

Yield Reporting Form:

HP Color LaserJet Pro M253 and HP Color LaserJet Pro MFP M278 M279 cartridge models W2110A-W2113A

Declared ISO Yield

Toner cartridge yield:Average composite CMY cartridge yield **1250** standard pages¹Average K cartridge yield **1350** standard pages¹

Declared yield value in accordance with ISO/IEC 19798 based on continuous printing.

Calculated test values

| 90% lower confidence limit ¹ | |
|---|------------|
| HP 206A Cyan LaserJet Toner Cartridge (W2111A) | 1535 pages |
| HP 206A Magenta LaserJet Toner Cartridge (W2113A) | 1719 pages |
| HP 206A Yellow LaserJet Toner Cartridge (W2112A) | 1260 pages |
| Composite CMY | 1480 pages |
| HP 206A Black LaserJet Toner Cartridge (W2110A) | 1570 pages |

| | |
|---|---|
| Test date: beginning | 2019/12/20 |
| Test dates: ending | 2020/1/20 |
| Number of cartridges used in testing | 48 |
| Number of cartridges used in calculations | C=12, M=12, Y=12, K=12 (Total=48) |
| Type of cartridge | All-in-one |
| Shake procedure used? | Yes |
| Print mode | Continuous |
| MPACCO Mode | Off |
| Number of engines used in testing | 4 |
| Media | A4 Double-A |
| Paper size | A4 |
| Paper feed orientation | Short edge |
| Computer model | vSphere Client virtual machine |
| Operating system | Microsoft Windows 7 Enterprise with SP1 |
| Application software | HP Direct Print |
| Print driver version | 6.7.0.23989 |
| Connection type | network |
| Test page version | ISO-IEC 24712 |
| Power on/off every day | No |

Engine serial numbers:

Engine Firmware Version:

| | |
|------------|---------------|
| VNC4708833 | 20191211_0553 |
| VNC4912546 | 20191211_0553 |
| CN2KK5R6UJ | 20191211_0553 |
| CN2KK5R72J | 20191211_0553 |

Cartridge testing data

Test environmental limits:

| | Temperature | Humidity |
|---------------------|-------------|----------|
| | °C | %RH |
| Max running average | 23.6 | 49 |
| Min running average | 23.2 | 47 |
| Average | 23.2 | 48 |

| Cyan (W2111A) in HP Color LaserJet Pro M253/MFP | | | | Magenta (W2113A) in HP Color LaserJet Pro M253/MFP | | | |
|---|-----------|--------------|-----------------|--|-----------|--------------|-----------------|
| Average: | | 1,603 | | Average: | | 1,768 | |
| Standard Deviation: | | 129 | | Standard Deviation: | | 94 | |
| 90% LCB: | | 1,535 | | 90% LCB: | | 1,719 | |
| Cartridge# | Lot Code | Engine SerNo | Cartridge Yield | Cartridge# | Lot Code | Engine SerNo | Cartridge Yield |
| W2111A-1 | 9J23M2FaN | VNC4708833 | 1,605 | W2113A-1 | 9K02M2FaN | VNC4708833 | 1,700 |
| W2111A-2 | 9J26M2FaN | VNC4912546 | 1,635 | W2113A-2 | 9J24M2FaN | VNC4912546 | 1,650 |
| W2111A-3 | 9J23M2FaN | CN2KK5R6UJ | 1,500 | W2113A-3 | 9J24M2FaN | CN2KK5R6UJ | 1,775 |
| W2111A-4 | 9J23M2FaN | CN2KK5R72J | 1,720 | W2113A-4 | 9K02M2FaN | CN2KK5R72J | 1,850 |
| W2111A-5 | 9J26M2FaN | VNC4708833 | 1,720 | W2113A-5 | 9J29M3FaN | VNC4708833 | 1,730 |
| W2111A-6 | 9J24M2FaN | VNC4912546 | 1,475 | W2113A-6 | 9K02M2FaN | VNC4912546 | 1,725 |
| W2111A-7 | 9J26M2FaN | CN2KK5R6UJ | 1,730 | W2113A-7 | 9J29M3FaN | CN2KK5R6UJ | 1,905 |
| W2111A-8 | 9K04M2FaN | CN2KK5R72J | 1,425 | W2113A-8 | 9J24M2FaN | CN2KK5R72J | 1,860 |
| W2111A-9 | 9K04M2FaN | VNC4708833 | 1,550 | W2113A-9 | 9J24M2FaN | VNC4708833 | 1,685 |
| W2111A-10 | 9K04M2FaN | VNC4912546 | 1,475 | W2113A-10 | 9J29M3FaN | VNC4912546 | 1,630 |
| W2111A-11 | 9K04M2FaN | CN2KK5R6UJ | 1,550 | W2113A-11 | 9K02M2FaN | CN2KK5R6UJ | 1,825 |
| W2111A-12 | 9J26M2FaN | CN2KK5R72J | 1,845 | W2113A-12 | 9J29M3FaN | CN2KK5R72J | 1,875 |

| Yellow (W2112A) in HP Color LaserJet Pro M253/MFP | | | | Black (W2110A) in HP Color LaserJet Pro M253/MFP | | | |
|---|-----------|--------------|-----------------|--|-----------|--------------|-----------------|
| Average: | | 1,298 | | Average: | | 1,641 | |
| Standard Deviation: | | 73 | | Standard Deviation: | | 137 | |
| 90% LCB: | | 1,260 | | 90% LCB: | | 1,570 | |
| Cartridge# | Lot Code | Engine SerNo | Cartridge Yield | Cartridge# | Lot Code | Engine SerNo | Cartridge Yield |
| W2112A-1 | 9J28M3FaN | VNC4708833 | 1,325 | W2110A-1 | 9K07M3FaN | VNC4708833 | 1,570 |
| W2112A-2 | 9J31M2FaN | VNC4912546 | 1,275 | W2110A-2 | 9J26M2FaN | VNC4912546 | 1,795 |
| W2112A-3 | 9J31M2FaN | CN2KK5R6UJ | 1,315 | W2110A-3 | 9K07M3FaN | CN2KK5R6UJ | 1,450 |
| W2112A-4 | 9J20M2FaN | CN2KK5R72J | 1,340 | W2110A-4 | 9J23M1FaN | CN2KK5R72J | 1,600 |
| W2112A-5 | 9J20M2FaN | VNC4708833 | 1,260 | W2110A-5 | 9J26M2FaN | VNC4708833 | 1,730 |
| W2112A-6 | 9J28M3FaN | VNC4912546 | 1,255 | W2110A-6 | 9K07M3FaN | VNC4912546 | 1,760 |
| W2112A-7 | 9J20M2FaN | CN2KK5R6UJ | 1,300 | W2110A-7 | 9J26M2FaN | CN2KK5R6UJ | 1,710 |
| W2112A-8 | 9J28M3FaN | CN2KK5R72J | 1,425 | W2110A-8 | 9K07M3FaN | CN2KK5R72J | 1,425 |
| W2112A-9 | 9J31M2FaN | VNC4708833 | 1,275 | W2110A-9 | 9J23M1FaN | VNC4708833 | 1,575 |
| W2112A-10 | 9J20M2FaN | VNC4912546 | 1,125 | W2110A-10 | 9J23M1FaN | VNC4912546 | 1,525 |
| W2112A-11 | 9J28M3FaN | CN2KK5R6UJ | 1,310 | W2110A-11 | 9J23M1FaN | CN2KK5R6UJ | 1,700 |
| W2112A-12 | 9J31M2FaN | CN2KK5R72J | 1,370 | W2110A-12 | 9J26M2FaN | CN2KK5R72J | 1,850 |

¹ In an ISO report commonly two values are listed: declared ISO yield and calculated test values. Generally, the calculated test values are higher than the declared ISO yield. Actual cartridge yields vary considerably based on content of images printed and other factors. For more information, visit www.hp.com/go/learnaboutsupplies.