

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

Full Detailed Test Report - LETTER

HP LaserJet 400 M401dw

Printing device and settings		
Test Start Date and Time	6/14/2012 3:03	
Tester	AX	
Machine name/model	HP LaserJet 400 M401dw	
Colour or B&W	B&W	
FW Version	20120507_1047	
Temperature and Humidity	76.3 degF / 24.6 degC, 56.4 %rH	
Voltage	110V	
Test End Date and Time	6/14/2012 20:59	

	Item	Value
Mode and Setting	Driver Version	5.4.0.11493
	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 / HP
	Paper Weight	75 gsm/80 gsm
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / HP Daily

Summary Report: Letter			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	13	35
	Duplex	22	16

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

Detailed Report: LETTER						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
			1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Defaults  (Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	13.87	17.31 ( 1 set )	29.87 ( 6 sets )	34.38 ( 39 sets )	35.33
	Simplex - Word	12.41	19.34 ( 1 set )	31.04 ( 6 sets )		35.42
	Simplex - Excel	11.96	20.07 ( 1 set )	31.40 ( 6 sets )		35.41
	Simplex - Average	13	18	30	34	35
	Duplex - Adobe Reader	22.22	10.78 ( 1 set )	14.38 ( 4 sets )		16.30
	Duplex - Word	20.83	11.52 ( 1 set )	14.76 ( 4 sets )		16.32
	Duplex - Excel	20.46	11.72 ( 1 set )	14.84 ( 4 sets )		16.28
	Duplex - Average	22	11	14		16
B&W mode  (optional for color device)	Simplex - Adobe Reader	N/A	N/A	N/A	N/A	N/A
	Simplex - Word	N/A	N/A	N/A		N/A
	Simplex - Excel	N/A	N/A	N/A		N/A
	Simplex - Average	N/A	N/A	N/A	N/A	N/A
	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  
Reports located: <http://www.hp.com/go/printerclaims>

System Parameters	
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 400 M401dw

Printing device and settings		
Test Start Date and Time	6/14/2012 3:03	
Tester	AX	
Machine name/model	HP LaserJet 400 M401dw	
Colour or B&W	B&W	
FW Version	20120507_1047	
Temperature and Humidity	76.3 degF / 24.6 degC, 56.4 %rH	
Voltage	110V	
Test End Date and Time	6/14/2012 20:59	

	Item	Value
Mode and Setting	Driver Version	5.4.0.11493
	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 / HP
	Paper Weight	75 gsm/80 gsm
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / HP Daily

Summary Report: A4			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	14	33
	Duplex	22	15

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

Detailed Report: A4						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
			1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Defaults  (Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	14.15	16.95 ( 1 set )	28.69 ( 6 sets )	32.70 ( 37 sets )	33.59
	Simplex - Word	12.73	18.85 ( 1 set )	29.69 ( 6 sets )		33.58
	Simplex - Excel	12.58	19.08 ( 1 set )	29.85 ( 6 sets )		33.61
	Simplex - Average	14	18	29	32	33
	Duplex - Adobe Reader	22.56	10.62 ( 1 set )	14.10 ( 4 sets )		15.94
	Duplex - Word	21.07	11.38 ( 1 set )	14.48 ( 4 sets )		15.96
	Duplex - Excel	20.98	11.44 ( 1 set )	14.52 ( 4 sets )		15.96
	Duplex - Average	22	11	14		15
B&W mode  (optional for color device)	Simplex - Adobe Reader	N/A	N/A	N/A	N/A	N/A
	Simplex - Word	N/A	N/A	N/A		N/A
	Simplex - Excel	N/A	N/A	N/A		N/A
	Simplex - Average	N/A	N/A	N/A	N/A	N/A
	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  
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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