HP LaserJet P3005n vs. top 9 competitors

Devices competing with LaserJet P3005n printers have serious shortcomings.

Competitor	Major strengths/weakness(es)	Specifics
Top HP Advantages in general	**Worry-free printing**	• HP Instant-on fuser eliminates delays from Powersave, printing in 10 seconds. • Integrated toner cartridge simplifies toner replacement and ensures consistent PQ. • 500 sheet heavy-duty input tray reduces interventions to add paper
Brother HL-7050N	**2-piece toner, only 30/28 ppm**	• The Brother printer uses a 2 piece toner system and a corona wire • The Brother has an engine speed of only 30 / 28 A4 ppm • The Brother takes 25 sec to warmup and print from powersave, vs. 10 for HP
Dell 5210n	**Slow warm-up from Powersave**	• The Dell printer takes 43 sec to warmup and print from Powersave vs 10 for HP • The Dell toner cartridge does not include a charge roller – it's in the printer • Dell paper trays may be difficult to load and adjust for varying media sizes
Kyocera FS-3900N	**Cleaning requirements**	• The Kyocera printer requires lots of cleaning and replacement of a toner waste kit • The Kyocera FS-3900 DN can't print true 1200 x 1200 dpi • The Kyocera takes 25 seconds to warm-up and print from Powersave vs 10 for HP
Lexmark T640n	**250 sheet input tray, slow warmup**	• The Lexmark standard input tray capacity is only 250 sheets vs. 500 for HP • The Lexmark takes 43 seconds to warm-up and print from Powersave vs 10 for HP • The Lexmark toner cartridge does not include a charge roller – it's in the printer
Lexmark E450dn	**250 + 1 sheet input, plus low duty cycle**	• The Lexmark standard input tray capacity is only 250 sheets vs. 500 for HP • The Lexmark E450dn has a duty cycle of only 45,000 pages vs 100K for HP • HP features an integrated toner cartridge vs. a 2-piece system for Lexmark
OKI B6300	**Older Fuji-Xerox engine**	• The OKI printer is larger – 13% deeper and 32% taller • The OKI printer takes 21 seconds to warm-up and print from Powersave • The OKI has a slower processor (350 MHz) than HP's 400 MHz
Ricoh AP410n	**Only 28/27 ppm**	• The Ricoh engine speed is only 28/27 A4 ppm • With the Ricoh AP410, a maintenance kit is required at 90K pages • Ricoh doesn't use an instant-on fuser, so warm-up from Powersave will be longer
Samsung ML-3561N	**Not a true 1200 dpi printer**	• The Samsung ML-3561N is not a true 1200 x 1200 dpi printer • The Samsung takes 35 seconds to warm-up and print from Powersave • The Samsung printer comes standard with only 32 MB of standard memory
Xerox 3500N	**Not a true 1200 dpi printer**	• The Xerox 3500N is not a true 1200 x 1200 dpi printer • The Xerox takes 35 seconds to warm-up and print from Powersave • The Xerox printer comes standard with only 32 MB of standard memory

Specifications	HP LaserJet P3005n	Brother HL-7050N	Dell 5210n	Kyocera FS-3900N	Lexmark T640n	Lexmark E450dn	OKI B6300N	Ricoh AP410n	Samsung ML–3561N	Xerox 3500N
Engine	Canon laser	Brother laser	Lexmark laser	Kyocera laser	Lexmark laser	Lexmark laser	OKI	Ricoh laser	Samsung laser	Samsung laser
Print speed – (letter, A4)	35 33	30 28	40 38	37 35	35 33	35 33	35 34	28 27	35 33	35 32
Resolution – best PQ	ProRes 1200	1200 x 1200	1200 x 1200	2400 w/KIR	1200 x 1200	1200 x 1200	1200 x 1200	1200 x 1200	1200 effective	1200 IQ
Monthly duty cycle	100,000	150,000	200,000	200,000	200,000 one time	45,000	150,000	150,000	150,000	100,000
Memory – standard (MB)	64	32	64	64	64	64	128	128	32	32
Processor (MHz)	400	266	400	400	400	400	350	372	400	400
Paper input	500 + 100	500 + 100	500 + 100	500 + 100	250 + 100	250 + 1	550 + 150	500 + 100	500 + 100	500 + 100
Auto Duplex	Standard in DN	Accessory	Accessory	Standard	Accessory	Standard	Accessory	Accessory	Accessory	Accessory
Connectivity	USB 2.0, 10/100; parallel in base model	USB 1.1, parallel, 10/100	USB 2.0, parallel, 10/100	USB 2.0, parallel, 10/100	USB, parallel, 10/100	USB, parallel, 10/100	USB, parallel, 10/100	USB, parallel, 10/100	USB, parallel, 10/100	USB 2.0, parallel, 10/100
PDLs	PCL 5,6 PS3 em	PCL 6 em BRScript3	PCL 6 em PS3 em	PCL 6 em KPDL 3	PCL 6 em PS3 em	PCL 6 em PS3 em	PCL 6 em PS3 em	PCL 6 em PS3	PCL 6 em PS3 em	PCL 6 em PS3
Warranty	1 year return	1 yr ltd exchange	1 year on-site	1 year	1 year exchange	1 year return	1 year ltd on-site	1 year ltd on-site	1 year	1 year depot
U.S. street price	$749	$799	$849	~$1200	$749	$599	$799	$561	$349-849	$749
EMEA street price (ex VAT)	~ € 699	€ 732	€ 699	€ 730	€ 702	€579	€ 659	€ 720	€ 617	€ 639
U.S. cost per page – black	1.9 – 1.6	0.9	1.7 – 1.3	0.6	2.3 – 1.6	?? - 1.7	1.6 – 1.1	1.1	1.9 – 1.2	2.3 – 1.7
Euro cost per page – black	~1.8 – 1.5	0.8	1.7 – 1.3	0.6	1.5 – 1.2	?? - 1.5	1.3 – 0.9	1.8	1.4 – 1.1	2.0 – 1.5
Consumables yield – (in pgs)	6,500 or 13,000	12,000	10,000 or 20,000	15,000	6,000 or 21,000	6,000 or 11,000	10,000 or 17,000	15,000	6,000 or 12,000	6,000 or 12,000
Toner in the box	6,500	12,000	10,000	7,500	6,000	6,000	6,000	15000	6,000	6,000
Imaging unit yield	N/A	40,000	N/A	300,000	N/A	30,000	N/A	N/A	N/A	N/A
FPO from Powersave	10 sec	25 sec	43 sec	25 sec	43 sec	??	21 sec	??	35 sec	35 sec

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