

ISO/IEC 24734 Printing Productivity Report: Office Category
 ISO/IEC 29183 Copying Productivity Report
 ISO/IEC 17629 First Page Out Time Report

Full Detailed Test Reports
 HP PageWide Enterprise Color Flow MFP 586z

| Printing device and test settings | |
|-----------------------------------|--|
| Test Start Date and Time | 02/04/16 10:16:39 AM |
| Test Location | Alaska, Valhalla |
| Machine product number | GVW41A |
| Machine name/model | HP PageWide Enterprise Color Flow MFP 586z |
| DW Version | 31M1CN1550DR |
| Colour or B&W | Color |
| Temperature and humidity | 73.2 ZRH |
| Volume | 110 |
| Test End Date and Time | 02/04/16 10:30:51 AM |

| Item | Value |
|-------------------------|--------------------|
| Driver version | Fusion 18 |
| Media Quality Setting | Plain/Normal |
| Simplex (B&W settings) | Black Ink Only |
| Duplex (B&W settings) | Black Ink Only |
| Setting to test count | Application |
| Collating function | Enabled |
| Paper sending direction | Default |
| Paper size setting | Default |
| Paper feeding | Standard cassette |
| Paper path | Standard exit tray |
| Output orientation | Face Down |
| Duplexing ADF Unit | Yes |
| Duplexing Print Unit | Yes |
| Paper Manufacturer | Hewlett Packard |
| Weight (gsm) | 80 |
| Size | A4 |
| Paper type/name | LHP Office |

| Summary Reports | | | |
|-----------------|----------------|------------|----|
| ISO/IEC 24734 | FCOT (seconds) | ESAT (ipm) | |
| Color | Single Sided | 13 | 50 |
| | Two Sided | 21 | 25 |
| B&W | Single Sided | 13 | 50 |
| | Two Sided | 21 | 25 |

Notes: 1) ipm = Images Per Minute and is equivalent to ppm of Pages Per Minute
 2) For Simplex B&W results, Black Ink Only
 3) For Duplex B&W results, Black Ink Only
 4) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

| FDIS ISO/IEC 29183 | | | |
|--------------------|----------------|-------------|--|
| Color | FCOT (seconds) | sESAT (ipm) | |
| Color | 9 | 50 | |
| B&W | 7 | 50 | |

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

| ISO/IEC 17629 | | |
|---------------|---------|-----------------------|
| Color | Simplex | FPOT From Ready (sec) |
| Color | Simplex | 7.1 |
| B&W | Simplex | 7.1 |

Notes: 1) For B&W results, Black Ink Only

Full Reports

| ISO/IEC 24734 | Office Category | FCOT (sec) | EFTP (ipm) | | | | sESAT (ipm) | |
|-----------------|-----------------|-----------------|--------------|-------------------|------------------|-------|-------------|-------|
| | | | 1 Set | 1 Set+ 30 seconds | 1 Set+ 4 Minutes | | | |
| | | | 1 Set | 1 Set+ 30 seconds | 1 Set+ 4 Minutes | | | |
| Color | Single Sided | PDF (1 set) | 12.00 | 21.00 | 42.00 | 48.00 | 50.10 | |
| | | Word (1 set) | 11.00 | 1 | 8 | 52 | 50.10 | |
| | | Excel (1 set) | 14.00 | | | | 50.20 | |
| | | Average (1 set) | 13 | | | | 50 | |
| | Two Sided | PDF (1 set) | 20.00 | 12.00 | 20.00 | | 25.50 | |
| | | Word (1 set) | 19.00 | 1 | 1 | | 25.60 | |
| Excel (1 set) | | 22.00 | | | | 25.60 | | |
| Average (1 set) | | 21 | | | | 25 | | |
| B&W | | Single Sided | PDF (1 set) | 12.00 | 22.00 | 42.00 | 48.00 | 50.10 |
| | | | Word (1 set) | 11.00 | 1 | 6 | 52 | 50.10 |
| | Excel (1 set) | | 14.00 | | | | 50.10 | |
| | | Average (1 set) | 13 | | | | 50 | |
| | Two Sided | PDF (1 set) | 19.00 | 12.00 | 21.00 | 5 | 25.50 | |
| | | Word (1 set) | 19.00 | 1 | 5 | | 25.50 | |
| Excel (1 set) | | 22.00 | | | | 25.70 | | |
| | Average (1 set) | 21 | | | | 25 | | |

