

SPECIFICATIONS

WORKFORCE ENTERPRISE WF-C20590

Model Number	WF-C20590
Printing	
Printing Technology	PrecisionCore Heat-Free Technology
Nozzle Configuration	8,676 nozzles each colour (Black, Cyan, Magenta, Yellow)
Maximum Resolution	600 x 2,400 dpi
Minimum Ink Droplet Volume	4.4 pl
Print Speed	
ISO 24734, A4, Simplex / Duplex	Approx. 100 ipm / 100 ipm (Black / Colour)
ISO 24734.2, A3, Simplex	Approx. 54.3 ipm / 54.3 ipm (Black / Colour)
ISO 24734.2, A3, Duplex	Approx. 36.3 ipm / 36.3 ipm (Black / Colour)
First Page Out Time	Approx. 6.2 sec / 6.2 sec (Black / Colour)
Printer Language	ESC/P-R, ESC/P-RJ, ESC/Page, ESC/Page-Colour, PostScript3
Printer Control Language Emulations	PCL5c / PCL6 / PostScript3 / PDF(ver1.7)
Maximum Monthly Duty Cycle ⁶	400,000 pages per month
Automatic 2-sided printing	Yes
Copying	
Copy Speed	
ISO 29183, A4, Simplex (Flatbed)	Approx. 100 ipm / 100 ipm (Black / Colour)
ISO 24735, A4, Simplex (ADF 1:1)	Approx. 100 ipm / 100 ipm (Black / Colour)
ISO 24735, A4, Duplex (ADF 1:2 / 2:2)	Approx. 95 ipm / 95 ipm (Black / Colour)
Maximum Copies from Standalone	9,999 copies
Max Copy Resolution	600 x 1,200 dpi
Reduction/Enlargement	25 - 400%, Auto Fit Function
Copy Paper Size (Flatbed)	A3, B4, Legal, Letter, A4, B5, A5, B6, A6, 16K, 8K, Envelopes: #10, DL, C4, C5, C6
Maximum Copy Size	A3
Scanning	
Scanner Type	Flatbed colour image scanner
Sensor Type	CIS
Optical Resolution	600 x 1,200 dpi
Maximum Scan Area	297.18 x 431.8 mm (11.7 x 17")
Scanner Bit Depth	
Colour	30-bit input, 24-bit output
Grayscale	10-bit input, 8-bit output
Black & White	10-bit input, 1-bit output
Scan Features	Scan to Memory Device, Scan to Network Folder/FTP, Scan to Email, Scan to Computer (Document Capture Pro), Scan to Computer (WSD)
Scan Speed (A4 Landscape, Flatbed / ADF Simplex / ADF Duplex) 200 dpi: Monochrome / Colour	3.7 sec / 60 ppm / 110 ipm
ADF Function	
Support Paper Weight	52-128 g/m ²
Paper Capacity	150 sheets (80 g/m ²)
Automatic 2-sided Scan / Copy / Fax	Yes
Support Paper Size	A6 - A3
Fax Function	
Type of Fax	Walk-up black-and-white and colour fax capability
Receive Memory / Page Memory	6 MB, Page memory Up to 550 pages (ITU-T No.1 chart)
Error Correction Mode	ITU Group3 fax with Error Correction Mode
Fax Speed (Data transfer rate)	Up to 33.6kbps, Approx. 3sec/page
Fax Resolution	
Black & White	Standard: 8pels/mm x 3.85lines/mm, Fine: 8pels/mm x 7.7lines/mm, Super Fine: 8pels/mm x 15.4lines/mm, Ultra Fine: 16pels/mm x 15.4lines/mm, Photo: 8pels/mm x 7.7lines/mm
Colour	Fine: 200 x 200 dpi, Photo: 200 x 200 dpi
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 / Group Dial	Up to 2,000 numbers, 1,999 groups
Fax Features	PC Fax (Transmission/Receive), Automatic redial, Address book, Delay Send, Transmit Reservation (50 cases), Broadcast Fax (Mono Only)
Paper Handling	
Number of Paper Trays (Standards)	5 (Paper Cassettes: 4, MP Tray: 1)
Paper Hold Capacity	
Input Capacity	Up to 2,350 sheets (80 g/m ²) (Paper Cassettes 1 - 4: 550 x 4 + MP Tray: 150 sheets)
Maximum Input Capacity	Up to 5,350 sheets (80 g/m ²) (Paper Cassettes 1 - 4: 550 x 4 + MP Tray: 150 sheets + High Capacity Feeder Unit: 3,000 sheets)
Output Capacity	Up to 700 sheets (80 g/m ²) (Face Down Tray: 550 sheets, Face Up Tray: 150 sheets)
Maximum Output Capacity	Up to 4,900 sheets (80 g/m ²) (Face Down Tray: 550 sheets, Face Up Tray: 150 sheets, Finisher Tray: 4,000 sheets, Finisher Tray 2 ^o : 200 sheets)
Support Paper Size	A3+, A3, A4, B5, A5, A6, 5x7", 4x6", Legal, Letter, Envelopes: #10, DL, C6, C4
Maximum Paper Size	Paper Cassettes 1 - 4: A3 MP Tray: A3+, 330 x 1200mm (12.95 x 47.24")
Support Paper Weight	Paper Cassettes 1 - 4: 60 - 160 g/m ² MP Tray: 60 - 350 g/m ²

