

WorkForce[®] Pro WF-R8590 with Replaceable Ink Pack System

PRINT | COPY | SCAN | FAX | ETHERNET
WIRELESS | PCL/PS



Multifunction

Workgroup



An affordable, A3 multifunction printer to maximize workgroup productivity.

Powered by PrecisionCore[®] — the next generation of inkjet printing technology

Low intervention — Replaceable Ink Pack System lets you print up to 75,000 ISO pages without changing the ink packs¹

Fast output — prints at speeds of 24 ISO ppm (black) and 24 ISO ppm (color)[†]

Versatile media handling — prints up to 13" x 19"; up to 1830-sheet total paper capacity²; features auto duplexing (print, copy, scan, fax) and auto media size detection

Professional-quality results — laser-sharp text and brilliant colors on a wide variety of media

Duty cycle — up to 75,000-page monthly duty cycle³

Drivers and utilities — Universal printer driver; PCL⁴ and genuine Adobe[®] PostScript[®] 3[™] support

Security features — PIN number certification for job release; user control access; printer and network settings via Web Config with printer's IP address; SSL/TLS security; IPsec

Built-in connectivity — includes Ethernet, USB, wireless b/g/n⁵ and Wi-Fi Direct^{®5}; easily print from tablets and smartphones⁶, including remote printing and access to Cloud

Enabled for remote printer data collection — compatible with MPS software solutions from PrintFleet[®], Eci (FMAudit[®]), Print Audit and others

Designed for use exclusively with Epson[®] ink packs.*



Print

Printing Technology PrecisionCore 4S printhead 4-color inkjet
Printer Language Epson ESC/P[®]-R, PCL 5 emulation[†], PCL 6 emulation[†], PostScript 3
Maximum Print Resolution 4800 x 1200 optimized dpi
ISO Print Speed[†] Black 24 ISO ppm / Color 24 ISO ppm
Two-Sided ISO Print Speed[†] Black 16 ISO ppm / Color 16 ISO ppm
Maximum Draft Print Speed^{††} Black 34 ppm / Color 34 ppm
Minimum Ink Droplet Size 3 droplet sizes, as small as 3.7 picoliters
Duty Cycle[‡] Up to 75,000 pages (Recommended monthly page volume: up to 5000 pages)

Copy

ISO Copy Speed^{†††} Black 22 ISO cpm / Color 21 ISO cpm
Copy Quality Color/Black-and-White: Standard/Best
Copy Quantity 1 – 999 (PC-free)
Maximum Copy Size 11.7" x 17"
Copy Features Auto 2-sided, Preview, Resize, Collate, Adjustable Copy Density

Scan

Scanner Type Color flatbed/Auto 2-sided ADF
Photoelectric Device Color/CIS line sensor
Scanned Size 17.5" x 12"
Optical Resolution 1200 dpi
Hardware Resolution 1200 x 2400 dpi
Maximum Resolution 9600 x 9600 dpi interpolated
Scanner Bit Depth 30-bit color input / 24-bit color output
Scan Features Scan to PC via Document Capture Pro, Scan to Cloud[†] (including email), Memory Device, Password Protected PDFs, Address Book via LDAP

Fax

Black-and-white and Color
Modem: 33.6 Kbps – as fast as 3 sec per page
Memory: Up to 550 pages
Speed dials: 200 (max.)
PC-Fax

Security

Security Features
PIN number certification for job release, user control access, printer and network settings via Web Config using printer's IP address, SSL/TLS security, IPsec

Connectivity

Standard Connectivity
Hi-Speed USB (compatible with USB 2.0 specification)
Wireless LAN IEEE 802.11 b/g/n⁵
Wired Ethernet (1000 Base-T/100 Base-TX/10 Base-T)
Wi-Fi Direct⁶
Network Protocols
TCP/IP v4/v6

Connectivity (continued)

Network Printing Protocols IPP, LDP, Port 9100, WSD
Network Management Protocols
SNMP, HTTP, DHCP, BOOTP, APIPA, DDNS, mDNS, SNT, Ping, SLP, WSD, LLTD
WLAN Security
WEP 64 Bit, WEP 128 Bit, WPA PSK (AES)
Operating Systems Windows[®] 10 (32-bit, 64-bit), Windows 8 (32-bit, 64-bit), Windows 7 (32-bit, 64-bit), Windows Vista[®] (32-bit, 64-bit), Windows XP SP3 (32-bit), Windows XP Professional x64 Edition, Windows Server[®] 2012 R2⁸, Windows Server 2012⁸, Windows Server 2008 R2⁸, Windows Server 2008⁸, Windows Server 2003 R2⁸, Windows Server 2003⁸, Mac OS[®] X 10.5.8 – 10.11.x⁹
Mac OS X Server⁹

Mobile Printing

Epson Connect[™] Epson Email Print, Epson iPrint[™] Mobile App, Epson Remote Print
Other Apple[®] AirPrint[™], Google Cloud Print[™], Fire[™] OS

Paper Handling

PC-free Paper Support 3.5" x 5", 4" x 6", 5" x 7", Letter, Legal, 11" x 17", A3, A4, A5, A6, B5
Maximum Paper Size 13" x 47.5"
Paper Sizes 3.5" x 5", 4" x 6", 5" x 7", 8" x 10", 8.5" x 11", 8.5" x 14", A3, A4, A5, A6, B4, B5, half letter, executive, 11" x 17", 13" x 19", user definable (3.5" – 47.2" in length)
Paper Types Plain paper, Epson Bright White Paper, Epson Presentation Paper Matte, Epson Premium Presentation Paper Matte, Epson Premium Presentation Paper Matte Double-sided, Epson Photo Paper Glossy, Epson Premium Photo Paper Glossy, Epson Ultra Premium Photo Paper Glossy, Epson Premium Photo Paper Semi-gloss, Epson Ultra Premium Photo Paper Luster
Envelope Types No. 10; plain paper, bond paper, air mail
Input Paper Capacity
750 sheets plain paper (250 sheets plain paper x 3 trays)
Rear feed: 80 sheets
(1830 sheets total with two optional 500-sheet paper trays)
10 envelopes
Auto Document Feeder: 50 sheets

General

Display 5" color touchscreen
Temperature
Operating: 50 ° to 95 °F (10 ° to 35 °C)
Storage: -4 ° to 104 °F (-20 ° to 40 °C)
Relative Humidity
Operating: 20 – 80%
Storage: 5 – 85% (no condensation)
Sound Level
Power 6.5 B(A)
Pressure 50 dB(A)
Rated Voltage AC 100 – 240 V Universal (Automatic)
Rated Frequency 50 – 60 Hz
Rated Current 1.2A – 0.6A

General (continued)

Power Consumption
Approx. 40 W ISO 24712 (Standalone copy printing)
Approx. 18 W (Standby)
Approx. 2-7 W (Sleep)
Approx. 0.4 W (Power off) ENERGY STAR[®] qualified
Typical Energy Consumption (TEC)¹⁰
0.6 kWh
Safety Approvals
Safety standards UL60950, CSA C22.2 No. 60950
EMI FCC Part 15 subpart B class B,
CAN/CSA-CEI/IEC CISPR 22 class B
Telecom Regulations FCC Part 68 (U.S.A.), IC/CS03 (Canada)
Country of Origin Indonesia
Weight and Dimensions (W x D x H)
Printing: 30.2" x 35.5" x 27.1"
Storage: 30.2" x 22.5" x 23.3"
Weight: 118.6 lb
What's in the Box Epson WorkForce Pro WF-R8590 multifunction printer, CD-ROM for product setup, power cord, DURABrite[®] Pro Ink packs[†] – Four R24 ink packs: Black, Cyan, Magenta, Yellow
Software Included¹¹ Epson printer driver, PCL 5 driver emulation[†], PCL 6 driver emulation[†], PostScript 3, Document Capture Pro
Warranty One-year limited warranty in the U.S. and Canada

