.33	6.10 (1 set)	8.44 (3 sets)		10.58
	Duplex - Word	38.91	6.16 (1 set)	8.54 (3 sets)		10.58
	Duplex - Excel	39.04	6.14 (1 set)	8.52 (3 sets)		10.58
	Duplex - Average	40	6	8		10
B&W mode (optional for color device)	Simplex - Adobe Reader	25.03	9.58 (1 set)	16.00 (4 sets)	18.23 (24 sets)	21.16
	Simplex - Word	25.20	9.52 (1 set)	16.21 (4 sets)		21.16
	Simplex - Excel	24.78	9.68 (1 set)	16.31 (4 sets)		21.15
	Simplex - Average	26	9	16	18	21
	Duplex - Adobe Reader	38.95	6.14 (1 set)	8.50 (3 sets)		10.58
	Duplex - Word	37.86	6.34 (1 set)	8.64 (3 sets)		10.58
	Duplex - Excel	37.68	6.36 (1 set)	8.62 (3 sets)		10.58
	Duplex - Average	39	6	8		10

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

Item	Value
Computer	HP XW8400 Workstation
Processor	Intel Xenon 2.66 GHz, X5355
System Chip Set	Intel 5000P
System Board	Standard system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	ATI FireGL V7200
Optical Drive	HP GSA-H60L SATA interface
I/O Subsystem	BuiltIn
USB Subsystem	USB 2.0
TCP/IP	TCP/IP 10/100
Operating System	Windows XP Professional, SP 3
Printing Applications	Microsoft Office Word 2003
	Microsoft Office Excel 2003
	Adobe Reader 8.0
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP LaserJet Pro 400 color M451

Printing device and settings		
Test Start Date and Time	11/9/2011 10:58	
Tester	MC	
Machine name/model	HP LaserJet Pro 400 color M451	
Colour or B&W	Colour	
FW Version	20111109_0416	
Temperature and Humidity	75.8 degF / 24.4 degC, 17.4 %rH	
Voltage	110V	
Test End Date and Time	11/17/2011 11:21	

Item	Value	
Mode and Setting	Driver Version	61.113.4.10292
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale set in Driver
	Duplex B&W Settings	Print in Greyscale and Duplex set in Driver
	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 / 75gsm
	Paper Size	Letter/A4
Paper type/name		HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	26	20
	Duplex	40	10
B&W	Simplex	27	20
	Duplex	39	10

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

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
(Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	25.67	9.34 (1 set)	15.21 (4 sets)	19.07 (23 sets)	20.08
	Simplex - Word	25.92	9.25 (1 set)	15.54 (4 sets)		20.08
	Simplex - Excel	25.51	9.41 (1 set)	15.68 (4 sets)		20.07
	Simplex - Average	26	9	15	19	20
	Duplex - Adobe Reader	39.83	6.02 (1 set)	8.28 (3 sets)		10.30
	Duplex - Word	39.47	6.08 (1 set)	8.36 (3 sets)		10.30
	Duplex - Excel	39.58	6.06 (1 set)	8.34 (3 sets)		10.30
	Duplex - Average	40	6	8		10
B&W mode (optional for color device)	Simplex - Adobe Reader	26.97	8.89 (1 set)	15.18 (4 sets)	19.02 (23 sets)	20.07
	Simplex - Word	26.24	9.14 (1 set)	15.45 (4 sets)		20.08
	Simplex - Excel	26.01	9.22 (1 set)	15.52 (4 sets)		20.07
	Simplex - Average	27	9	15	19	20
	Duplex - Adobe Reader	39.23	6.10 (1 set)	8.34 (3 sets)		10.30
	Duplex - Word	38.37	6.24 (1 set)	8.46 (3 sets)		10.30
	Duplex - Excel	38.25	6.26 (1 set)	8.48 (3 sets)		10.30
	Duplex - Average	39	6	8		10

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

System Parameters	
Item	Value
Computer	HP XW8400 Workstation
Processor	Intel Xeon 2.66 GHz, X5355
System Chip Set	Intel 5000P
System Board	Standard system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	ATI FireGL V7200
Optical Drive	HP GSA-H60L SATA interface
I/O Subsystem	Builtin
USB Subsystem	USB 2.0
TCP/IP	TCP/IP 10/100
Operating System	Windows XP Professional, SP 3
Printing Applications	Microsoft Office Word 2003
	Microsoft Office Excel 2003
	Adobe Reader 8.0
Test files and location	Office category files, hard drive