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 2) For Simplex B&W results, Black Ink Only
 3) For Duplex B&W results, Black Ink Only
 4) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

| FDIS ISO/IEC 29183 | | | | | | |
|--------------------|--------------------|------------|-------------|---------------------|--------------------|-------------|
| Color | Page | FCOT (sec) | sEFTP (ipm) | | | sESAT (ipm) |
| | | | 1 Copy | 1 Copy + 30 seconds | 1 Copy + 4 Minutes | |
| Color | Page 1 (1 copies) | 8.70 | 7.00 | 39.00 | 48.00 | 50.10 |
| | Page 2 (1 copies) | 8.80 | 7.00 | 39.00 | 27 | 50.10 |
| | Page 3 (1 copies) | 8.70 | 7.00 | 39.00 | 27 | 50.10 |
| | Page 4 (1 copies) | 8.80 | 7.00 | 39.00 | 27 | 50.10 |
| | Average (1 copies) | 8 | 7 | 39 | 39 | 50 |
| Black | Page 1 (1 copies) | 6.70 | 9.00 | 42.00 | 48.00 | 50.10 |
| | Page 2 (1 copies) | 6.70 | 9.00 | 42.00 | 27 | 50.10 |
| | Page 3 (1 copies) | 6.70 | 9.00 | 42.00 | 27 | 50.20 |
| | Page 4 (1 copies) | 6.70 | 9.00 | 42.00 | 27 | 50.10 |
| | Average (1 copies) | 7 | 9 | 42 | 42 | 50 |

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

| ISO/IEC 17629 | | | | |
|---------------|------------|-----------------------|-----------------------|---------------------|
| Color Simplex | Item | FPOT from Ready (sec) | FPOT from Sleep (sec) | Recovery Time (sec) |
| | | | | |
| Word | 6.30 | | | |
| Excel | 7.10 | | | |
| Average | 7.20 | | | |
| Delay Time | 30 sec | 180 min | | |
| B&W Simplex | PDF | 6.50 | 14.00 | 7.50 |
| | Word | 6.10 | | |
| | Excel | 6.80 | | |
| | Average | 7.10 | | |
| | Delay Time | 30 sec | 180 min | |

Notes: 1) For B&W results, Black Ink Only
 2) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

Test system parameters

| Item | Value |
|-------------------------|--|
| Computer | HP Compaq Elite 8300 Small Form Factor PC |
| Processor | Intel Core i7-3770 Quad Core (3.40 GHz, 8 MB cache) |
| System Chip Set | Intel(R) Q77 Express Chipset |
| System Board | Standard system device, default system BIOS |
| System Memory | 4 GB (4 x 1 GB DDR3 1600 MHz) |
| Hard Drive subsystem | 1 TB Toshiba + 500 GB Seagate |
| Video subsystem | NVIDIA GeForce HD 6300 |
| Optical Drive | HP DVD A, DH16AC-SHR, ATA |
| I/O subsystem | Built-in |
| USB subsystem | USB 2.0/3.0 |
| Printer Connection | 0 |
| Operating System | Microsoft Windows 7 Professional 64-bit SP1 |
| Printing Applications | Microsoft Office Pro Plus Word 2010 32-bit SP1 Microsoft Office Pro Plus Excel 2010 32-bit SP1 Adobe Reader X 10.1.2 |
| Test Files and location | Office Category files, hard drive |