WorkForce Enterprise
WF-C20590

DATASHEET / BROCHURE

Print high-quality documents at superfast 100ipm speeds with this reliable and environmentally-friendly departmental colour A3 business MFP.

The WorkForce Enterprise business inkjet printer combines ultra-fast performance with low energy consumption. Designed for printing high volume jobs, this environmentally smart multifunction business printer is capable of delivering superb print quality at superfast speeds up to 100ipm.

High speed
Discover excellent quality at incredibly high speeds. Enjoy consistently superb image quality at 600 x 2400dpi and print speeds up to 100 images per minute in simplex and duplex, matching and even beating most laser printers. Take advantage of up to one and a half times faster for first page out and two and a half times faster for typical business print jobs of just a few pages than colour lasers and copiers[1].

Reduces environmental impact
Use up to 88% less energy compared to lasers[1]. With low waste supplies and a simple working mechanism the WorkForce Enterprise reduces the environmental impact of print, by providing a low power solution with fewer supplies required. Enjoy a high paper capactiy of 5,350 sheets, and print up to 100K black[2] or 50K colour pages without replenishing ink.

Quality without compromise
Increase productivity without sacrificing quality with this multi-function printer. The combination of Epson's PrecisionCore linehead inkjet technology, liquid inks and efficient paper transport mechanism gives you a printer that delivers.

Advanced integration improves workflow
Take advantage of a wide range of software solutions from remote management to accounting and Follow Me Solutions. These can be integrated into your existing IT infrastructure to improve productivity and increase efficiency.

KEY FEATURES

- **Radically fast**
  Up to 100ipm plus high-speed dual scan
- **High reliability**
  Elegantly simple mechanism for environments where downtime is not an option
- **High capacity**
  Print up to 100k[2] black or 50k colour pages without replenishing ink
- **Cut environmental impact**
  Use to 88% less energy compared to lasers[1]
- **Built for business**
  Take advantage of a wide range of software solutions

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PRODUCT SPECIFICATIONS

TECHNOLOGY	
Printing Method	PrecisionCore™ TFP print head
Nozzle Configuration	8,676 Nozzles black, 8,676 Nozzles per colour
Minimum Droplet Size	3.5 pl
Ink Technology	DURABrite™ Pro
Application	Office Departmental
All-in-One Functions	Print, Scan, Copy, Fax
PRINT	
First Page Out	Monochrome 5 Seconds, Colour 5 Seconds
Printing Speed ISO/IEC 24734	100 pages/min Monochrome, 100 pages/min Colour
Duplex Printing Speed ISO/IEC 24734	100 A4 pages/min Monochrome, 100 A4 pages/min Colour
Printing Speed ISO/IEC 24734 (A3)	54 pages/min Monochrome, 54 pages/min Colour
Duplex Printing Speed ISO/IEC 24734 (A3)	36 A4 pages/min Monochrome, 36 A4 pages/min Colour
Maximum Printing Speed	100 pages/min Monochrome (plain paper), 100 pages/min Colour (plain paper)
Printing Resolution	600 x 2,400 dpi
Max Duty cycle	400,000 pages per month The maximum number of printed pages per month based on the performance capabilities of the printer, including ISO rated print speeds and paper handling capabilities.
Recommended Duty Cycle	8,000 - 100,000 pages per month
Colours	Black, Cyan, Yellow, Magenta
For detailed information on printing speeds please visit http://www.epson.eu/testing.	
SCAN	
Scanning Speed (new)	60 ipm (Monochrome, Single-sided, 200 dpi, ADF) * Scanning in accordance with ISO/IEC 17991; 110 ipm (Monochrome, Double-sided, 200 dpi, ADF) * Scanning in accordance with ISO/IEC 17991; 60 ipm (Colour, Single-sided, 200 dpi, ADF) * Scanning in accordance with ISO/IEC 17991; 110 ipm (Colour, Double-sided, 200 dpi, ADF) * Scanning in accordance with ISO/IEC 17991; 60 ipm (Colour, Single-sided, 300 dpi, ADF) * Scanning in accordance with ISO/IEC 17991; 85 (Colour, Double-sided, 300 dpi, ADF) * Scanning in accordance with ISO/IEC 17991;
Scanning Resolution	600 dpi x 1,200 dpi (Horizontal x Vertical)
Optical Resolution (ADF)	600 dpi x 600 dpi (Horizontal x Vertical)
Advanced document integration	E-mail, FTP, USB, Computer (Epson Document Capture Pro), USB Memory Device
Output formats	JPEG, TIFF, PDF
Scanner type	Contact image sensor (CIS)
FAX	
Type of fax	Walk-up black and white and colour fax capability
Fax Transmission Speed	upto 33.6kbps / Approx. 3 sec/page
Error correction mode	CCITU/ITU Group3 fax with Error Correction Mode
Fax speed dials (max)	2,000 names and numbers
Page memory	upto 550 pages/ 6MB (ITU-T No. 1 chart)
Fax Functions	Auto Redial, Address Book, Delay Send, Broadcast Fax

WHAT'S IN THE BOX

- Power cable
- Information sheet
- User guide

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WorkForce Enterprise WF-C20590