Dimensions & Weight

WF-C20590

Weight (including supplies): 186.1kg (410.3lb)



WF-C20590 with Optional Finisher and High Capacity Feeder Unit

Weight (including supplies): 318kg (701.1lb)



Printer Interface		
USB	USB 3.0	
Network	Ethernet (1000BASE-T/100BASE-TX/10BASE-T), Wi-Fi (IEEE 802.11b/g/n), Wi-Fi Direct, NFC	
Network Protocol	TCP/IPv4, TCP/IPv6	
Network Printing Protocol	LPD, IPP, PORT9100, WSD	
Network Management Protocols	SNMP, HTTP, DHCP, BOOTP, APIPA, PING, DDNS, mDNS, SNT, SLP, WSD, LLTD	
Security Features	Limit Access Function, PIN No. Certification, LDAP Address Book, IP Address Filtering, Panel Admin Mode	
USB Host Function		
Type of Direct Printing	Memory Devices	
USB Host	USB Host (Scan to memory device / Storage function)	
Direct Print Paper Size	A3+, A3, B4, Legal, Letter, A4, B5, A5, B6, A6, 16K, 8K, Envelopes: #10, DL, C4, C5, C6	
Mobile and Remote Printing		
Epson Connect	Epson iPrint, Epson Email Print, Remote Print Driver, Scan to Cloud	
Other Mobile Solutions	Google Cloud Print, Mopria Print Service	
Control Panel		
LCD Screen	9.0" / 22.7cm TFT Colour LCD	
Printer Software		
Operating System Compatibility	Windows XP / Vista / 7 / 8 / 8.1 / 10 Windows Server 2003 / 2008 / 2012 / 2016 Only printing and scanning functions are supported for Windows Server OS. Mac OS X 10.6.x or later	
Electrical Specifications		
Rated Voltage	100-240V Universal	
Rated Frequency	50 - 60 Hz	
Power Consumption (Main Unit only)		
Operating	180W	
Standby	77W	
Sleep	1.4W	
Power off	0.4W	
Noise Level		
PC Printing / Plain Paper Default ⁹	7.5 B(A), 59 dB(A)	
Consumables		
	Page Yield⁵	Order Code
High Capacity Ink Cartridge (Black)	50,000 pages	C13T858100
High Capacity Ink Cartridge (Cyan)	50,000 pages (Composite Yield)	C13T858200
High Capacity Ink Cartridge (Magenta)		C13T858300
High Capacity Ink Cartridge (Yellow)		C13T858400
Waste Ink Box	-	C13T671300
Staple Cartridge for Finisher	-	C13S210061
Options		Order Code
Optional Finisher with Bridge Unit	-	C12C933081 & C12C933261 (Purchased together)
Optional High Capacity Feeder	-	C12C933041
Optional Cassette Lock	-	C12C933231
Optional Finisher		
Output Capacity	Stacker Tray: 4,000 sheets (80 g/m ²) Tray 2 (for fax output only): 200 sheets (80 g/m ²)	
Finisher Functions	Shift Sorting, Staple	
Staple Capability	Up to 50 sheets (80 g/m ²)	
Supported Paper Size for Staple	A3, A4, B4, B5(LEF), Legal(SEF), Letter, 8K, 16K	
Staple Functions	Automatic Staple for 5 positions, Manual Staple	
Maximum Power Consumption	Less than 165W	
Optional High Capacity Feeder		
Input Capacity	3,000 sheets (80 g/m ²)	
Support Paper Weight	60 - 160 g/m ²	
Support Paper Size	A4, Letter	
Maximum Power Consumption	Less than 21W	



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Dealer's Stamp

Information correct as at September 2019.

Disclaimers:

¹ Black and colour 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.sg/printspeed

² Energy used by the WF-C20590 while copying is 180W compared to an average of competitor A3 laser/LED MFPs capable of 55-65ppm showing "Energy Used While Copying" data available in BLI database (Feb 2017).

³ Based on Epson internal testing methodology.

⁴ Max power used while copying for competitor colour A3 laser/LED MFPs capable of 45-55ppm showing "Energy Used While Copying" data as available in BLI database (Feb 2017).

⁵ 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 with one ink colour. All ink colours are used for printing and printer maintenance, and all colours have to be installed for printing. For print quality, part of the ink from the included cartridges is used for printer start and a variable amount of ink remains in the cartridges after the "replace cartridge" signal. For more information, visit www.epson.com.sg/inkinfo

⁶ The maximum number of printed pages per month is based on the performance capabilities of the printer, including ISO rated print speeds and paper handling capabilities.

⁷ Finisher Tray 2 for Fax output only.

⁸ Default mode in accordance with ISO7779 for MFPs.