

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

Full Detailed Test Reports
HP Officejet Pro 8600 e-All-in-One Printer N911a

Printing device and test settings

| | | |
|--------------------------|--|-------------|
| Test Start Date and Time | 07/27/11 | 12:00:00 AM |
| Tester | Karen Ting | |
| Machine product number | N911a | |
| Machine name/model | HP Officejet Pro 8600 e-All-in-One Printer | |
| FW Version | FW1123 | |
| Colour or B&W | Color | |
| Temperature and humidity | 24 degrees C, 47% | |
| Voltage | 240 volts AC | |
| Test End Date and Time | 08/09/11 | 12:00:00 AM |

| Modes and Settings | Item | Value |
|--------------------|-------------------------|--|
| Settings | Driver version | 06.62.00.975 |
| | Media / Quality Setting | Default / Default |
| | Simplex B&W settings | Print in grayscale |
| | Duplex B&W settings | Print in grayscale |
| Paper Path | Setting N set count | Application |
| | Collating function | On, For MS Excel 2003, enable collate in driver. |
| | Paper sending direction | Default |
| | Paper size setting | Default |
| Paper | Paper feeding | Standard cassette |
| | Paper oval | Standard exit tray |
| | Output orientation | Default (face up) |
| | Duplexing ADF Unit | No |
| | Duplexing Print Unit | Yes |
| | Paper Manufacture | HP |
| Paper | Weight | 20lb |
| | Size | 8.5 x 11" |
| | Paper type/name | HP Multipurpose Color Ink |

Summary Reports

| ISO/IEC 24734 | | FSOT (seconds) | ESAT (ipm) |
|---------------|--------------|----------------|------------|
| Color | Single Sided | 27 | 13 |
| | Two Sided | 44 | 6 |
| B&W | Single Sided | 23 | 18 |
| | Two Sided | 39 | 7 |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
 2) For Simplex B&W results, Print in grayscale
 3) For Duplex B&W results, Print in grayscale

| FDIS ISO/IEC 29183 | | FCOT (seconds) | sESAT (ipm) |
|--------------------|-----|----------------|-------------|
| Color | | 19 | 11 |
| | B&W | 16 | 12 |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
 2) Copy speed is limited to a maximum of 9 ppm for Belgium

Full Reports

| ISO/IEC 24734 | Office Category | FSOT (sec) | EFTP (ipm) | | | sESAT (ipm) | | |
|----------------|-----------------|----------------|------------|-------------------|------------------|-------------|-------|-------|
| | | | 1 Set | 1 Set+ 30 seconds | 1 Set+ 4 Minutes | | | |
| Color | Single Sided | PDF (# sets) | 29.85 | 8.04 | 10.14 | 11.05 | 11.71 | |
| | | Word (# sets) | 23.23 | 10.33 | 14.93 | 3 | 17.63 | |
| | | Excel (# sets) | 26.85 | 8.94 | 11.32 | 3 | 13.21 | |
| | Average | 27 | 9 | 12 | 11 | 13 | | |
| | Two Sided | PDF (# sets) | 47.52 | 5.05 | 5.44 | 2 | 5.91 | |
| | | Word (# sets) | 38.27 | 6.27 | 6.88 | 2 | 7.76 | |
| Excel (# sets) | | 44.72 | 5.36 | 5.80 | 2 | 6.23 | | |
| Average | 44 | 5 | 6 | 2 | 6 | | | |
| B&W | Single Sided | PDF (# sets) | 22.92 | 10.47 | 14.94 | 4 | 16.82 | 17.59 |
| | | Word (# sets) | 21.54 | 11.14 | 16.75 | 4 | 19 | 20.48 |
| | | Excel (# sets) | 22.15 | 10.83 | 15.09 | 4 | 17.50 | |
| | Average | 23 | 10 | 15 | 4 | 18 | | |
| | Two Sided | PDF (# sets) | 40.45 | 5.93 | 6.50 | 2 | 7.21 | |
| | | Word (# sets) | 36.66 | 6.54 | 7.51 | 2 | 8.20 | |
| Excel (# sets) | | 39.00 | 6.15 | 6.71 | 2 | 7.45 | | |
| Average | 39 | 6 | 6 | 2 | 7 | | | |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
 2) For Simplex B&W results, Print in grayscale
 3) For Duplex B&W results, Print in grayscale

| FDIS ISO/IEC 29183 | FCOT (sec) | sEFTP (ipm) | | | sESAT (ipm) | |
|--------------------|-------------------|-------------|---------------------|--------------------|-------------|-------|
| | | 1 Copy | 1 Copy + 30 seconds | 1 Copy + 4 Minutes | | |
| Color | Page 1 (# copies) | 17.84 | 3.36 | 8.20 | 9.38 | 10.75 |
| | Page 2 (# copies) | 17.33 | 3.46 | 10.29 | 7 | 13.57 |
| | Page 3 (# copies) | 17.15 | 3.49 | 9.80 | 9 | 13.25 |
| | Page 4 (# copies) | 18.42 | 3.25 | 6.75 | 8 | 8.63 |
| | Average | 19 | 3 | 8 | 9 | 11 |
| Black | Page 1 (# copies) | 15.27 | 3.92 | 9.97 | 11.95 | 12.74 |
| | Page 2 (# copies) | 14.17 | 4.23 | 12.38 | 8 | 15.72 |
| | Page 3 (# copies) | 15.02 | 3.99 | 10.41 | 10 | 13.55 |
| | Page 4 (# copies) | 16.69 | 3.59 | 7.29 | 8 | 9.10 |
| | Average | 16 | 3 | 10 | 11 | 12 |

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Test system parameters

| Item | Value |
|-------------------------|---|
| Computer | HP Workstation xw4200 |
| Processor | Intel® Pentium 4 Processor with Hyper-Threading, 3.40 GHz, 1 MB / 800 MHz FSB |
| System Chip Set | Intel® SX Express |
| System Board | Standard system devices, default system BIOS |
| System Memory | 2 x 512 MB RAM, MTI Brand-DDR2 533, CL4, ECC |
| Hard Drive subsystem | Mentor 6Y0MM080, 148GB |
| Video subsystem | ATI Technologies, Inc., FireGL V3100, 128MB |
| Optical Drive | Hewlett-Packard, DVD Writer 400C |
| IO subsystem | Microsoft Natural PS2 keyboard, PS2 compatible mouse |
| USB subsystem | USB 2.0 |
| Software | Microsoft Windows Professional XP SP2 |
| Printing Applications | Microsoft Office Word 2003 |
| | Microsoft Office Excel 2003 |
| | Adobe Reader 6.0 |
| Test Files and location | Office Category files, hard drive |