

Wirth Consulting

B2B Digital Imaging Product Evaluation

Friday, September 04, 2009 12:20:01 PM

WYSK

"What You Should Know"

Make	Canon	Model	imageCLASS MF8450c
Functions	Print/Copy/Scan/Fax	Imaging Technology	Laser
Classification	Color MFPs From \$750 To \$1,000		

Well Worth Consideration!

The imageCLASS MF8450c provides color network print, copy and network scan, as well as walk-up fax. At Canon's rated print speed of up to 17 ppm in both B/W and color, maximum monthly duty cycle of up to 50,000 pages, and maximum paper capacity of up to 850 pages, it's suitable for small- to mid-size workloads, and is compatible with Canon's imageWare network management. They system incorporates a 3.5" color display, combined with a scroll wheel, for making selections.



Specifications

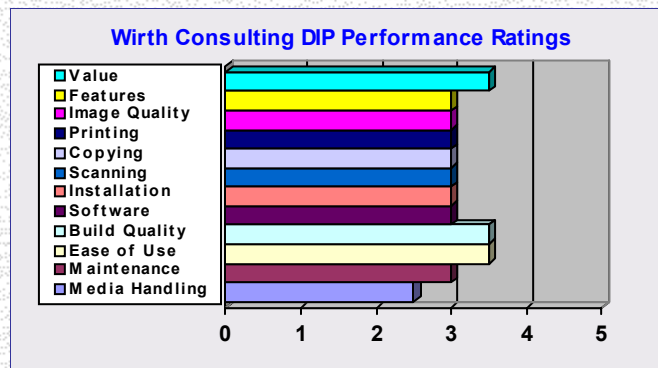
Monthly Duty Cycle	50,000	Max Media Width (inches)	8.5	215.90	mm	Price	\$950.00	€680.58
BW/Color Print Speed (PPM)	17/17	Max Media Length (inches)	14.0	355.60	mm	Duplex		
Max. Print Resolution (DPI)	600x600	Max Media Wt. (bond, lbs.)	47.0	158.63	gsm	Print		
Standard Memory (MB)		Height (inches)	25.00	635.00	mm	Network		
Std Media Capacity (sheets)	350	Width (inches)	22.00	558.80	mm	Scan		
Max Media Capacity (sheets)	850	Depth (inches)	21.00	533.40	mm	Doc Feeder		
Power Consumption (watts)	1350	Weight (pounds)	85.00	38.56	kg	Full System	\$950.00	€680.58

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input checked="" type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input checked="" type="checkbox"/>	Duplex Document Feeder <input checked="" type="checkbox"/>
Scanner <input checked="" type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input checked="" type="checkbox"/>	Ease of Use
Walk-Up Fax <input checked="" type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	Software	Graphic Display <input checked="" type="checkbox"/>
LAN Fax <input type="checkbox"/>	Apple Mac <input checked="" type="checkbox"/>	Desktop Software <input checked="" type="checkbox"/>	Touch Screen <input type="checkbox"/>
Image Quality	Linux <input type="checkbox"/>	Web Utilities <input checked="" type="checkbox"/>	Navigation Keys <input checked="" type="checkbox"/>
BW Office IQ <input checked="" type="checkbox"/>	GDI Printing <input checked="" type="checkbox"/>	Media Handling	Maintenance
Color Office IQ <input checked="" type="checkbox"/>	PCL <input checked="" type="checkbox"/>	Feeds Index Stock <input type="checkbox"/>	All-in-One Toner Cartridge <input checked="" type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input type="checkbox"/>	Max Weight from all Sources <input type="checkbox"/>	Finishing
Photographic IQ <input type="checkbox"/>	Adobe PostScript <input type="checkbox"/>	Holds Full Ream of Media <input checked="" type="checkbox"/>	Finishing <input type="checkbox"/>

Wirth Consulting Ratings* *On a scale of 0-5, with 5 being the best

Value	3.5
Features	3.0
Image Quality	3.0
Printing	3.0
Copying	3.0
Scanning	3.0



3.0	Installation
3.0	Software
3.5	Build Quality
3.5	Ease of Use
3.0	Maintenance
2.5	Media Handling

Ratings Scoreboard* *Highest possible scores: Overall, 60; Copier, 45; Printer, 50; Scanner, 40; Usability, 25

Overall Score	37.0	Copier Score	28.0	Printer Score	31.0	Scanner Score	25.5	Usability Score	16.0
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Consumables Pricing and Yields* *All supply yields are based on an original area coverage of 5% per color

Black Ink/Toner Price	\$139.99	Magenta Ink/Toner Yield (pages)	4,000	Maintenance Kit Price	
Black Ink/Toner Yield	6,000	Yellow Ink/Toner Price	\$134.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$134.99	Yellow Ink/Toner Yield	4,000	Other Type	
Cyan Ink/Toner Yield	4,000	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$134.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0233	Color Consumables Cost per Page		\$0.1246

Total Cost Per Page*

Total Cost of Ownership**

*Cost Per Page and **Total Cost of Ownership include the purchase price depreciated over a five-year period. ***Mixed=Based on print usage of 66% Black and 33% Color

Monthly Volume	Black CPP	Color CPP	Monthly Volume	Black TCO	Color TCO	***Mixed TCO
50 pages	\$0.340	\$0.441	50 pages	\$1,020.00	\$1,323.72	\$1,110.03
100 pages	\$0.182	\$0.283	100 pages	\$1,089.99	\$1,697.45	\$1,279.55
250 pages	\$0.087	\$0.188	250 pages	\$1,299.98	\$2,818.61	\$1,788.13
500 pages	\$0.055	\$0.156	500 pages	\$1,649.95	\$2,818.61	\$2,019.11
1,000 pages	\$0.039	\$0.140	1,000 pages	\$2,349.90	\$8,424.45	\$4,331.00
2,000 pages	\$0.031	\$0.132	2,000 pages	\$3,749.80	\$15,898.90	\$7,721.51
3,000 pages	\$0.029	\$0.130	3,000 pages	\$5,149.70	\$23,373.35	\$11,112.01
4,000 pages	\$0.027	\$0.129	4,000 pages	\$6,549.60	\$30,847.80	\$14,502.51
5,000 pages	\$0.026	\$0.128	5,000 pages	\$7,949.50	\$38,322.25	\$17,893.01

Wirth Consulting Commentary

Strengths

- 3.5" color display utilizes Thin Film Transfer technology for exceptional visibility; control panel also utilizes a scroll-wheel for easier navigation through menus.
- Uses only black toner, not composite-black (cyan, magenta, yellow) for producing more vibrant black text and images.
- Internet fax.
- Scan to and print from USB flash memory drives.
- Capable ImageWare Enterprise Management Console network-management.
- Capable Remote UI for client device monitoring.
- Canon Network Scan Gear software for scanning.
- Competitive total cost of ownership (TCO).

Limitations

Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Notes

Best Use

Home offices, small offices and workgroups and enterprises that require an easy-to-use B/W and color office MFP with network print/copy functions on letter- and legal-size media that also supports routine B/W/color scan applications, and who may also require walk-up fax capability.