



hp no. 12 smart printheads and ink cartridges

The HP No.12 Printheads and Ink Cartridges family has been specifically developed for use with the new HP Business Inkjet 3000 printer, a fast, cost effective and fully networkable model for small businesses or workgroups of 5-10 people.

Consisting of the HP No.12 Black, Cyan, Magenta and Yellow Printheads and HP No.12 Cyan, Magenta and Yellow Ink Cartridges – together with the existing HP No.10 Black Ink Cartridge – this is a high yield, high performance ink delivery system that also offers the benefits of 'smart' printing.

superb quality, high speed printing

This system will print at speeds of 14 ppm black and 8 ppm colour, making it the fastest HP inkjet printing system. Quality is outstanding, with ultra-small drop sizes of 6 pl for colour and 18 pl for black resulting in extra sharp black text and extremely fine colour print.

extremely competitive cost-per-page

Colour cartridges hold 55 ml of dye-based ink, producing an average of 3,300 pages at 5% density, while the black ink cartridge contains 69 ml of pigmented ink and averages 1,750 pages at 5% print density. Longlife printheads are specified to last for 105,000 pages colour/45,000 pages black (on average three years).

smart printing for fit-and-forget performance

Each cartridge and printhead has its own smart technology which monitors print performance, fine tunes the printhead for optimum print quality, and warns when ink is low or the printhead needs replacing.

features	benefits
• hp photoret III	• enhanced colour layering technology produces a wider gamut of colour
• fast colour printing at 8 ppm	• hp's fastest inkjet colour printer – laser equivalent speeds – means no waiting for full colour prints
• high capacity ink cartridges – 55 ml colour/69 ml black	• high yield means more time printing and less time changing supplies
• 1200 dpi black/ 1200 x 2400 dpi colour	• consistently outstanding print quality for accurate images and crisp, sharp text
• ultra small ink drops	• 6 pl colour ink drops for smooth, sharp image quality (18 pl black ink drops for laser-quality text on plain paper)
• long-lasting printheads	• printheads specified to last an average of three years (105,000 pages colour/45,000 pages black) for minimum user intervention
• cost effective modular system	• separate printheads and ink cartridges mean supplies can be replaced as needed
• smart printing features	• auto monitoring of ink usage and printhead performance; user alerted when cartridge or printhead needs replacing for maximum uptime



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frequently asked questions

who will use the new hp no.12 ink cartridges and printheads?

This 'smart' family has been specifically designed for the new HP Business Inkjet 3000. This is HP's fastest colour inkjet printer, a cost effective model offering laser-like black text, photo-quality colour and print speeds of up to 8 ppm for colour and 14 ppm for black.

who are likely users of the hp business inkjet 3000?

This new inkjet printer offers seamless networking and connectivity and has been designed from the bottom up around the needs of users and network managers alike. It is therefore ideal for small businesses or workgroups of 5-10 people and is likely to be used to complement the performance of an existing HP LaserJet mono printer.

what are the key benefits of the hp no.12 family?

In short, speed, yield, quality and cost. Colour printing speeds are equivalent to laser printers; long-life printheads and high capacity ink cartridges ensure minimum user intervention; and ultra-small ink drops deliver outstanding print quality. All these factors combine to produce a printing system that's both cost effective and extremely reliable.

how does the smart technology improve performance?

These allow communication between the ink cartridges, printheads and HP printer to monitor ink levels, printhead life and print quality. Users can access the ink-level indicator screen on their computer to check ink-fill levels at any time and the system provides an alert when an ink cartridge is nearing empty. Similarly, when a printhead is nearly worn, the user is alerted to have a replacement ready to install.

why have separate printheads and ink cartridges?

More than ten years' manufacturing experience enables us to produce long-life printheads that ensure HP quality and reliability for the whole of their life. As the ink is separate from the printhead, replacing a cartridge doesn't mean having to replace a printhead, and this means lower printing costs.

hp printhead and ink cartridge product specifications

	hp no.10 black ink cartridge	hp no.12 cyan ink cartridge	hp no.12 magenta ink cartridge	hp no.12 yellow ink cartridge
p/n	c4844aa	c4804a	c4805a	c4806a
hp selection no.	10	12	12	12
ink volume	69 ml	55 ml	55 ml	55 ml
yield (average)	1,750 (at 5% density)	3,300 (at 5% density)	3,300 (at 5% density)	3,300 (at 5% density)
dimensions (l x w x d)	140 x 125 x 38 mm	140 x 124 x 38 mm	140 x 124 x 38 mm	140 x 124 x 38 mm
wt.	160 g	112.3 g	112.3 g	112.3 g

	hp no.12 black printhead	hp no.12 cyan printhead	hp no.12 magenta printhead	hp no.12 yellow printhead
p/n	c5023a	c5024a	c5025a	c5026a
hp selection no.	12	12	12	12
ink volume	14 ml	14 ml	14 ml	14 ml
lifespan (ave.)	45,000 pages	105,000 pages	105,000 pages	105,000 pages
dimensions (l x w x d)	141 x 111 x 21 mm	141 x 111 x 21 mm	141 x 111 x 21 mm	141 x 111 x 21 mm
wt.	49.4 g	49.4 g	49.4 g	49.4 g