

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Managed Flow MFP E82540z

| Printing device and settings | |
|------------------------------|--------------------------------------|
| Test Start Date and Time | 4/12/2017 10:18 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/8/2017 9:58 |

| | Item | Value |
|------------------|-------------------------|---|
| Mode and Setting | Driver Version | 6.4.0 |
| | Media/Quality Setting | Default / Default |
| | Simplex B&W Settings | Print in Grayscale |
| | Duplex B&W Settings | Print in Grayscale |
| | 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 |
| Paper | Output Orientation | Default (face down) |
| | 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 | 11.8 | 40.2 |
| | Duplex | 19.3 | 40.3 |

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) | 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 | 12.32 | 19.48 (1 set) | 34.07 (7 sets) | 38.52 (42 sets) | 40.26 |
| | Simplex - Word | 11.31 | 21.22 (1 set) | 35.14 (7 sets) | | 40.25 |
| | Simplex - Excel | 11.52 | 20.83 (1 set) | 35.51 (7 sets) | | 40.27 |
| | Simplex - Average | 11.8 | 20.5 | 34.9 | 38.5 | 40.2 |
| | Duplex - Adobe Reader | 20.03 | 11.96 (1 set) | 28.74 (7 sets) | | 40.38 |
| | Duplex - Word | 18.96 | 12.64 (1 set) | 30.70 (7 sets) | | 40.38 |
| | Duplex - Excel | 18.66 | 12.86 (1 set) | 30.60 (7 sets) | | 40.38 |
| | Duplex - Average | 19.3 | 12.4 | 30.0 | | 40.3 |

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 | 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

HP LaserJet Managed Flow MFP E82540z

| Printing device and settings | |
|------------------------------|--------------------------------------|
| Test Start Date and Time | 4/12/2017 10:18 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293 005975 |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/8/2017 9:58 |

| Item | Value | |
|------------------|-------------------------|---|
| Mode and Setting | Driver Version | 6.4.0 |
| | Media/Quality Setting | Default / Default |
| | Simplex B&W Settings | Print in Grayscale |
| | Duplex B&W Settings | Print in Grayscale |
| | 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 |
| Paper | Output Orientation | Default (face down) |
| | 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: A4 | | | |
|-------------------------------------|---------|----------------|------------|
| Office Category Test for B&W Device | | FSOT (seconds) | ESAT (ipm) |
| B&W | Simplex | 12.0 | 40.2 |
| | Duplex | 19.2 | 40.3 |

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://w.w.w.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 | 12.51 | 19.19 (1 set) | 34.86 (7 sets) | 38.75 (42 sets) | 40.26 |
| | Simplex - Word | 11.85 | 20.26 (1 set) | 35.50 (7 sets) | | 40.26 |
| | Simplex - Excel | 11.58 | 20.72 (1 set) | 34.94 (7 sets) | | 40.30 |
| | Simplex - Average | 12.0 | 20.0 | 35.1 | 38.7 | 40.2 |
| | Duplex - Adobe Reader | 19.82 | 12.10 (1 set) | 29.96 (7 sets) | | 40.40 |
| | Duplex - Word | 18.91 | 12.68 (1 set) | 30.44 (7 sets) | | 40.38 |
| | Duplex - Excel | 18.82 | 12.74 (1 set) | 30.14 (7 sets) | | 40.38 |
| | Duplex - Average | 19.2 | 12.5 | 30.1 | | 40.3 |

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://w.w.w.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 - Tabloid

HP LaserJet Managed Flow MFP E82540z

| Printing device and settings | |
|------------------------------|--------------------------------------|
| Test Start Date and Time | 4/12/2017 10:18 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293 005975 |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/8/2017 9:58 |

| Item | Value |
|-------------------------|---|
| Driver Version | 6.4.0 |
| Media/Quality Setting | Default / Default |
| Simplex B&W Settings | Print in Grayscale |
| Duplex B&W Settings | Print in Grayscale |
| Setting N set count | Application |
| 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) |
| 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: Tabloid | | | |
|-------------------------------------|---------|----------------|------------|
| Office Category Test for B&W Device | | FSOT (seconds) | ESAT (ipm) |
| B&W | Simplex | 18.5 | 21.6 |
| | Duplex | 29.2 | 21.6 |

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://w.w.w.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

| Detailed Report: Tabloid | | | | | | |
|---|------------------------|--------------------|--------------------|---------------------------|--------------------------|---------------|
| | 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 | 18.82 | 12.75 (1 set) | 18.35 (4 sets) | 20.50 (23 sets) | 21.66 |
| | Simplex - Word | 17.91 | 13.40 (1 set) | 18.72 (4 sets) | | 21.65 |
| | Simplex - Excel | 18.51 | 12.96 (1 set) | 18.52 (4 sets) | | 21.65 |
| | Simplex - Average | 18.5 | 13.0 | 18.5 | 20.5 | 21.6 |
| | Duplex - Adobe Reader | 35.74 | 6.70 (1 set) | 15.52 (4 sets) | | 21.64 |
| | Duplex - Word | 25.94 | 9.24 (1 set) | 16.00 (4 sets) | | 21.64 |
| | Duplex - Excel | 25.64 | 9.36 (1 set) | 16.20 (4 sets) | | 21.66 |
| | Duplex - Average | 29.2 | 8.4 | 15.9 | | 21.6 |

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://w.w.w.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 | Builitin |
| 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 - A3

HP LaserJet Managed Flow MFP E82540z

| Printing device and settings | |
|------------------------------|--------------------------------------|
| Test Start Date and Time | 4/12/2017 10:18 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293 005975 |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/8/2017 9:58 |

| Item | Value |
|-------------------------|---|
| Driver Version | 6.4.0 |
| Media/Quality Setting | Default / Default |
| Simplex B&W Settings | Print in Grayscale |
| Duplex B&W Settings | Print in Grayscale |
| Setting N set count | Application |
| 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) |
| 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: A3 | | | |
|-------------------------------------|---------|----------------|------------|
| Office Category Test for B&W Device | | FSOT (seconds) | ESAT (ipm) |
| B&W | Simplex | 11.8 | 21.6 |
| | Duplex | 19.3 | 21.6 |

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://w.w.w.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

| Detailed Report: A3 | | | | | | |
|---|------------------------|--------------------|--------------------|---------------------------|--------------------------|---------------|
| | 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 | 21.09 | 11.38 (1 set) | 17.68 (4 sets) | 19.88 (23 sets) | 21.66 |
| | Simplex - Word | 19.92 | 12.05 (1 set) | 18.09 (4 sets) | | 21.66 |
| | Simplex - Excel | 20.91 | 11.48 (1 set) | 17.73 (4 sets) | | 21.66 |
| | Simplex - Average | 20.7 | 11.6 | 17.8 | 19.8 | 21.6 |
| | Duplex - Adobe Reader | 28.01 | 8.56 (1 set) | 15.50 (4 sets) | | 21.66 |
| | Duplex - Word | 25.62 | 9.36 (1 set) | 16.24 (4 sets) | | 21.64 |
| | Duplex - Excel | 25.66 | 9.34 (1 set) | 16.34 (4 sets) | | 21.64 |
| | Duplex - Average | 26.5 | 9.0 | 16.0 | | 21.6 |

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://w.w.w.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

Feature Performance Full Report - Office Feature Performance Test

HP LaserJet Managed Flow MFP E82540z

| Printing device and settings | | |
|------------------------------|--------------------------------------|--|
| Test Start Date and Time | 4/12/2017 10:18 | |
| Tester | TQW | |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z | |
| Colour or B&W | B&W | |
| FW Version | 2403293 005975 | |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH | |
| Voltage | 110V | |
| Test End Date and Time | 8/8/2017 9:58 | |

| | Item | Value |
|------------------|-------------------------|---|
| Mode and Setting | Driver Version | 6.4.0 |
| | Media/Quality Setting | Default / Default |
| | Simplex B&W Settings | Print in Grayscale |
| | Duplex B&W Settings | Print in Grayscale |
| | 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 |