COPY	
Copy Speed	up to 100 ipm Black, up to 100 ipm Colour *Simplex ADF 600 x 600 dpi (ISO/ IEC 24735)
Copy resolution (dpi)	600 x 1200
Reduction / Enlargement	25 % - 400 %
Maximum number of copies	9,999
Maximum Copy Size	A3
CONNECTIVITY	
Network Printing Protocols	LPR, FTP, IPP, LPD, Port 9100, TCP/IPv4, TCP/IPv6, IPSec, WSD-Print
Network Management Protocols	SNMP, HTTP, DHCP, BOOTP, APIPA, DDNS, mDNS, SNTP, SLP, WSD, LLTD, Ping, SMTP, TCP/IPv4, TCP/IPv6, IPSec, IEEE 802.1X, DCHP, HTTPS, LDAP, SNMP 3.0
Network Scanning Protocols	WSD-Scan, FTP
Interfaces	USB 3.0, 10 Base-T, Ethernet interface (100 Base-TX / 10 Base-T), Gigabit ethernet interface, Ethernet Interface (1000 Base-T/ 100-Base TX/ 10-Base-T), Wireless LAN IEEE 802.11a/b/g/n, Wi-Fi Direct
Network Protocols	TCP/IPv4, TCP/IPv6, TCP, HTTP, HTTPS, IPv4, IPv6, IPSEC, SSL/TLS
PAPER / MEDIA HANDLING	
Paper Formats	A3, A4, Postcard, A3+, A5, A6, B4, B5, B6, C4 (Envelope), C5 (Envelope), C6 (Envelope), DL (Envelope), Executive, Letter, Legal, HLT, No. 10 (Envelope), User defined
Automatic Document Feeder	150 pages
Compatible Paper Weight	60 g/m² - 350 g/m²
Duplex	Yes (A4/A3, plain paper)
Standard Paper input	2,350 Sheets Standard, 150 Sheets MP tray, 550 Sheets paper tray
Output Tray Capacity	550 Sheets
Maximum paper input	5,350
Number of paper trays	4
PAPER FEED RASF	
Paper Input Name	RASF
Paper Formats	A3+, A3, A4, A5, A6, B4, B5, B6, C4 (Envelope), C5 (Envelope), C6 (Envelope), DL (Envelope), Letter, 20 x 25 cm, HLT, User defined
Custom sizes	Min 55x 330 mm to Max 127x 1,200 mm
Compatible paper weight	60 g/m² - 350 g/m²
Paper Capacity 1	150 80gsm
PAPER FEED C1	
Paper Input Name	C1
Paper Formats	A3, A4, A5, B4, B5, Letter, HLT, Executive
Custom sizes	Min 140x 297 mm to Max 182x 432 mm
Compatible paper weight	60 g/m² - 160 g/m²
Paper Capacity 1	550 80gsm
{SPECGROUPNAMEPAPERFEEDC2-C4}	
Paper Input Name	C2-C4
Paper Formats	A3, A4, A5, B4, B5, Letter, HLT
Custom sizes	Min 140x 297 mm to Max 182x 432 mm
Compatible paper weight	60 g/m² - 160 g/m²
Paper Capacity 1	550 80gsm
PAPER FEED LCT	
Paper Input Name	LCT
Paper Formats	A4, Letter
Compatible paper weight	60 g/m² - 160 g/m²
Paper Capacity 1	3,000 80gsm

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PAPER FEED DUPLEX	
Paper Input Name	Duplex
Compatible paper weight	60 g/m² - 160 g/m²
GENERAL	
Energy Use	180 W (standalone copying, ISO/IEC 24712 pattern), 1.4 W (sleep mode), 77 W (Ready), 0.4 W (Power off), ENERGY STAR® qualified, TEC 1.3 kWh/week
Supply Voltage	AC 100 V - 240 V
Product dimensions	674 x 757 x 1,230 mm (Width x Depth x Height)
Product weight	180.28 kg
Noise Level	7.5 B (A) according to ISO 7779 pattern with Epson Premium Glossy Photo Paper / Photo RPM mode - 59 dB (A) according to ISO 9296
Compatible Operating Systems	Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Mac OS X 10.11.x, Mac OS X 10.6.8, Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2, Windows Vista, Windows XP SP2 or higher, Windows server 2003 R2, XP Professional x64 Edition
Power Supply	220V, 240V
ADDITIONAL FEATURES	
Memory	3 GB included
Features	Touchscreen
LCD screen	Type: Colour, Touchscreen, Diagonal: 22.7 cm
Media Handling	Duplex (A4/A3, plain paper)
Security Functions	Secure confidential printing with PIN code release, IPsec, IEEE802.1x, SSL (Server authentication)
OTHER FEATURES	
Emulations	PCL5c, PCL6, PostScript 3, PDF 1.7, ESC/P, ESC/P-R

SUPPLIES

● WorkForce Enterprise WF-C20590 Black Ink	C13T858100	50,000 pages
● WorkForce Enterprise WF-C20590 Cyan Ink	C13T858200	50,000 pages
● WorkForce Enterprise WF-C20590 Magenta Ink	C13T858300	50,000 pages
● Maintenance box	C13T671300	
● WorkForce Enterprise WF-C20590 Yellow Ink	C13T858400	50,000 pages
● Staples	C13S210061	

OPTIONAL ACCESSORIES

- 3000-sheet High Capacity Paper Tray
  C12C933041
- 4000-Sheet Stapler / Stacker unit
  C12C933261
- Optional Bridge Unit
  C12C933081
- Cassette Lock
  C12C933231

LOGISTICS INFORMATION

SKU	**C11CE47401BY**
EAN code	**8715946646718**

INK YIELD DATA

	T8584
●	50,000 pages*
●●●	50,000 pages*

* Approx. page yield based on ISO/IEC 24711/24712 or ISO/IEC 29102/29103. Actual yield will vary depending on images printed and usage conditions. For more information visit http://www.epson.eu/pageyield

PRECISIONCORE

Document Capture Pro

DURABrite Pro INK

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1. As tested by BLI, over two months to Feb 2017, against a selection of competing machines, as commissioned by Epson. For more information visit www.epson.eu/inkjetsaving
2. Black page yield of 100K pages achieved by two 50K cartridges. Both are required for operation.

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