

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP COLOR MFP S951DN

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 2/27/2014 10:08 |
| Tester | JB |
| Machine name/model | HP COLOR MFP S951DN |
| Colour or B&W | Colour |
| FW Version | H1.01.R2 |
| Temperature and Humidity | 76 degF / 24 degC, 40 %RH |
| Voltage | 110V |
| Test End Date and Time | 3/11/2014 8:50 |

| Item | Value | |
|------------------|-------------------------|--|
| Mode and Setting | Driver Version | LUPD 17508 |
| | 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 |
| | 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 Color Device | | FSOT (seconds) | ESAT (ipm) |
| Color | Simplex | 15 | 51 |
| | Duplex | N/A | 54 |
| B&W | Simplex | 13 | 51 |
| | Duplex | N/A | 54 |

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

| Detailed Report: LETTER | | | | | | |
|---|------------------------|-------------|--------------------|---------------------------|-----------------|---------------|
| | Office Category Test | FSOT (secs) | EFTP (ipm) | | ESAT (ipm) | 1 set + 30sec |
| | | | 1 set only (1 set) | 1 set + 30sec (# of sets) | | |
| Color Mode | Simplex - Adobe Reader | 14.25 | 16.82 (1 set) | 40.42 (8 sets) | 44.67 (56 sets) | 50.94 |
| | Simplex - Word | 14.53 | 16.51 (1 set) | 40.85 (8 sets) | | 51.04 |
| | Simplex - Excel | 14.06 | 17.07 (1 set) | 41.09 (8 sets) | | 51.04 |
| | Simplex - Average | 15 | 16 | 40 | 44 | 51 |
| | Duplex - Adobe Reader | N/A | N/A | 38.34 (8 sets) | | 54.38 |
| | Duplex - Word | N/A | N/A | 38.24 (8 sets) | | 54.44 |
| | Duplex - Excel | N/A | N/A | 38.78 (8 sets) | | 54.30 |
| | Duplex - Average | N/A | N/A | 38 | | 54 |
| B&W mode (optional for color device) | Simplex - Adobe Reader | 12.71 | 18.88 (1 set) | 42.07 (8 sets) | 47.66 (56 sets) | 51.24 |
| | Simplex - Word | 12.59 | 19.05 (1 set) | 42.23 (8 sets) | | 51.22 |
| | Simplex - Excel | 12.39 | 19.36 (1 set) | 42.08 (8 sets) | | 51.20 |
| | Simplex - Average | 13 | 19 | 42 | 47 | 51 |
| | Duplex - Adobe Reader | N/A | N/A | 39.46 (8 sets) | | 54.28 |
| | Duplex - Word | N/A | N/A | 39.56 (8 sets) | | 54.24 |
| | Duplex - Excel | N/A | N/A | 39.68 (8 sets) | | 54.28 |
| | Duplex - Average | N/A | N/A | 39 | | 54 |

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

| 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

HP COLOR MFP S951DN

| Printing device and settings | |
|------------------------------|---------------------------|
| Test Start Date and Time | 2/27/2014 10:08 |
| Tester | JB |
| Machine name/model | HP COLOR MFP S951DN |
| Colour or B&W | Colour |
| FW Version | H1.01.R2 |
| Temperature and Humidity | 76 degF / 24 degC, 40 %rH |
| Voltage | 110V |
| Test End Date and Time | 3/11/2014 8:50 |

| Item | Value | |
|--------------------|-------------------------|--|
| Mode and Setting | Driver Version | UPD 17508 |
| | 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 Colorlok / Xerox Business 4200 |

| Summary Report: A4 | | | |
|---------------------------------------|---------|----------------|------------|
| Office Category Test for Color Device | | FSOT (seconds) | ESAT (ipm) |
| Colour | Simplex | 14 | 51 |
| | Duplex | 19 | 54 |
| B&W | Simplex | 13 | 51 |
| | Duplex | 18 | 54 |

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

| 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 | 14.13 | 16.97 (1 set) | 40.61 (8 sets) | 42.08 (55 sets) | 51.18 |
| | Simplex - Word | 13.96 | 17.18 (1 set) | 40.94 (8 sets) | | 51.18 |
| | Simplex - Excel | 13.69 | 17.53 (1 set) | 41.28 (8 sets) | | 51.19 |
| | Simplex - Average | 14 | 17 | 40 | 42 | 51 |
| | Duplex - Adobe Reader | 18.89 | 12.68 (1 set) | 38.54 (8 sets) | | 54.62 |
| | Duplex - Word | 18.93 | 12.66 (1 set) | 38.78 (8 sets) | | 54.58 |
| | Duplex - Excel | 18.47 | 12.98 (1 set) | 38.86 (8 sets) | | 54.54 |
| | Duplex - Average | 19 | 12 | 38 | | 54 |
| B&W mode (optional for color device) | Simplex - Adobe Reader | 12.94 | 18.55 (1 set) | 42.03 (8 sets) | 47.92 (56 sets) | 51.21 |
| | Simplex - Word | 12.57 | 19.09 (1 set) | 42.25 (8 sets) | | 51.20 |
| | Simplex - Excel | 12.27 | 19.54 (1 set) | 42.43 (8 sets) | | 51.17 |
| | Simplex - Average | 13 | 19 | 42 | 47 | 51 |
| | Duplex - Adobe Reader | 17.50 | 13.70 (1 set) | 39.58 (8 sets) | | 54.40 |
| | Duplex - Word | 17.29 | 13.86 (1 set) | 39.56 (8 sets) | | 54.34 |
| | Duplex - Excel | 17.43 | 13.76 (1 set) | 39.96 (8 sets) | | 54.36 |
| | Duplex - Average | 18 | 13 | 39 | | 54 |

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

| 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 DH16aCASHR 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 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP COLOR MFP S951DN

| Machine Setup Information | |
|---------------------------|---------------------------|
| Test Start Date and Time | 2/27/2014 10:08 |
| Tester | JB |
| Machine name/model | HP COLOR MFP S951DN |
| Colour or B&W | Colour |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 76 degF / 24 degC, 40 %rH |
| Test End Date and Time | 3/11/2014 8:50 |

| 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 Colorlok / Xerox Business 4200 |

Summary Report: **Letter**

| | sFCOT | sESAT (ipm) |
|-------|-------|-------------|
| Color | 7 | 51 |
| B&W | 5 | 51 |

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.

Detailed Report: **LETTER**

| | Target | sFCOT (secs) | sEFTP (ipm) | | | sESAT (ipm) |
|-------|---------|--------------|-------------|------------------|-------------------|-------------|
| | | | 1copy | 1copy+30sec | 1copy+4minutes | |
| Color | A | 6.92 | 8.66 | 43.09 29 sets | 46.84 223 sets | 51.12 |
| | B | 6.91 | 8.67 | 42.81 28 sets | | 51.02 |
| | C | 6.91 | 8.68 | 42.96 29 sets | | 51.02 |
| | D | 6.70 | 8.96 | 42.64 28 sets | | 51.05 |
| | Average | 7 | 8 | 42 | 46 | 51 |
| B&W | A | 4.54 | 13.27 | 45.62 29 sets | 47.55 224 sets | 51.22 |
| | B | 4.55 | 13.13 | 45.16 29 sets | | 51.20 |
| | C | 4.37 | 13.72 | 42.45 30 sets | | 51.18 |
| | D | 4.25 | 14.12 | 45.20 29 sets | | 51.19 |
| | Average | 5 | 13 | 44 | 47 | 51 |

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.

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP COLOR MFP S951DN

| Machine Setup Information | |
|---------------------------|---------------------------|
| Test Start Date and Time | 2/27/2014 10:08 |
| Tester | JB |
| Machine name/model | HP COLOR MFP S951DN |
| Colour or B&W | Colour |
| Configuration (options) | Not Specified |
| Temperature and Humidity | 76 degF / 24 degC, 40 %rH |
| Test End Date and Time | 3/11/2014 8:50 |

| | 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 Colorlok / Xerox Business 4200 |

| Summary Report: A4 | | |
|--------------------|-------|-------------|
| | sFCOT | sESAT (ipm) |
| Colour | 7 | 51 |
| B&W | 5 | 51 |

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.

| Detailed Report: A4 | | | | | | |
|---------------------|---------|--------------|-------------|------------------|---|-------------|
| | Target | sFCOT (secs) | sEFTP (ipm) | | | sESAT (ipm) |
| | | | 1copy | 1copy+30sec | 1copy+4minutes | |
| Colour | A | 6.95 | 8.63 | 43.57 29 sets | 47.37 221 sets | 51.19 |
| | B | 6.99 | 8.58 | 43.69 29 sets | 47.37 221 sets | 51.18 |
| | C | 6.94 | 8.63 | 43.96 29 sets | 47.37 221 sets | 51.19 |
| | D | 6.94 | 8.63 | 43.05 29 sets | 47.37 221 sets | 51.23 |
| | Average | 7 | 8 | 43 | 47 | 51 |
| B&W | A | 4.17 | 14.39 | 45.48 30 sets | 48.37 225 sets | 51.20 |
| | B | 4.09 | 14.62 | 45.26 29 sets | 48.37 225 sets | 51.17 |
| | C | 5.06 | 11.87 | 42.12 29 sets | 48.37 225 sets | 51.17 |
| | D | 4.28 | 14.01 | 45.26 29 sets | 48.37 225 sets | 51.21 |
| | Average | 5 | 13 | 44 | 48 | 51 |

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.