EPSON®

WorkForce® Enterprise WF-M20590F Monochrome Multifunction Printer

Print | Copy | Scan | Fax

PRECISIONCORE
HEAT·FREE®

Shown with
optional trays

The ultra productive MFP for high-volume, quality monochrome printing.

Ultra productive — the monochrome printer for high-volume print production applications

Quality without compromise — advanced PrecisionCore Heat-Free® technology delivers both speed and professional-quality output

Conserve energy — up to 50 percent lower power consumption than monochrome lasers[1]

Breakthrough speed that takes business productivity to a whole new level — 100 ISO ppm† (black), the fastest print speed in its class[1]

Do more with an intuitive user interface — scan to email or the cloud[2], all from a user-friendly 9" touchscreen

Manage your printer fleet and keep costs in check — compatible with third-party software solutions for tracking usage in order to manage costs

Print from wherever business takes you — featuring Epson Connect™, with a full suite of mobile printing capabilities[3]

Optional professional finisher — the perfect solution for stacking and stapling

Monthly duty cycle — up to 400,000 pages (recommended monthly page volume of up to 100,000 pages)[4]

Make an impact while minimizing costs — professional, high-resolution output (600 x 2400 dpi) from a cost-effective monochrome MFP

Designed for use exclusively with Epson® ink cartridges.*

Print

Printing Technology PrecisionCore Heat-Free Technology 1-color (mono) drop-on-demand linehead inkjet
Maximum Print Resolution 600 x 2400 dpi
Print Speed† 100 ISO ppm (black) simplex, 100 ipm (black) duplex
Print Features Simplex, Duplex, Collating, Rotate-sort, Mixed Paper Sizes, Secure Printing, Watermark, Poster Printing

Mobile Printing and Scanning

Epson Connect Solutions[3] Epson Email Print, Epson Remote Print, Epson iPrint™ App (iOS, Android™), Epson Print and Scan App (Windows®)
Other Google Cloud Print™, Android printing, Fire™ OS printing, Mopria® Print Service, Scan to Cloud[2], Chrome™ OS

Copy

Copy Speed Flatbed†† 100 ISO cpm (black/color)
Copy Speed ADF†† 100 ISO cpm
Copy Quantity 1 – 999
Maximum Copy Size 13" x 19"
Copy Resolution (dpi) Maximum 600 x 1200
Document Table (input): text 300 x 600, text and image 300 x 600, text and image (best) 600 x 600, photo 300 x 600
Document Table (output): text 600 x 600, text and image 600 x 600, text and image (best) 600 x 600, photo 600 x 1200
ADF (input): text 300 x 400, text and image 300 x 400, text and image (best) 600 x 600, photo 300 x 400
ADF (output): text 600 x 600, text and image 600 x 600, text and image (best) 600 x 600, photo 600 x 1200
Copy Features Automatic 1-sided to 2-sided, Fit to Page, Automatic Reduction and Enlargement (25 – 400%), ID Copy, Adjustable Copy Density, Collate 100 Sheets, 1-sided to 2-sided, 2-sided to 1-sided, 2-sided to 2-sided, Adjustments — Density, Contrast, Color, Sharpness, Text Enhancement, Mixed Size Originals

Scan

Scanner Type Color flatbed/Auto 2-sided ADF
Optical Resolution 1200 dpi
Hardware Resolution 1200 x 2400 dpi
Maximum Resolution 9600 dpi interpolated
Scanner Speed[5] ADF Simplex 60 ipm/Duplex 110 ipm
Maximum Scan Bed Size 11.7" x 17"
Scan Features Scan to PC (USB and network), Scan to Cloud[2], Scan to Email (SSL), Network Folder, LDAP Support, Scan to Memory Card/Flash Drive, Scan to PDF, Remove Shadows/Punch Holes, Density Adjustment

Fax

Type Walk-up black-and-white and color
Modem Up to 33.6 Kbps
Receive Memory 6MB

Fax (continued)

Transmission Paper Size Flatbed: A5, Half Letter, B5, Letter, A4, Legal, B4, A3, 11" x 17", ADF: A5, B5, Letter, A4, Legal, B4, A3, 11" x 17"
Receiving Paper Size A5, Half Letter, B5, Letter, A4, Legal, B4, A3, 11" x 17"
Speed Dial Numbers Up to 2,000
Fax Features Send, Receive, Fax to Email, Fax to Folder, Inbox, Password Delayed Send, Sharpness, Copy Ratio

Auto Document Feeder

Support Paper Thickness 52 g/m² – 160 g/m², 16 lb – 40 lb
Paper Capacity/Number of Originals 150 sheets, 80 g/m², 21 lb
Automatic 2-sided Scan/Copy Yes

