

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

Full Detailed Test Reports
 HP Deskjet Ink Advantage 4530 Series All-in-One

Printing device and test settings

| | | |
|--------------------------|--|-------------|
| Test Start Date and Time | 02/17/15 | 10:00:00 AM |
| Tester | Safiah | |
| Machine product number | F0V64A | |
| Machine name/model | HP Deskjet Ink Advantage 4530 All-in-One Printer | |
| F.W. Version | CO311F507GR | |
| Colour or B&W | Colour | |
| Temperature and humidity | 23C, 50% | |
| Voltage | 115 VAC | |
| Test End Date and Time | 02/23/15 | 5:00:00 PM |

| Item | Value |
|-------------------------|--|
| Driver version | DJ4530_55 |
| Media / Quality Setting | Default / Default |
| Simplex B&W settings | Driver was set to "print in grayscale, black ink only" |
| Duplex B&W settings | Driver was set to "print in grayscale, black ink only" |
| Setting N set count | Application |
| Collating function | No |
| Paper sending direction | Default |
| Paper size setting | Default |
| Paper feeding | Standard cassette |
| Paper tray | Standard exit tray |
| Output orientation | Default (face up) |
| Duplexing ADF Unit | No |
| Duplexing Print Unit | Yes |
| Paper Manufacturer | HP |
| Weight | 72lb |
| Size | A4 |
| Paper type/name | HP Office Paper |

Summary Reports

| ISO/IEC 24734 | Color | FSOT (seconds) | ESAT (ipm) |
|---------------|--------------|----------------|------------|
| Single Sided | 51 | 6.8 | |
| Two Sided | 81 | 3 | |
| B&W | Single Sided | 38 | 9.5 |
| Two Sided | 72 | 3 | |

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, Driver was set to "print in grayscale, black ink only"
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

| FDIS ISO/IEC 29183 | Color | FCOT (seconds) | sESAT (ipm) |
|--------------------|-------|----------------|-------------|
| Color | 25 | | |
| B&W | 18 | | 7.5 |

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

Full Reports

| ISO/IEC 24734 | Office Category | FCOT (sec) | EFTP (ipm) | | | sESAT (ipm) | |
|----------------|-----------------|----------------|------------|-------------------|------------------|-------------|-------|
| | | | 1 Set | 1 Set+ 30 seconds | 1 Set+ 4 Minutes | | |
| Color | Single Sided | PDF (# sets) | 57.54 | 4.17 | 4.62 | 5.03 | 5.31 |
| | | Word (# sets) | 32.83 | | | | 10.73 |
| | | Excel (# sets) | 60.43 | | | | 4.93 |
| | Average | 51 | | | | 6.8 | |
| | Two Sided | PDF (# sets) | 95.09 | 2.52 | 2.66 | | 2.81 |
| | | Word (# sets) | 53.39 | | | | 5.35 |
| Excel (# sets) | | 92.19 | | | | 2.90 | |
| Average | 81 | | | | 3 | | |
| B&W | Single Sided | PDF (# sets) | 41.41 | 5.79 | 7.01 | 7.74 | 8.08 |
| | | Word (# sets) | 29.60 | | | | 12.93 |
| | | Excel (# sets) | 41.25 | | | | 8.08 |
| | Average | 38 | | | | 9.5 | |
| | Two Sided | PDF (# sets) | 80.76 | 2.97 | 3.23 | | 3.38 |
| | | Word (# sets) | 59.47 | | | | 4.67 |
| Excel (# sets) | | 73.90 | | | | 3.73 | |
| Average | 72 | | | | 3 | | |

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, Driver was set to "print in grayscale, black ink only"
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

| FDIS ISO/IEC 29183 | Page | FCOT (sec) | sEFTP (ipm) | | | sESAT (ipm) |
|--------------------|--------------------|------------|-------------|---------------------|--------------------|-------------|
| | | | 1 Copy | 1 Copy + 30 seconds | 1 Copy + 4 Minutes | |
| Color | Page 1 (# copies) | 28.15 | 2.13 | 3.01 | 3.57 | 3.84 |
| | Page 2 (# copies) | 25.06 | 2.39 | 4.73 | | 6.40 |
| | Page 3 (# copies) | 26.25 | 2.28 | 3.60 | | 4.52 |
| | Page 4 (# copies) | 29.33 | 2.04 | 2.64 | | 3.12 |
| | Average (# copies) | 26 | 2 | 3 | 3 | 4 |
| Black | Page 1 (# copies) | 17.38 | 3.45 | 6.05 | 6.81 | 7.16 |
| | Page 2 (# copies) | 13.90 | 4.32 | 8.69 | | 10.51 |
| | Page 3 (# copies) | 15.38 | 3.90 | 7.08 | | 8.68 |
| | Page 4 (# copies) | 19.06 | 3.14 | 4.75 | | 5.80 |
| | Average (# copies) | 16 | 3 | 6 | 6 | 7.5 |

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

Test system parameters

| Item | Value |
|-------------------------|---|
| Computer | HP dv6812us Notebook PC |
| Processor | AMD Turion TL-60 2.0 GHz, 1 MB L2 cache |
| System Chip Set | Nvidia/Southbridge: Nvidia MCP7M |
| System Board | Standard system device, default system BIOS |
| System Memory | 3GB PC2-4300 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 |
| Printer Connection | USB 2.0 |
| Operating System | Microsoft Windows 7 Professional 64-bit SP1 |
| Printing Applications | Microsoft Office Word 2010 32-bit SP1 Microsoft Office Excel 2010 32-bit SP1 |
| Test Files and location | Adobe Reader X.10.1.2 Office Category files, hard drive |