HP LASERJET MANAGED MFP E82670 (C20YTAV, CR5F9AV)

The HP printing system HP LaserJet Managed MFP E82670 (C20YTAV, CR5F9AV) is awarded with the environmental label Blue Angel (DE-UZ 219, edition January 2021) in commercial use for a variety of countries*, for meeting altogether more than 100 strict certification criteria. In the following, essential environmental information on the device is summarised. Comprehensive information on the Blue Angel product requirements and detailed product specifications are available at www.blauer-engel.de.

www.blauer-engel.de/uz219

PRINTING PAPER

This device is suitable for using recycled paper in accordance with EN 12281.

DOUBLE SIDED PRINTING/COPYING IN DELIVERY STATUS

The device is equipped with an automatic duplexer for double-sided printing and copying. Duplex printing is the default setting. Furthermore, the device features the capability to printout several pages of a digital file on one single page.

LONGEVITY

Cleaning, maintenance and disposal should only be performed by experts in accordance with the instructions in the product documentation.

INFORMATION ON POST-CONSUMER RECYCLED PLASTIC

HP contributes to the conservation of resources by using post-consumer recycled plastic for production of new HP products. These plastics are recycled waste plastics stemming from private or commercial end-consumers. This HP device contains 10-15% of post-consumer recycled plastic.

RETURN OF EQUIPMENT

HP provides information on the return of used equipment at your local HP sales or customer-service centre or at http://www.hp.com/recycle.

RETURN OF PHOTOCONDUCTOR DRUM

Photoconductor drums can be returned cost-free to HP just as the HP toner cartridges for this device.

RETURN OF CONSUMABLES

In a variety of countries*, HP toner cartridges for this device as well as the waste toner container can be returned cost-free to HP as part of the return and recycling programme. The packaging of each new HP toner cartridge contains information on how to participate in this programme. Or visit our website: http://www.hp.com/recycle.

YIELDS OF CONSUMABLES

The HP toner cartridge HP LaserJet Black Starter Toner Cartridge (W9084MS) shipped with the product has a reference yield of 9,000 pages, determined according to ISO/IEC standard 19752.

The yield of this toner cartridge may be reduced as a consequence of the initial commissioning process or calibration processes of the HP printing system.

Further information can be found at http://www8.hp.com/h71041/learn-about-supplies/us/en/overview.php.

INFORMATION ON HANDLING OF THE TONER MODULES

- Please leave HP toner cartridges in their despatch packaging until you need them for use in your printer; when inserting the HP toner cartridge, please follow the information on handling.
- HP toner cartridges should never be opened by force. If toner dust escapes, e.g. as a result of inappropriate handling, inhalation of dust and skin contact are to be avoided as a precautionary measure.
- In case of skin contact wash affected areas thoroughly with soap and cold water. HP toner cartridges are to be kept out of the reach of children.

AIR EMISSIONS

With original HP toners, the device passes the air emission test for monochrome printing according to DE-UZ 219. Since plastics of new electrical devices generally release small amounts of volatile substances into the room air, we recommend providing sufficient air exchange in rooms where new devices are set up.

NOISE EMISSIONS

DECLARED SOUND POWER LEVEL FOR ONE-SIDED PRINTING (L_{WAC})

In monochrome print mode 70 pages/minute: 6.93 Bels and 69.3 dB

ENERGY

ENERGY INFORMATION ON HP LASERJET MANAGED MFP E82670 (C20YTAV, CR5F9AV)

The consumption of electric power depends on its properties and on the way it is used. HP LaserJet Managed MFP E82670 (C20YTAV, CR5F9AV) is designed and pre-set in a way to allow you to reduce electricity costs.

Directly after the last print or copy job, HP LaserJet Managed MFP E82670 (C20YTAV, CR5F9AV) switches over to an electric power saving mode. If the device switches over to electric power saving modes, you can save electricity and operating costs. If the device is to print or copy again, there can be a short delay – this is called recovery time. However, the device meets the strict Blue Angel requirements for a recovery time (http://www.blauer-engel.de).

You can save electricity costs by shortening the device's delay times as it will switch over to an electric power saving mode more quickly. If you extend the delay time or deactivate the electric power saving mode, you should consider that consequently the device will consume more electric power and might no longer meet the maximum value for electric power consumption of the Blue Angel. We recommend not extending the delay times.

The device is so designed as to ensure that it can be switched to the Off-mode (standby) by pressing the on/off switch up to twice a day without suffering damage. This device does not have a switch by which it can be completely

disconnected from the mains. When after having switched off the device you pull out the power plug, electric power consumption is completely stopped.

The table below lists the individual power consumption values as well as delay and recovery times (factory setting). With these values the device meets the Blue Angel requirements.

OVERVIEW OF HP LASERJET MANAGED MFP E82670 (C20YTAV, CR5F9AV) OPERATING MODES

Page throughput for A4 paper size (according to ISO/IEC 24734/24735):

In monochrome print mode: 70 pages/minute with a resolution of 236 dpcm (600 dpi)
In monochrome copy mode: 70 pages/minute with a resolution of 236 dpcm (600 dpi)

(dpcm = dots per centimetre [Bildpunkte pro Zentimeter]); (dpi = dots per inch [Bildpunkte pro Zoll])

SWITCH SYMBOL	OPERATION MODE[1]	POWER CONSUMPTION[2] WATTS	DELAY TIME[3] MINUTES	RECOVERY TIME SECONDS
Maximum power consumption (at switch-on): 1885 watts				
	Printing (continuous operation at 70 pages/minute), monochrome	1096	immediately	immediately
	Ready	36.0	immediately	immediately
	Sleep	1.0	1.5 (0...119)	6
⏻	Off-mode (standby)	0.3	switch activated	–
	Disconnection from mains	0	e.g. pull out power plug	–

1 After the last print or copy job, the device switches over to electric power saving modes in several steps. By and by, electric power consumption is reduced in these modes. The device will switch over to the Ready mode first. Then the device switches over to Sleep mode after the delay time stated above.

2 Averaged value, measured without accessories.

3 Delay time is the time that elapses after the end of the printing or copying process until the device enters the respective mode. The figures in brackets indicate the user-selectable range within which delay times can be adjusted. The delay time values apply to all primary functions of the device: printing, copying.

TYPICAL ELECTRICITY CONSUMPTION (TEC) OF HP LASERJET MANAGED MFP E82670 (C20YTAV, CR5F9AV)

Measured with Blue Angel energy settings enabled, as stated in the table above. The typical electricity consumption (TEC) of HP LaserJet Managed MFP E82670 (C20YTAV, CR5F9AV) is 1.03 kWh/week.

TEC determined according to standard use cycle (per ENERGY STAR version 3.0), based on typical workplace dynamics (8 hours on each of the 5 workdays of a calendar week; 2432 pages printed per workday). Energy testing follows ENERGY STAR 3.1 protocol with the following Blue Angel specifics: A4 format paper and line voltage of 230V. For the standard use cycle according to ENERGY STAR version 3.0 for this device, the following values were used: 32 print jobs per working day, each with 76 pages, single-sided at monochrome printing (2432 pages/day).

* Germany, Austria, Switzerland, France, United Kingdom, Ireland, Sweden, Denmark, Finland, Norway, Belgium, Netherlands, Luxembourg, Italy, Spain, Portugal, Poland, Czech Republic, Slovakia, Slovenia, Hungary, Croatia, Romania, Bulgaria, Greece, Estonia, Latvia, Lithuania, Serbia, Türkiye, Israel, Morocco, South Africa

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