

# HP Color LaserJet 4700 vs. top 8 competitors



## Devices competing with HP Color LaserJet 4700 printers have serious shortcomings.

Competitor	Major weakness(es)	Specifics
<b>Top 8 competitors</b> in general	With competitors, users get printers that are more difficult to use, and there's more IT work (and expense) required to keep multiple printers going.	<ul style="list-style-type: none"> <li>HP's ImageRet 3600 technology delivers best in class PQ in default mode.</li> <li>At 16.5 seconds, HP offers the fastest FPO from Powersave in the category.</li> <li>HP's single, front access point and advanced control panel simplify user operation.</li> <li>HP's integrated toner cartridge design and long-life consumables reduce number of consumables to manage and greatly reduce the number of parts which require IT for replacement.</li> <li>HP's optional output finisher provides stapling, stacking and offset capabilities.</li> </ul>
<b>Lexmark</b> C772	Manual calibration, 6 paper path access points, long warm-up from Powersave.	<ul style="list-style-type: none"> <li>Color plane registration (alignment of the 4 colors) is a manual process on the Lexmark C772.</li> <li>The Lexmark C772 has 6 access points for jam clearing beyond input trays compared to HP's one</li> <li>Lexmark C772 slows to approx 15 ppm in best PQ mode, and has a FPO from Powersave of 72 sec!</li> <li>The Lexmark C772 requires the most deskpace of any printer in the category.</li> </ul>
<b>Xerox</b> Phaser 6350DP	Poor text quality and lots of replacement parts.	<ul style="list-style-type: none"> <li>Xerox users must replace 9 parts beyond toner in the first 140K pages vs. 1 for HP</li> <li>Multiple transfer steps lead to blurry text and poor registration on Xerox Phaser 6350 output</li> <li>Xerox prints a suite of 21 files / 183 pgs in 19.2 minutes vs. 10.1 minutes for HP (both in Best PQ mode)</li> <li>FPO from Powersave is 33 sec. vs. 16.5 sec for the HP Color LaserJet 4700</li> </ul>
<b>Minolta</b> 5450	Very unusual and large toner cartridge design will require lots of supplies storage space.	<ul style="list-style-type: none"> <li>The Minolta toner cartridge design is very large and awkward.</li> <li>The Minolta unit ships with only 3000 pages of toner included.</li> <li>The Minolta waste toner kit must be replaced every 10,000 color pages.</li> <li>FPO from Powersave is 40 sec. vs. only 16.5 sec for the HP Color LaserJet 4700</li> </ul>
<b>Ricoh</b> C-411DN	Slow performance in best PQ mode, multiple parts and access points.	<ul style="list-style-type: none"> <li>In HP testing, the Ricoh CL411DN had poor PQ. 1 of 4 units arrived DOA.</li> <li>The Ricoh unit ships with only 3000 pages of toner included.</li> <li>The Ricoh CL-411DN prints a suite of 21 files / 183 pgs in 18.7 minutes vs. 10.1 minutes for HP (both printers were tested in Best PQ mode and the Ricoh 411DN failed to print one of the files)</li> </ul>
<b>Epson</b> C4200DN	No comparable solution to mange multiple printers.	<ul style="list-style-type: none"> <li>Epson does not offer a solution comparable to WebJetAdmin to manage multiple printers</li> <li>Beyond toner cartridges, Epson C4200 users must replace 5 consumables in the first 100K pages</li> <li>Multiple transfer steps lead to blurry text and edges on Epson C4200 output</li> <li>FPO from Powersave is 32 sec.(expected) vs. only 16.5 sec for the HP Color LaserJet 4700</li> </ul>
<b>Dell</b> 5110cn	More parts than HP, very slow in best PQ mode, long FPO from powersave.	<ul style="list-style-type: none"> <li>9 replacement parts (beyond toner) in first 140,000 pages compared to one for HP</li> <li>Slows to less than ½ color speed in best PQ mode, and FPO from Powersave of 50 sec vs. 16.5 for HP</li> <li>Dell's first generation printer management solution announced vs industry leading WebJet Admin</li> </ul>
<b>Okidata</b> OKI 7550	LED cleaning and PQ problems. Lots of parts to replace.	<ul style="list-style-type: none"> <li>Serious print-quality issues – worst-in-class color mapping, streaking and misregistration.</li> <li>Lots of parts to replace and wasted toner - When you discard a used OKI imaging drum you may throw out thousands of pages worth of toner with each drum.</li> <li>Complex user interaction – 10 consumables vs. only 6 for HP, lens cleaning, tough jam clearing</li> </ul>
<b>Kyocera</b> FS-C5030	Frequent LED and corona charge system cleaning and PQ problems	<ul style="list-style-type: none"> <li>Kyocera output has noticeable registration problems and streaks in solid fill areas</li> <li>FPO from Powersave is 65 sec. vs. only 16.5 sec for the HP Color LaserJet 4700</li> <li>Kyocera users must clean LED lenses, corona wires and charger grids periodically to maintain PQ</li> <li>The Kyocera unit ships with only 4000 pages of toner included.</li> </ul>