ISO Print Productivity Report: Feature Performance Test Summary

| Printing Modes (Feature Adobe Reader - Office test file) | | Feature Performance Ratio | |
|---|---------|-------------------------------|-------------------------------|
| | | A5 and Legal | |
| | | FSOT (base) FSOT (feature) | ESAT (feature) ESAT (base) |
| A5 Landscape Feed - Colour | Simplex | | |
| A5 Portrait Feed - Colour | Simplex | | |
| Legal - Colour | Simplex | | |
| Legal - Colour | Duplex | | |
| A5 Landscape Feed - B/W | Simplex | 168% | 100% |
| A5 Portrait Feed - B/W | Simplex | 99% | 100% |
| Legal - B/W | Simplex | 117% | 61% |
| Legal - B/W | Duplex | 94% | 61% |

Notes

- 1) All printing device and driver settings were default mode.
- 2) Test conducted with 8-paper Office Feature Performance file.
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test

| Printing Modes Feature Adobe Reader - Office test file (8-page) | Base Printing Mode | | Feature Performance | | | |
|---|-----------------------|--------------|----------------------|------------------------------|-------------------------------|-------------------------------|
| | FSOT Base | ESAT Base | A5 and Legal | | | |
| | | | 1 set FSOT (secs) | 1 set + 30 sec ESAT (ipm) | FSOT (base) FSOT (feature) | ESAT (feature) ESAT (base) |
| Simplex A5 Landscape Feed - Colour | | | | | | |
| Simplex A5 Portrait Feed - Colour | | | | | | |
| Legal Simplex - Colour | | | | | | |
| Legal Duplex - Colour | | | | | | |
| Simplex A5 Landscape Feed - B/W | 30.3 | 40.24 | 18.05 | 40.3 | 168% | 100% |
| Simplex A5 Portrait Feed - B/W | 30.3 | 40.24 | 30.75 | 40.3 | 99% | 100% |
| Legal Simplex - B/W | 30.3 | 40.24 | 26 | 24.8 | 117% | 61% |
| Legal Duplex - B/W | 30.3 | 40.24 | 32.46 | 24.8 | 94% | 61% |

Notes

- 1) All printing device and driver settings were default mode.
- 2) Test conducted with 8-paper Office Feature Performance file.
- 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 |
|-------------|-------------------------|---|
| 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 | Built-in |
| | USB Subsystem | USB 2.0/3.0 |
| I/O | TCP/IP | TCP/IP 10/1000 |
| Software | 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

| | |
|--------------------------------------|--------------------------------------|
| HP LaserJet Managed Flow MFP E82540z | |
| Printing device and settings | |
| Test Start Date and Time | 4/12/2017 10:18 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Configuration (options) | Default |
| Controller | Unknown |
| Printing device page count | Not Specified |
| Printing supplies page count | Not Specified |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/8/2017 9:58 |

| | | |
|-------------------------|------------------------|--------------------------------|
| Item | | Value |
| Mode and Setting | PDL and driver version | 6.4.0 |
| | 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: Letter | | FPOT from Ready (seconds) |
| B&W | Simplex | 7.45 |
| | Duplex | |

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 | | | N/A | | |
| | Recovery Time | | | | | |
| | FPOT from Off - Simplex | | | | | |
| | Warm-up Time | | | | | |
| B&W Mode | FPOT from Ready - Simplex | 6.99 | 7.44 | 7.92 | 7.45 | 20 Seconds |
| | FPOT from Ready - Duplex | | | | | |
| | FPOT from Sleep - Simplex | | | 35.27 | | 76 Minutes |
| | Recovery Time | | | 27.3 | | |
| | FPOT from Off - Simplex | | | 189.42 | | |
| | Warm-up Time | | | 181.50 | | |

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.
 6) Details for FPOT from Sleep are shown below.

HP Data Table

| | | | | | | | |
|--------------------------------|---|------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------|-------------------|
| Detailed Report: LETTER | | | | | | | |
| | | FPOT Avg (secs) | FPOT (secs) Iteration 1 | FPOT (secs) Iteration 2 | FPOT (secs) Iteration 3 | Application | Delay Time |
| Color Mode | FPOT from Sleep | N/A | N/A | N/A | N/A | Adobe Reader | |
| | FPOT from Sleep (15 minutes) HP/Non ISO Test | N/A | N/A | N/A | N/A | Adobe Reader | |
| B&W Mode | FPOT from Sleep | 35.27 | 35.40 | 35.13 | N/A | Adobe Reader | 76 Minutes |
| | FPOT from Sleep (15 minutes) HP/Non ISO Test | 19.81 | 19.83 | 19.79 | N/A | Adobe Reader | 16 Minutes |

