

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

Lexmark Lexmark MS812de

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 1/7/2015 16:37 |
| Tester | AH |
| Machine name/model | Lexmark MS812de |
| Colour or B&W | B&W |
| FW Version | FDN.DN.E213-0 |
| Temperature and Humidity | 71 degF / 21 degC, 24 %RH |
| Voltage | 110V |
| Test End Date and Time | 1/11/2013 9:01 |

| Item | Value | |
|--------------------|-------------------------|--|
| Mode and Setting | Driver Version | 2.7.1.0 |
| | Media/Quality Setting | Default / Default |
| | Simplex B&W Settings | N/A |
| | Duplex B&W Settings | N/A |
| | 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) |
| 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 Colorlok / Xerox Business 4200 |

| Summary Report: Letter | | | |
|-------------------------------------|---------|----------------|------------|
| Office Category Test for B&W Device | | FSOT (seconds) | ESAT (ipm) |
| B&W | Simplex | 7.9 | 70.5 |
| | Duplex | 10.7 | 44.4 |

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) | 1 set + 4min (# of sets) | 1 set + 30sec |
| 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 | 8.24 | 29.11 (1 set) | 62.23 (11 sets) | 69.05 (78 sets) | 70.52 |
| | Simplex - Word | 7.73 | 31.07 (1 set) | 63.47 (11 sets) | | 70.61 |
| | Simplex - Excel | 7.64 | 31.39 (1 set) | 63.27 (11 sets) | | 70.51 |
| | Simplex - Average | 7.9 | 30.5 | 62.9 | 69.0 | 70.5 |
| | Duplex - Adobe Reader | 11.13 | 21.54 (1 set) | 37.68 (7 sets) | | 44.38 |
| | Duplex - Word | 10.59 | 22.64 (1 set) | 37.84 (7 sets) | | 44.48 |
| | Duplex - Excel | 10.15 | 23.62 (1 set) | 38.28 (7 sets) | | 44.62 |
| | Duplex - Average | 10.7 | 22.6 | 37.9 | | 44.4 |

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

Lexmark Lexmark MS812de

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 1/7/2015 16:37 |
| Tester | AH |
| Machine name/model | Lexmark MS812de |
| Colour or B&W | B&W |
| FW Version | FDN.DN.E213-0 |
| Temperature and Humidity | 71 degF / 21 degC, 24 %rH |
| Voltage | 110V |
| Test End Date and Time | 1/11/2013 9:01 |

| Item | Value | |
|-------------------------|-------------------------|--|
| Mode and Setting | Driver Version | 2.7.1.0 |
| | Media/Quality Setting | Default / Default |
| | Simplex B&W Settings | N/A |
| | Duplex B&W Settings | N/A |
| | 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 Colorlok / Xerox Business 4200 |

| Summary Report: A4 | | | |
|-------------------------------------|---------|----------------|------------|
| Office Category Test for B&W Device | | FSOT (seconds) | ESAT (ipm) |
| B&W | Simplex | 9.7 | 43.2 |
| | Duplex | 11.0 | 42.8 |

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 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 | 13.36 | 17.95 (1 set) | 37.54 (10 sets) | 33.60 (73 sets) | 40.72 |
| | Simplex - Word | 7.86 | 30.51 (1 set) | 37.69 (10 sets) | | 38.65 |
| | Simplex - Excel | 7.85 | 30.56 (1 set) | 47.10 (10 sets) | | 50.48 |
| | Simplex - Average | 9.7 | 26.3 | 40.7 | 33.6 | 43.2 |
| | Duplex - Adobe Reader | 11.83 | 20.42 (1 set) | 36.08 (7 sets) | | 42.74 |
| | Duplex - Word | 10.43 | 23.00 (1 set) | 36.50 (7 sets) | | 42.86 |
| | Duplex - Excel | 10.47 | 22.90 (1 set) | 36.97 (7 sets) | | 42.86 |
| | Duplex - Average | 11.0 | 22.1 | 36.5 | | 42.8 |

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

Lexmark Lexmark MS812de

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 1/7/2015 16:37 |
| Tester | AH |
| Machine name/model | Lexmark MS812de |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Controller | Not Specified |
| Printing device page count | 26772 |
| Printing supplies page count | Not Specified |
| Temperature and Humidity | 71 degF / 22 degC, 24 %rH |
| Voltage | 110V |
| Test End Date and Time | 1/12/2015 22:26 |

| Item | Value |
|-------------------------|--------------------------------|
| Mode and Setting | |
| PDL and driver version | PCL6 v6.2.9200.20562 |
| 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) |
| Duplexing unit | Short Edge |

ISO First Page Out Time Summary Report: Office Category

| Summary Report: Letter | | |
|------------------------|---------|----------------------------|
| | | F POT from Ready (seconds) |
| B&W | Simplex | 5.0 |
| | Duplex | 8.4 |

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.
 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 | F POT from Ready - Simplex | | | | | |
| | F POT from Ready - Duplex | | | | | |
| | F POT from Sleep - Simplex | | | | | |
| | Recovery Time | | | | | |
| | F POT from Off - Simplex | | | | | |
| | Warm-up Time | | | | | |
| B&W Mode | F POT from Ready - Simplex | 4.76 | 5.00 | 5.30 | 5.03 | 50 Seconds |
| | F POT from Ready - Duplex | 8.02 | 8.26 | 8.85 | 8.39 | 50 Seconds |
| | F POT from Sleep - Simplex | | | 10.48 | | |
| | Recovery Time | | | 5.2 | | |
| | F POT from Off - Simplex | | | 76.00 | | |
| | Warm-up Time | | | 70.70 | | |

Notes
 1) All printing device and driver settings were default mode.
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 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 | Builtin |
| | 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 |
| | Test files and location | 2.7.1.0 Office category files, hard drive |

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

Full Detailed Test Report - A4

Lexmark Lexmark MS812de

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 1/7/2015 16:37 |
| Tester | AH |
| Machine name/model | Lexmark MS812de |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Controller | Not Specified |
| Printing device page count | 26772 |
| Printing supplies page count | Not Specified |
| Temperature and Humidity | 71 degF / 22 degC, 24 %rH |
| Voltage | 110V |
| Test End Date and Time | 1/12/2015 22:26 |

| | Item | Value |
|------------------|------------------------|--------------------------------|
| Mode and Setting | PDL and driver version | PCL6 v6.2.9200.20562 |
| | 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) |
| | Duplexing unit | Short Edge |

ISO First Page Out Time Summary Report: Office Category

| Summary Report: A4 | | |
|--------------------|---------|---------------------------|
| | | FPOt from Ready (seconds) |
| B&W | Simplex | 5.1 |
| | Duplex | 8.4 |

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>.
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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 | 4.79 | 5.01 | 5.39 | 5.07 | 50 Seconds |
| | FPOt from Ready - Duplex | 8.13 | 8.36 | 8.74 | 8.42 | 50 Seconds |
| | FPOt from Sleep - Simplex | | | 10.51 | | |
| | Recovery Time | | | 5.1 | | |
| | FPOt from Off - Simplex | | | 81.37 | | |
| | Warm-up Time | | | 75.98 | | |

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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| Test System Parameters | | |
|----------------------------|-------------------------|---|
| | Item | Value |
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| | 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 DH16aC5HR ATA |
| | I/O Subsystem | Builtin |
| | 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 |
| | Test files and location | 2.7.1.0 Office category files, hard drive |