	HP	Lexmark	Xerox	Minolta	Ricoh	Epson	Dell	OKI	Kyocera
<b>Specifications</b>	Color LaserJet 4700N	C772N	Phaser 6350DP	5450	C411DN	C4200DN	5110cn	C7550N	FS-C5030N
<b>Engine</b>	Canon	Lexmark	Fuji-Xerox	Minolta	Ricoh	Fuji-Xerox	Fuji-Xerox	Okidata	Kyocera
<b>Technology</b>	Laser	Laser	Laser	Laser	Laser	Laser	Laser	LED	LED
<b>Print speed – color (letter/A4)</b>	31 ppm / 30 ppm	25 ppm / 24 ppm	36 ppm / 35 ppm	27 ppm / 25 ppm	31 ppm / 30 ppm	NA /25 ppm	35 ppm / 35 ppm	26 ppm / 24 ppm	26 ppm / 24 ppm
<b>Print speed – black (letter/A4)</b>	31 ppm / 30 ppm	25 ppm / 24 ppm	36 ppm / 35 ppm	27 ppm / 25 ppm	31 ppm / 30 ppm	NA/ 35 ppm	40 ppm / 40 ppm	26 ppm / 24 ppm	26 ppm / 24 ppm
<b>Resolution – best print quality</b>	ImageREt 3600	1,200 x 1,200 10 ppm (expected)	2400 dpi x 600	9600 x 600	1200 x 1200	4800 RIT	600 x 600 @ + -1/2 speed	1200 x 1200 dpi	600 x 600 multi-bit
<b>Monthly duty cycle</b>	100,000 pages	120,000 pages	120,000 pages	60,000 pages	150,000 pages	90,000 pages	95,000 pages	100,000 pages	60,000 pages
<b>Memory – standard</b>	160 MB	256 MB	256 MB	256 MB	256 MB	128 MB	128 MB	192 MB	128 MB
<b>Memory – maximum</b>	544 MB	768 MB	1 GB	1 GB	512 MB	640 MB	1152 MB	1024 MB	1024 MB
<b>Processor</b>	533 MHz	800 MHz	800 MHz	667 MHz	600 MHz	600 MHz	400 MHz	500 MHz	600 MHz
<b>Automatic duplexing</b>	Duplex in D bundles	Optional + D bundles	Duplex standard	Optional external unit	Standard	Internal duplex standard	Standard	Optional	Optional
<b>Connectivity</b>	Parallel, USB, 10/100 in N	USB, 10/100 Standard	10/100 standard	Standard 10/100	USB, Standard 10/100	Parallel, USB, 10/100	USB, Standard 10/100	Parallel, USB, 10/100Base-T	Parallel, USB, 10/100Base-T
<b>Warranty</b>	1 year on site	1 year on site	1 year on site	1 year on site	1 year on site	1 year on site	1 year on site	1 year on site	1 year on site
<b>U.S. street price</b>	\$1,999 (N)	\$1,499	\$1,799	\$999	\$1,399	Not applicable	\$999	\$1,332	\$1,988
<b>EMEA street price</b>	€1.754	€1.258	€1.428	€1.378	€1.599	€1.126	€849		€1.554
<b>U.S. cost per page – color</b>	9.6¢	9.4¢ hi-cap.* 16.1 std	9.6¢ hi cap. / 13.8¢ std.	10.37¢ hi cap/ 12.6 ¢ std	6.1¢ hi cap. / 8.5¢ std.	Not applicable	6.7¢ hi cap/ 7.4¢ std	9.5 ¢	6.8 ¢
<b>U.S. cost per page – black</b>	2.0¢	1.8¢ hi-cap.* 3.1 std	2.1¢ hi-cap. / 2.6¢ std.	1.6 ¢ hi cap/ 2.4¢ std	1.3¢ hi-cap. / 1.7¢ std.	Not applicable	.99¢ hi cap/ 1.04¢ std	2.4 ¢	1.5 ¢
<b>Euro cost per page – color</b>	.0107	TBD	0.095 hi-cap.		0.078 hi-cap.	0.093	0.057 hi cap		€0.059
<b>Euro cost per page – black</b>	.021	TBD	0.021 hi-cap		0.017 hi-cap	0.018	0.008 hi cap		€0.013
<b>Number of consumables</b>	6	7	7	8	9	7	7	8	4 + kit
<b>Consumables yield – color (in pages)</b>	10,000	6,000/10,000 15,000 hi-cap.	4,000 std. / 10,000 hi-cap.	6,000 std / 12,000 hi-cap	5000/15000	8,500	8,000/12,000	10,000	8,000
<b>Consumables yield – black (in pages)</b>	11000	6,000/10,000 15,000 hi-cap.	4,000 std. / 10,000 hi-cap.	6,000 std / 12,000 hi-cap	5000/15000	10,000	10,000/ 18,000	10,000	8,000
<b>Toner in the box</b>	10,000 CMY 11,000 K	10,000 CMY 10,000 K	4,000 CMY 4,000 K	3,000 CMY 3,000 K	3,000 CMY 3,000 K	8,500 CMY 10,000 K	8,000 CMY 10,000 K	5,000 CMY 5,000 K	4000 CMY 4,000K
<b>Imaging unit yield</b>	N/A	N/A	35,000	N/A	50K color, 50K black	35,000	35,000	30,000	200,000
<b>Transfer kit</b>	120,000	120,000	35,000	2 kits @ 120,000	100,000	35,000	35,000	60,000	200,000
<b>Fuser yield</b>	150,000	200,000	100,000	100,000	100,000	100,000	100,000	60,000	200,000
<b>Toner waste</b>	Not applicable	50,000	Not applicable	10,000 color	50,000	Not applicable	None	Not applicable	N/A
<b>Parts in 360K pages (beyond toner)</b>	5	11	23	9 + 36 toner waste = 45	20 + 7 toner waste = 27	23	23	60	1 kit @ 200K
<b>FPO from Powersave</b>	16.5	72	33	40	32	32 (expected)	50	78	65
<b>Output finishing</b>	Staple, stack, offset	Staple, hole punch, mailbox	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

\* Prebate pricing.