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) DLP includes detailed iterations as data measurements may vary run to run.

| | | |
|-----------------------------------|-----------------------|---|
| 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 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 Adobe Reader 10.1.4 |
| | Print Driver | 6.4.0 |

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

Full Detailed Test Report - A4

| | | |
|--------------------------------------|--------------------------------------|--|
| HP LaserJet Managed Flow MFP E82540z | | |
| Printing device and settings | | |
| Test Start Date and Time | 4/12/2017 10:18 | |
| Tester | TQW | |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z | |
| Colour or B&W | B&W | |
| FW Version | 2403293_005975 | |
| Configuration (options) | Default | |
| Controller | Unknown | |
| Printing device page count | Not Specified | |
| Printing supplies page count | Not Specified | |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH | |
| Voltage | 110V | |
| Test End Date and Time | 8/8/2017 9:58 | |

| | | |
|-------------------------|------------------------|--------------------------------|
| Item | | Value |
| Mode and Setting | PDL and driver version | 6.4.0 |
| | 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 | 7.23 |
| | Duplex | |
| 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 |
| Color Mode | FPOT from Ready - Simplex | | | | | |
| | FPOT from Ready - Duplex | | | | | |
| | FPOT from Sleep - Simplex | | | N/A | | |
| | Recovery Time | | | | | |
| | FPOT from Off - Simplex | | | | | |
| | Warm-up Time | | | | | |
| B&W Mode | FPOT from Ready - Simplex | 6.90 | 7.15 | 7.64 | 7.23 | 20 Seconds |
| | FPOT from Ready - Duplex | | | | | |
| | FPOT from Sleep - Simplex | | | 37.07 | | 76 Minutes |
| | Recovery Time | | | 29.4 | | |
| | FPOT from Off - Simplex | | | 186.64 | | |
| | Warm-up Time | | | 179.00 | | |
| 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. | | | | | | |
| 6) Details for FPOT from Sleep are shown below. | | | | | | |

HP Data Table

| | | | | | | | |
|---|---|------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------|-------------------|
| Detailed Report: A4 | | | | | | | |
| | | FPOT Avg (secs) | FPOT (secs) Iteration 1 | FPOT (secs) Iteration 2 | FPOT (secs) Iteration 3 | Application | Delay Time |
| Color Mode | FPOT from Sleep | N/A | N/A | N/A | N/A | Adobe Reader | |
| | FPOT from Sleep (15 minutes) HP/Non ISO Test | N/A | N/A | N/A | N/A | Adobe Reader | |
| B&W Mode | FPOT from Sleep | 37.07 | 36.90 | 37.23 | N/A | Adobe Reader | 76 Minutes |
| | FPOT from Sleep (15 minutes) HP/Non ISO Test | 19.53 | 19.45 | 19.60 | N/A | Adobe Reader | 16 Minutes |
| 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) DLP includes detailed iterations as data measurements may vary run to run. | | | | | | | |

| | | |
|-----------------------------------|-----------------------|---|
| 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 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 Adobe Reader 10.1.4 |
| | Print Driver | 6.4.0 |

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet Managed Flow MFP E82540z

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 13:19 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Test End Date and Time: | 8/3/2017 11:29 |

| | 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 | 5.9 | 40.2 |

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

| Detailed Report: LETTER | | | | | | |
|--------------------------------|---------|--------------|-------------|------------------|-------------------|-------------|
| | Target | sFCOT (secs) | sEFTP (ipm) | | | sESAT (ipm) |
| | | | 1copy | 1copy+30sec | 1copy+4minutes | |
| B&W | A | 5.89 | 10.19 | 33.42 22 sets | 39.03 167 sets | 40.21 |
| | B | | | | | |
| | C | | | | | |
| | D | | | | | |
| | Average | | 5.9 | 10.2 | 33.4 | 39.0 |

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP LaserJet Managed Flow MFP E82540z

