

Yield Reporting Form:

HP Color LaserJet Pro M452 and HP Color LaserJet MFP M477 with Introductory cartridge models CF411A-CF413A

Declared ISO Yield

Toner cartridge yield:

Average composite CMY cartridge yield 1200 standard pages¹

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

Calculated test values

90% lower confidence limit ¹	
Introductory HP 410A Cyan LaserJet Toner Cartridge (CF411A)	1145 pages
Introductory HP 410A Magenta LaserJet Toner Cartridge (CF413A)	1371 pages
Introductory HP 410A Yellow LaserJet Toner Cartridge (CF412A)	1121 pages
Composite CMY	1202 pages

Test date: beginning	10/6/2015
Test dates: ending	10/7/2015
Number of cartridges used in testing	33
Number of cartridges used in calculations	C=11, M=11, Y=11, K=0 (Total=33)
Type of cartridge	All-in-one
Shake procedure used?	No
Print mode	Continuous
MPACCO Mode	Off
Number of engines used in testing	4
Media	HP Multipurpose
Paper size	Letter
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	HP Direct Print
Connection type	network
Test page version	ISO-IEC 24712
Power on/off every day	No

Engine serial numbers:

Engine Firmware Version:

VNB3X00148	20150506
VNB3X00158	20150506
VN38H789MQ	20150625
VN38H789T5	20150625

Cartridge testing data

Test environmental limits:

	Temperature	Humidity
	°C	%RH
Max running average	22.9	53
Min running average	22.6	51
Average	22.7	52

Cyan (CF411A -Starter) in HP Color LaserJet Pro M452/MFP M477				Magenta (CF413A-Starter) in HP Color LaserJet Pro M452/MFP M477			
Average:		1,176		Average:		1,378	
Standard Deviation:		56		Standard Deviation:		14	
90% LCB:		1,145		90% LCB:		1,371	
Cartridge#	Lot Code	Engine SerNo	Cartridge Yield	Cartridge#	Lot Code	Engine SerNo	Cartridge Yield
CF411Ai-01	5F26M3Ba	VNB3X00148	1,190	CF413Ai-01	5F27M1Ba	VNB3X00148	1,355
CF411Ai-02	5F26M3Ba	VNB3X00158	1,215	CF413Ai-02	5F27M1Ba	VNB3X00158	1,375
CF411Ai-03	5F26M3Ba	VN38H789MQ	1,210	CF413Ai-03	5F27M1Ba	VN38H789MQ	1,390
CF411Ai-04	5F26M3Ba	VN38H789T5	1,130	CF413Ai-04	5F27M1Ba	VN38H789T5	1,395
CF411Ai-05	5H18M1Ba	VNB3X00148	1,170	CF413Ai-05	5H20M2Ba	VNB3X00148	1,365
CF411Ai-06	5H18M1Ba	VNB3X00158	1,180	CF413Ai-06	5H20M2Ba	VNB3X00158	1,365
CF411Ai-07	5H18M1Ba	VN38H789MQ	1,205	CF413Ai-07	5H20M2Ba	VN38H789MQ	1,390
CF411Ai-08	5H18M1Ba	VN38H789T5	1,210	CF413Ai-08	5H20M2Ba	VN38H789T5	1,390
CF411Ai-09	5I09M2Ba	VNB3X00148		CF413Ai-09	5I13M2Ba	VNB3X00148	
CF411Ai-10	5I09M2Ba	VNB3X00158	1,210	CF413Ai-10	5I13M2Ba	VNB3X00158	1,365
CF411Ai-11	5I09M2Ba	VN38H789MQ	1,190	CF413Ai-11	5I13M2Ba	VN38H789MQ	1,380
CF411Ai-12	5I09M2Ba	VN38H789T5	1,025	CF413Ai-12	5I13M2Ba	VN38H789T5	1,390

Yellow (CF412A-starter) in HP Color LaserJet Pro M452/MFP M477			
Average:		1,149	
Standard Deviation:		51	
90% LCB:		1,121	
Cartridge#	Lot Code	Engine SerNo	Cartridge Yield
CF412Ai-01	5F04M1Ba	VNB3X00148	1,180
CF412Ai-02	5F04M1Ba	VNB3X00158	1,190
CF412Ai-03	5F04M1Ba	VN38H789MQ	1,135
CF412Ai-04	5F04M1Ba	VN38H789T5	1,135
CF412Ai-05	5H24M2Ba	VNB3X00148	1,170
CF412Ai-06	5H24M2Ba	VNB3X00158	1,170
CF412Ai-07	5H24M2Ba	VN38H789MQ	1,215
CF412Ai-08	5H24M2Ba	VN38H789T5	1,125
CF412Ai-09	5I12M2Ba	VNB3X00148	
CF412Ai-10	5I12M2Ba	VNB3X00158	1,165
CF412Ai-11	5I12M2Ba	VN38H789MQ	1,020
CF412Ai-12	5I12M2Ba	VN38H789T5	1,130

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/learnaboutsplies.