

ISO/IEC 24734 Printing Productivity Report: Office Category
 FDIS ISO/IEC 29183 Copying Productivity Report

Full Detailed Test Reports
 HP Deskjet 2050A All-in-One J510g

| Printing device and test settings | |
|-----------------------------------|---|
| Test Start Date and Time | 8 March 2011/ 3:18 March 2011/ 3:15pm |
| Tester | Karnasiah |
| Machine product number | J510g |
| Machine name/model | HP Deskjet 2050A All-in-One |
| FW Version | SLM2FN103AR |
| Colour or B&W | Color |
| Temperature and humidity | 24 degrees C, 60% |
| Voltage | 240 volts AC |
| Test End Date and Time | 11 March 2011/ 1:11 March 2011/ 10:45am |

| Modes and Settings | Item | Value |
|--------------------|-------------------------|--|
| Modes and Settings | Driver version | DJ2050_J510_231 |
| | Media / Quality Setting | Default / Default |
| | Simplex B&W settings | Driver was set to "print in grayscale, black ink only" |
| | Duplex B&W settings | N.A. |
| Settings | Setting N set count | Application |
| | Collating function | No |
| | Paper sending direction | Default |
| | Paper size setting | Default |
| Paper Path | Paper feeding | Standard cassette |
| | Paper exit | Standard exit tray |
| | Output orientation | Default (face up) |
| | Duplexing ADF Unit | No |
| Paper | Duplexing Print Unit | No |
| | Paper Manufactures | HP |
| | Weight | 22lb |
| | Size | 8.5 x 11" |
| Paper type/name | | HP All-in-One Colorok |

| Summary Reports | | | |
|-----------------|--------------|----------------|------------|
| ISO/IEC 24734 | | FSOT (seconds) | ESAT (ipm) |
| Color | Single Sided | 72 | 4 |
| | Two Sided | N/A | N/A |
| B&W | Single Sided | 51 | 5.5 |
| | Two Sided | N/A | N/A |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"
 3) For Duplex B&W results, N.A.

| FDIS ISO/IEC 29183 | | | |
|--------------------|-------|----------------|------------|
| | | FCOT (seconds) | ESAT (ipm) |
| Color | Color | 30 | 2.5 |
| | B&W | 18 | 4.5 |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute

Full Reports

| ISO/IEC 24734 | | Office Category | EFTP (ipm) | | | | ESAT (ipm) |
|----------------|--------------|-----------------|------------|-------------------|------------------|------|------------|
| | | FSOT (sec) | 1 Set | 1 Set+ 30 seconds | 1 Set+ 4 Minutes | | |
| Color | Single Sided | PDF (# sets) | 84.82 | 2.82 | 2.90 | 2.96 | 3.04 |
| | | Word (# sets) | 43.12 | 5.56 | 5.98 | 2 | 6.70 |
| | | Excel (# sets) | 87.01 | 2.75 | 2.86 | 2 | 3.00 |
| | Average | | 72 | 3 | 3 | 2 | 4 |
| | Two Sided | PDF (# sets) | N/A | N/A | N/A | | N/A |
| | | Word (# sets) | N/A | N/A | N/A | | N/A |
| Excel (# sets) | | N/A | N/A | N/A | | N/A | |
| Average | | N/A | N/A | N/A | | N/A | |
| B&W | Single Sided | PDF (# sets) | 57.43 | 4.17 | 4.40 | 4.59 | 4.81 |
| | | Word (# sets) | 37.98 | 6.32 | 7.14 | 3 | 7.76 |
| | | Excel (# sets) | 57.33 | 4.18 | 4.37 | 2 | 4.69 |
| | Average | | 51 | 4 | 5 | 4 | 5.5 |
| | Two Sided | PDF (# sets) | N/A | N/A | N/A | | N/A |
| | | Word (# sets) | N/A | N/A | N/A | | N/A |
| Excel (# sets) | | N/A | N/A | N/A | | N/A | |
| Average | | N/A | N/A | N/A | | N/A | |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"
 3) For Duplex B&W results, N.A.

| FDIS ISO/IEC 29183 | | FCOT (sec) | sEFTP (ipm) | | | sESAT (ipm) |
|--------------------|-------------------|------------|-------------|---------------------|--------------------|-------------|
| | | | 1 Copy | 1 Copy + 30 seconds | 1 Copy + 4 Minutes | |
| Color | Page 1 (# copies) | 30.38 | 1.97 | 2.41 | 2.66 | 2.80 |
| | Page 2 (# copies) | 22.45 | 2.67 | 4.46 | 3 | 5.58 |
| | Page 3 (# copies) | 31.21 | 1.92 | 2.66 | 3 | 3.42 |
| | Page 4 (# copies) | 36.16 | 1.65 | 1.64 | 3 | 1.76 |
| | Average | | 30 | 2 | 2 | 2 |
| Black | Page 1 (# copies) | 16.90 | 3.55 | 4.03 | N/A | 4.38 |
| | Page 2 (# copies) | 11.59 | 5.17 | 6.12 | 4 | 6.88 |
| | Page 3 (# copies) | 15.43 | 3.88 | 4.42 | 5 | 4.81 |
| | Page 4 (# copies) | 20.88 | 2.87 | 3.13 | 4 | 3.32 |
| | Average | | 16 | 3 | 4 | N/A |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute

Test system parameters

| | Item | Value |
|-------------|-------------------------|--|
| Test System | Computer | HP dv9812us Notebook PC |
| | Processor | AMD Turion TL-60 2.0 GHz, 1 MB L2 cache |
| | System Chip Set | Northernbridge/Southbridge: nVidia MCP67M |
| | System Board | Standard system devices, default system BIOS |
| | System Memory | 3GB PC2-5300 DDR2 SDRAM |
| | Hard Drive subsystem | Western Digital WD2500BEVS 250 GB |
| | Video subsystem | NVidia GeForce 7150M |
| | Optical Drive | Panasonic/Hewlett-Packard, DVD±RW and CD-RW |
| | IO subsystem | Built in |
| | USB subsystem | USB 2.0 |
| I/O | USB | USB 2.0 |
| | Software | |
| Software | Operating System | Microsoft Windows Vista Home Premium SP1 |
| | Printing Applications | Microsoft Office Word 2007 |
| | | Microsoft Office Excel 2007 |
| | | Adobe Reader 8.1.0 |
| | Test Files and location | Office Category files, hard drive |