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 13:19 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Test End Date and Time: | 8/3/2017 11:29 |

| | 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 | 5.9 | 40.3 |

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

| Detailed Report: A4 | | | | | | |
|----------------------------|---------|--------------|-------------|------------------|-------------------|-------------|
| | Target | sFCOT (secs) | sEFTP (ipm) | | | sESAT (ipm) |
| | | | 1copy | 1copy+30sec | 1copy+4minutes | |
| B&W | A | 5.85 | 10.25 | 33.85 22 sets | 39.20 166 sets | 40.27 |
| | B | | | | | |
| | C | | | | | |
| | D | | | | | |
| | Average | | 5.9 | 10.3 | 33.9 | 39.2 |

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

| Machine Setup Information | |
|---------------------------|--|
| Test Start Date and Time | 8/2/2017 15:54 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Test End Date and Time: | 8/3/2017 10:52 |
| 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 only | 1 set + 30sec | 1 set + 4min | 1 set + 30sec |
| Color Mode | 1:1 | | (1 set) | | | |
| | 1:2 | | (1 set) | | | |
| | 2:2 | | (1 set) | | | |
| B&W mode | 1:1 | 13.53 | 17.75 | 32.46 7 sets | 38.81 42 sets | 40.27 |
| | 1:2 | 22.39 | 10.72 | 28.96 7 sets | | 40.40 |
| | 2:2 | 22.41 | 10.70 | 29.20 7 sets | | 40.38 |
| 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 | 8/2/2017 15:54 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| FW Version | 2403293_005975 |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Test End Date and Time: | 8/3/2017 10:52 |
| 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 | 15.09 | 15.91 | 33.66 7 sets | 38.85 42 sets | 40.26 |
| | 1:2 | 21.89 | 10.94 | 28.60 7 sets | | 40.40 |
| | 2:2 | 21.39 | 11.22 | 29.40 7 sets | | 40.40 |
| Notes | | | | | | |
| Reports located: http://www.hp.com/go/printerclaims | | | | | | |

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 14:45 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/2/2017 15:06 |

| Mode and Setting | Preset Item | Preset Value |
|------------------|------------------------------|--|
| | | Scanning resolution |
| | Colour or grey scale/B&W | default (colour) |
| | Duplex / simplex | default (simplex) |
| | Original page size | default (A4) |
| | Paper feed orientation | default (long edge) |
| | Scan destination | default (shared network) |
| | Storing File Type | default (PDF-multi) |
| | Auto scan quality adjustment | default (factory preset default setting) |
| ADF | Paper feed direction | default (long edge) |
| Paper-path | Output orientation | default |
| | Scanning unit | default (duplex ADF) |

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Letter

| | Scanning Mode | | | Measurement result |
|--------|---------------------|------------|---------------|---------------------|
| | File format version | Resolution | Scanning side | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 124.11 |
| | | | double sided | 256.43 |
| B&W | 1.4 | 200 | single sided | 124.73 |
| | | | double sided | 256.34 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Letter

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 71.00 | 7.71 | 17.00 |
| | | | double sided | 76.98 | 18.52 | 34.00 |
| B&W | 1.4 | 200 | single sided | 93.80 | 3.04 | 17.00 |
| | | | double sided | 136.00 | 6.20 | 34.00 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Letter

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|---------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setA (ipm) | scEFTP 30secA (ipm) | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 40.03 | 105.97 | 124.11 |
| | | | double sided | 47.33 | 226.13 | 256.43 |
| B&W | 1.4 | 200 | single sided | 39.38 | 111.72 | 124.73 |
| | | | double sided | 47.16 | 227.76 | 256.34 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Letter

| | Scanning Mode | | | Measurement result | | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setF (ipm) | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 24.00 | 71.00 | 7.71 | 17 |
| | | | double sided | 22.90 | 76.98 | 18.52 | 34 |
| B&W | 1.4 | 200 | single sided | 30.00 | 93.80 | 3.04 | 17 |
| | | | double sided | 21.80 | 136.00 | 6.20 | 34 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

| Test System Parameters | | |
|----------------------------|----------------------------|---|
| Item | Value | |
| System | Computer name | 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 |
| | Operating System | Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1 |
| Scanning Device Connection | Location of network folder | PC |
| | Internet Protocol | IPv4 |
| | Transfer Protocol | SMB |
| | Hub | Trendnet Router and Gbit Switch |
| | Network Speed | TCP 10/1000 Mbit Ethernet |
| | Connction Cable | Cat6 Straight cable |
| | Wireless router | No use |
| Others | No use | |

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 14:45 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/2/2017 15:06 |

| | Preset Item | Preset Value |
|--------------------|------------------------------|--|
| Mode and Setting | Scanning resolution | default (200 dpi) |
| | Colour or grey scale/B&W | default (colour) |
| | Duplex / simplex | default (simplex) |
| | Original page size | default (A4) |
| | Paper feed orientation | default (long edge) |
| | Scan destination | default (shared network) |
| | Storing File Type | default (PDF-multi) |
| | Auto scan quality adjustment | default (factory preset default setting) |
| | ADF Paper-path | Paper feed direction |
| Output orientation | | default |
| Scanning unit | | default (duplex ADF) |

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A4

| | Scanning Mode | | | Measurement result |
|--------|---------------------|------------|---------------|---------------------|
| | File format version | Resolution | Scanning side | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 125.48 |
| | | | double sided | 258.86 |
| B&W | 1.4 | 200 | single sided | 125.54 |
| | | | double sided | 259.66 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A4

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 76.26 | 6.95 | 17.00 |
| | | | double sided | 76.12 | 18.39 | 36.00 |
| B&W | 1.4 | 200 | single sided | 91.69 | 2.66 | 17.00 |
| | | | double sided | 121.96 | 6.22 | 35.00 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A4

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|---------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setA (ipm) | scEFTP 30secA (ipm) | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 37.59 | 111.85 | 125.48 |
| | | | double sided | 43.65 | 219.5 | 258.86 |
| B&W | 1.4 | 200 | single sided | 40.20 | 112.22 | 125.54 |
| | | | double sided | 45.77 | 230.22 | 259.66 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A4

| | Scanning Mode | | | Measurement result | | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setF (ipm) | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 22.90 | 76.26 | 6.95 | 17 |
| | | | double sided | 24.00 | 76.12 | 18.39 | 36 |
| B&W | 1.4 | 200 | single sided | 28.33 | 91.69 | 2.66 | 17 |
| | | | double sided | 28.33 | 121.96 | 6.22 | 35 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

| Test System Parameters | | |
|------------------------|----------------------------|---|
| Item | Value | |
| System | Computer name | 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 |
| | Operating System | Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1 |
| | Scanning Device Connection | Location of network folder |
| Internet Protocol | | IPv4 |
| Transfer Protocol | | SMB |
| Hub | | Trendnet Router and Gbit Switch |
| Network Speed | | TCP 10/1000 Mbit Ethernet |
| Connection Cable | | Cat6 Straight cable |
| Wireless router | | No use |
| Others | No use | |

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - Tabloid

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 14:45 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/2/2017 15:06 |

| | Preset Item | Preset Value |
|------------------|------------------------------|--|
| Mode and Setting | Scanning resolution | default (200 dpi) |
| | Colour or grey scale/B&W | default (colour) |
| | Duplex / simplex | default (simplex) |
| | Original page size | default (A4) |
| | Paper feed orientation | default (long edge) |
| | Scan destination | default (shared network) |
| | Storing File Type | default (PDF-multi) |
| | Auto scan quality adjustment | default (factory preset default setting) |
| | ADF Paper-path | Paper feed direction |
| | Output orientation | default |
| | Scanning unit | default (duplex ADF) |

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Tabloid

| | Scanning Mode | | | Measurement result |
|--------|---------------------|------------|---------------|---------------------|
| | File format version | Resolution | Scanning side | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 76.55 |
| | | | double sided | 153.59 |
| B&W | 1.4 | 200 | single sided | 76.32 |
| | | | double sided | 152.76 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Tabloid

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 40.32 | 10.91 | 11.00 |
| | | | double sided | 43.52 | 20.74 | 21.00 |
| B&W | 1.4 | 200 | single sided | 56.78 | 3.28 | 11.00 |
| | | | double sided | 84.14 | 6.99 | 22.00 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Tabloid

