

Yield Reporting Form:

HP Color LaserJet Enterprise M651 cartridge models CF320A, CF331A, CF332A, CF333A

Declared ISO Yield

Toner cartridge yield:Average composite CMY cartridge yield 15,000 standard pages¹Average K cartridge yield 11,500 standard pages¹*Declared yield value in accordance with ISO/IEC 19798 based on continuous printing.*Calculated test values

90% lower confidence limit ¹	
Cyan (CF331A) Cartridge	13195 pages
Magenta (CF333A) Cartridge	14956 pages
Yellow (CF332A) Cartridge	17569 pages
Composite CMY	15033 pages
Black (CF320A) Cartridge	11535 pages

Test date: beginning	6/5/2014
Test dates: ending	6/11/2014
Number of cartridges used in testing	36
Number of cartridges used in calculations	C=9, M=9, Y=9, K=9 (Total=36)
Type of cartridge	All-in-one
Shake procedure used?	No
Print mode	Continuous
MPACCO Mode	Off
Number of engines used in testing	3
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	Batch File running hpnpf.exe
Print driver version	None: Internal PDF interpreter
Connection type	network
Test page version	ISO-IEC 24712
Power on/off every day	No

Engine serial numbers:

Engine Firmware Version:

JPBCG430TT	2302908_435009
JPBCG430V4	2302908_435009
JPBCG430T4	2302908_435009

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 (CF331A) in HP CLJ Enterprise M651				Magenta (CF333A) in HP CLJ Enterprise M651			
Average:		13,198		Average:		14,961	
Standard Deviation:		5		Standard Deviation:		7	
90% LCB:		13,195		90% LCB:		14,956	
Cartridge#	Lot Code	Engine SerNo	Cartridge Yield	Cartridge#	Lot Code	Engine SerNo	Cartridge Yield
CF331A-10	3L17H1Ba	JPBCG430TT	13,205	CF333A-10	3L13H1Ba	JPBCG430TT	14,965
CF331A-11	3L17H1Ba	JPBCG430V4	13,200	CF333A-11	3L13H1Ba	JPBCG430V4	14,965
CF331A-12	3L17H1Ba	JPBCG430T4	13,205	CF333A-12	3L13H1Ba	JPBCG430T4	14,965
CF331A-13	4A08H1Ba	JPBCG430TT	13,200	CF333A-13	4A09H1Ba	JPBCG430TT	14,955
CF331A-14	4A08H1Ba	JPBCG430V4	13,200	CF333A-14	4A09H1Ba	JPBCG430V4	14,955
CF331A-15	4A08H1Ba	JPBCG430T4	13,195	CF333A-15	4A09H1Ba	JPBCG430T4	14,955
CF331A-16	4A16H1Ba	JPBCG430TT	13,195	CF333A-16	4A08H2Ba	JPBCG430TT	14,955
CF331A-17	4A16H1Ba	JPBCG430V4	13,190	CF333A-17	4A08H2Ba	JPBCG430V4	14,955
CF331A-28	4A16H1Ba	JPBCG430T4	13,195	CF333A-28	4A08H2Ba	JPBCG430T4	14,975

Yellow (CF332A) in HP CLJ Enterprise M651				Black (CF320A) in HP CLJ Enterprise M651			
Average:		17,574		Average:		11,538	
Standard Deviation:		8		Standard Deviation:		5	
90% LCB:		17,569		90% LCB:		11,535	
Cartridge#	Lot Code	Engine SerNo	Cartridge Yield	Cartridge#	Lot Code	Engine SerNo	Cartridge Yield
CF332A-10	4A14H1Ba	JPBCG430TT	17,575	CF320A-10	3C12H1Ba	JPBCG430TT	11,545
CF332A-11	4A14H1Ba	JPBCG430V4	17,585	CF320A-11	3C12H1Ba	JPBCG430V4	11,545
CF332A-12	4A14H1Ba	JPBCG430T4	17,585	CF320A-12	3C12H1Ba	JPBCG430T4	11,545
CF332A-13	4A08H2Ba	JPBCG430TT	17,570	CF320A-13	4A08H1Ba	JPBCG430TT	11,535
CF332A-14	4A08H2Ba	JPBCG430V4	17,565	CF320A-14	4A08H1Ba	JPBCG430V4	11,535
CF332A-15	4A08H2Ba	JPBCG430T4	17,575	CF320A-15	4A08H1Ba	JPBCG430T4	11,535
CF332A-16	3L10H1Ba	JPBCG430TT	17,575	CF320A-16	4A16H1Ba	JPBCG430TT	11,535
CF332A-17	3L10H1Ba	JPBCG430V4	17,560	CF320A-17	4A16H1Ba	JPBCG430V4	11,535
CF332A-28	3L10H1Ba	JPBCG430T4	17,580	CF320A-28	4A16H1Ba	JPBCG430T4	11,535

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.