Ink

Ink Type DURABrite Pro pigment ink (smudge, fade and water resistant)
Ink Palette Cyan, Magenta, Yellow and Black
Ink Pack Configuration Four individual ink packs
Fade Resistance / Print Longevity¹² Up to 118 years
Replacement Ink Packs¹
R22X High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 20,000, Color: 20,000)
R24X Extra High-capacity Black, Cyan, Magenta, Yellow (Yield, ISO pages – Black: 75,000, Color: 75,000)
Printer is designed for use with Epson ink packs only, not third-party ink systems[†].

Eco Features

Uses up to 70% less power than laser printers¹³
Save up to 50% of your paper supply with auto 2-sided printing
ENERGY STAR qualified
RoHS compliant
Recyclable product¹⁴
Epson America, Inc. is a SmartWay[®] Transport Partner¹⁵

Ordering Information

WorkForce Pro WF-R8590	C11CE25201
Optional 500-sheet paper cassette	C12C817061
Optional cabinet	C12C847261
Maintenance box	T671200

*This product uses only genuine Epson-brand ink packs. Other brands of ink supplies are not compatible and, even if described as compatible, may not function properly.

† Black and color print speeds are measured in accordance with ISO/IEC 24734. Actual print times will vary based on system configuration, software, and page complexity. For more information, visit www.epson.com/printspeed | †† Maximum pages per minute (PPM) are measured after first page with text patterns in Draft Mode on plain paper. Actual print times will vary based on system configuration, software, and page complexity. | ††† Black and color copy speeds are determined in accordance with ISO/IEC 29183. Actual copy times will vary based on system configuration and page complexity. For more information, visit www.epson.com/copyspeed | 1 Ink pack yields are estimated based on ISO/IEC 24711 test in Default Mode printing continuously. Ink pack yields vary considerably for reasons including printed images, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. All ink colors are used for printing and printer maintenance, and all colors have to be installed for printing. For print quality, part of the ink from the included ink packs is used for printer startup and a variable amount of ink remains in the ink pack after the "replace ink pack" signal. For details, see www.epson.com/cartridgeinfo | 2 With optional paper trays. | 3 Monthly duty cycle up to 75,000 is the highest duty a user could expect in a month, based on near-constant operation of a device of this kind. It is not recommended that the device be run at this duty. For best device performance, run the device at the recommended duty of 5000 pages per month. | 4 Not all media types are supported for PCL printing. | 5 Wi-Fi CERTIFIED[™]: level of performance subject to the range of the router being used. Wi-Fi Direct may require printer software. | 6 Most features require an Internet connection to the printer, as well as an Internet- and/or email-enabled device. For a list of Epson Connect enabled printers and compatible devices and apps, visit www.epson.com/connect | 7 Scan to cloud requires an internet connection, a free Epson Connect account and a destination email address or cloud storage account. For a list of supported cloud services, visit www.epson.com/connect | 8 Only printing and scanning are supported under Windows Server OS. | 9 Some applications and/or functions may not be supported under Mac OS X. | 10 Based on ENERGY STAR TEC measurement methodology; 288 prints/day; actual electricity consumption may vary depending on printer use. For more information, see www.energystar.gov | 11 Internet access is required to install OS X drivers and software. | 12 Display permanence based on accelerated testing of prints displayed under glass in indoor display conditions; album permanence based on accelerated testing of prints in dark storage conditions. Actual print stability will vary according to media, printed image, display conditions, light intensity, temperature, humidity and atmospheric conditions. Epson does not guarantee the longevity of prints. For maximum print life, display all prints under glass or UV filter or properly store them. | 13 Compared to best-selling single and multifunction color laser printers priced at \$1999 (USD) or less as of November 2014. Actual power savings will vary by product model and usage. | 14 For convenient and reasonable recycling options, visit www.epson.com/recycle | 15 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

Epson America, Inc.
3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

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