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|---------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setA (ipm) | scEFTP 30secA (ipm) | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 32.71 | 68.61 | 76.55 |
| | | | double sided | 41.55 | 135.66 | 153.59 |
| B&W | 1.4 | 200 | single sided | 33.33 | 68.73 | 76.32 |
| | | | double sided | 0.00 | 135.65 | 152.76 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Tabloid

| | Scanning Mode | | | Measurement result | | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setF (ipm) | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 17.23 | 40.32 | 10.91 | 11 |
| | | | double sided | 18.46 | 43.52 | 20.74 | 21 |
| B&W | 1.4 | 200 | single sided | 21.81 | 56.78 | 3.28 | 11 |
| | | | double sided | 0.00 | 84.14 | 6.99 | 22 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

| Test System Parameters | | |
|------------------------|----------------------------|---|
| Item | Value | |
| System | Computer name | 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 |
| | Operating System | Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1 |
| | Scanning Device Connection | Location of network folder |
| Internet Protocol | | IPv4 |
| Transfer Protocol | | SMB |
| Hub | | Trendnet Router and Gbit Switch |
| Network Speed | | TCP 10/1000 Mbit Ethernet |
| Connection Cable | | Cat6 Straight cable |
| Wireless router | | No use |
| Others | No use | |

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A3

| Machine Setup Information | |
|---------------------------|--------------------------------------|
| Test Start Date and Time | 4/13/2017 14:45 |
| Tester | TQW |
| Machine name/model | HP LaserJet Managed Flow MFP E82540z |
| Colour or B&W | B&W |
| Configuration (options) | Default |
| Temperature and Humidity | 73 degF / 23 degC 26.2 %rH |
| Voltage | 110V |
| Test End Date and Time | 8/2/2017 15:06 |

| Mode and Setting | Preset Item | Preset Value |
|------------------|------------------------------|--|
| | Scanning resolution | default (200 dpi) |
| | Colour or grey scale/B&W | default (colour) |
| | Duplex / simplex | default (simplex) |
| | Original page size | default (A4) |
| | Paper feed orientation | default (long edge) |
| | Scan destination | default (shared network) |
| | Storing File Type | default (PDF-multi) |
| | Auto scan quality adjustment | default (factory preset default setting) |
| | ADF Paper-path | Paper feed direction |
| | Output orientation | default |
| | Scanning unit | default (duplex ADF) |

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A3

| | Scanning Mode | | | Measurement result |
|--------|---------------------|------------|---------------|---------------------|
| | File format version | Resolution | Scanning side | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 78.46 |
| | | | double sided | 155.48 |
| B&W | 1.4 | 200 | single sided | 78.17 |
| | | | double sided | 155.96 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A3

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 43.07 | 13.24 | 14.00 |
| | | | double sided | 44.02 | 20.63 | 21.00 |
| B&W | 1.4 | 200 | single sided | 57.24 | 4.21 | 13.00 |
| | | | double sided | 80.64 | 7.12 | 21.00 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A3

| | Scanning Mode | | | Measurement result | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|---------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setA (ipm) | scEFTP 30secA (ipm) | scESAT 30secA (ipm) |
| Colour | 1.4 | 200 | single sided | 32.21 | 72.15 | 78.46 |
| | | | double sided | 40.20 | 138.21 | 155.48 |
| B&W | 1.4 | 200 | single sided | 33.44 | 70.76 | 78.17 |
| | | | double sided | 45.35 | 136.45 | 155.96 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A3

| | Scanning Mode | | | Measurement result | | | |
|--------|---------------------|------------|---------------|--------------------|---------------------|--------------------------|-------------------------|
| | File format version | Resolution | Scanning side | scEFTP 1setF (ipm) | scEFTP 30secF (ipm) | File size 30secF (Mbyte) | Number of Sets (30secF) |
| Colour | 1.4 | 200 | single sided | 17.80 | 43.07 | 13.24 | 14 |
| | | | double sided | 19.23 | 44.02 | 20.63 | 21 |
| B&W | 1.4 | 200 | single sided | 25.33 | 57.24 | 4.21 | 13 |
| | | | double sided | 26.66 | 80.64 | 7.12 | 21 |

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

| Test System Parameters | | |
|------------------------|----------------------------|---|
| Item | Value | |
| System | Computer name | 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 |
| | Operating System | Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1 |
| | Scanning Device Connection | Location of network folder |
| Internet Protocol | | IPv4 |
| Transfer Protocol | | SMB |
| Hub | | Trendnet Router and Gbit Switch |
| Network Speed | | TCP 10/1000 Mbit Ethernet |
| Connection Cable | | Cat6 Straight cable |
| Wireless router | | No use |
| Others | No use | |