Connectivity

Standard Connectivity
SuperSpeed USB 3.0, Wireless, Wi-Fi Direct®[6], Ethernet — 1000Base-T/100Base-TX/10Base-T, NFC[7]
Operating Systems Windows 10, Windows 8, 8.1 (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® 2003 SP2[8] – Windows Server 2016[8], Mac® OS X® 10.6.8 – macOS® 10.12.x[9]

Paper Handling

Maximum Paper Size
Standard cassette up to: 11" x 17"
Multipurpose tray: 13" x 47.2"
Paper Types Plain Paper, Epson Ultra Premium Presentation Paper Matte, Epson Premium Presentation Paper Matte, Epson Presentation Paper Matte, envelopes and card stock up to 350 g/m² or 92 lb
Number of Paper Trays 4 standard cassette trays and 1 multipurpose tray; optional high-capacity input tray
Input Paper Capacity 2,350 sheets (550 x 4 standard trays, 150 x 1 multipurpose tray); optional high-capacity input tray: 3,000 sheets
Supported Paper Weights
Standard cassette trays: up to 160 g/m² or 42 lb
Multipurpose tray: up to 350 g/m² or 92 lb

General

Display 9.0" color touchscreen
Temperature
Operating: 50 ° to 95 ° F (10 ° to 35 ° C)
Storage: 6.8 ° to 104 ° F (-14 ° to 40 ° C)
Relative Humidity
Operating: 15 – 85%
Storage: 5 – 85% (no condensation)
Noise Level Less than 75 dB

General (continued)

Rated Voltage AC 100 – 240 V
Rated Frequency 50 – 60 Hz
Rated Current 9.0 – 4.5 A
Power Consumption (Approximate)
Standalone Copy Printing: 180 W
Ready Mode: 77 W
Sleep Mode: 1.1 W
Maximum Power Consumption 320 W
Weight and Dimensions (W x D x H)
Printer: 26.5" x 29.8" x 48.5"
Weight: 394.6 lb (printer), 410.3 lb (printer with supplies)
Optional Bridge Unit: 19.1" x 26.3" x 40.9"
Weight: 136.7 lb
Optional Professional Finisher: 26.8" x 26.3" x 41.8"
Weight: 91.7 lb
Optional High-capacity Input Tray: 12.6" x 24.4" x 19.8"
Weight: 60.2 lb
What's Included WorkForce Enterprise WF-M20590F MFP, instruction booklet, power cord, DURABrite® Pro Ink cartridges (2x Black ink cartridges)
Software Available[10] Epson printer driver, PCL-5 driver emulation[11], PCL 6 driver emulation[11], Adobe® PostScript® 3™, Document Capture Pro
Warranty 90-day limited warranty; additional service options available through your reseller
Country of Origin Indonesia

Ink

Ink Type DURABrite Pro pigment ink
Ink Cartridges 2x individual ink cartridges (Black)
Fade Resistance/Print Longevity[12] Up to 84 years
Replacement Ink Cartridges[13] T04Q High-capacity Ink Cartridges — Black (Yield, ISO pages — 60,000)

Eco Features

Uses up to 50% less power than monochrome laser printers[1]
Save up to 50% of your paper supply with automatic, 2-sided printing
ENERGY STAR qualified
RoHS compliant
End-of-life options available[14]
Epson America, Inc. is a SmartWay® Transport Partner[15]

Ordering Information

WorkForce Enterprise WF-M20590F	C11CJ03202
Optional Professional Finisher with Bridge Unit	C12C933261BU
Optional High-capacity Input Tray	C12C933331
Optional Cassette Lock	C12C933231
Staples Cartridge Finisher	C13S210061

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

† Black print speeds are measured in accordance with ISO/IEC 24734. Actual print times will vary based on factors including system configuration, software, and page complexity. For more information, visit www.epson.com/printspeed | †† Black copy speeds are determined in accordance with ISO/IEC 29183. Actual copy times will vary based on factors including system configuration and page complexity. For more information, visit www.epson.com/copyspeed | **1** Compared to similarly featured A3 monochrome MFPs. Competitive data from manufacturer websites and third-party industry sources as of February 2019. | **2** 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 | **3** 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 | **4** Monthly duty cycle up to 400,000 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 100,000 pages a month. | **5** Based on 200 dpi, letter-size, in Black-and-White or Color. | **6** Wi-Fi CERTIFIED™; level of performance subject to the range of the router being used. Wi-Fi Direct may require printer software. | **7** NFC requires use of a device that includes NFC, and may require additional software. | **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** Internet access is required to install OS X drivers and software. | **11** Not all media types are supported for PCL printing. | **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** Replacement cartridge yields are based on ISO/IEC 24711 tests in Default Mode printing continuously. Cartridge yields vary considerably for reasons including images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly using 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 cartridges is used for printer startup and a variable amount of ink remains in the cartridges after the "replace cartridge" signal. For more information, visit www.epson.com/inkinfo | **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.

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Contact: