

Terms and Conditions relating to the Calculator

Terms and conditions

- This Calculator generates estimates of:
 - the cost of energy consumption during use of a competitor printer compared to a suggested Epson printer; and
 - based on electricity consumption only, kg of CO₂ generated from producing that electricity (kg of CO₂ per kwh).
- The estimates are for reference to help the user to visualise savings they may be able to make based on the key assumptions set out herein but with a “weather eye” on variables some of which are mentioned (though too numerous to list exhaustively).
- The Epson business inkjet printers are designed for the business market and therefore usages and figures are in line with typical business use. The Calculator is not designed to be used by retail consumers for domestic purposes.
- The Calculator reflects estimates for medium sized businesses.
- KWh values are for 2015 and refer to Eurostat data for medium-size business (as defined below).
- The Calculator is not designed to replace information that may be provided by a dealer or in the detailed specifications that come with any product.
- The Calculator is designed as a guide only. Although Epson has used reasonable endeavours to ensure the accuracy of the data on this site at the time of publication, no representations or warranties are made as to accuracy or currency of the data. Potential customers should take steps to verify the accuracy of important data which materially affects their business and should not seek to rely on the figures provided here.
- Details of the suggested Epson business inkjet printers (the “Selected Printers”) are as follows:

| NAME | MFP/SFP | COLOUR/ MONO | A3*/A4 | A4 MONO SPEED** (PPM) | A4 COLOUR SPEED** (PPM) | TEC VALUE (P/W) |
|------------------------------|---------|-----------------|--------|-----------------------------|-------------------------------|--------------------|
| WorkForce Pro WF-M5690DWF | MFP | Mono | A4 | 20 | | 0.596 |
| WorkForce Pro WF-M5190DW | SFP | Mono | A4 | 20 | | 0.512 |
| Workforce Pro WF-8590 DWF | MFP | Colour | A3 | 24 | 24 | 0.621 |
| Workforce Pro WF-8090 DW | SFP | Colour | A3 | 24 | 24 | 0.536 |
| WorkForce Pro WF-R8590D3TWFC | MFP | Colour | A3 | 24 | 24 | 0.621 |
| Workforce Pro WF-R8590 DTWF | MFP | Colour | A3 | 24 | 24 | 0.621 |
| WorkForce Pro WF-R5690DTWF | MFP | Colour | A4 | 20 | 20 | 0.604 |
| WorkForce Pro WF-R5190DTW | SFP | Colour | A4 | 20 | 20 | 0.512 |
| Workforce Pro WF-5690 DWF | MFP | Colour | A4 | 20 | 20 | 0.596 |
| Workforce Pro WF-5190 DW | SFP | Colour | A4 | 20 | 20 | 0.512 |
| WorkForce Pro WP-M4095DN | SFP | Mono | A4 | 16 | | 0.341 |
| WorkForce Pro WP-M4595DNF | MFP | Mono | A4 | 16 | | 0.453 |
| WorkForce Pro WP-4095DN | SFP | Mono | A4 | 16 | 16 | 0.323 |
| Workforce Pro WF-6090 DW | SFP | Colour | A4 | 24 | 24 | 0.5 |
| Workforce Pro WF-6590 DWF | MFP | Colour | A4 | 24 | 24 | 0.6 |

| NAME | MFP/SFP | COLOUR/ MONO | A3*/A4 | A4 MONO SPEED** (PPM) | A4 COLOUR SPEED** (PPM) | TEC VALUE (P/W) |
|--------------------------|---------|-----------------|--------|-----------------------------|-------------------------------|--------------------|
| WorkForce Pro WF-8010DW | SFP | Colour | A3 | 24 | 24 | 0.05 |
| WorkForce Pro WF-8510DWF | MFP | Colour | A3 | 24 | 24 | 0.057 |
| WorkForce Pro WF-5620DWF | MFP | Colour | A4 | 20 | 20 | 0.043 |
| WorkForce Pro WF-5110DW | SFP | Colour | A4 | 20 | 20 | 0.038 |

*Epson has an A3 colour printer, but not an A3 mono printer

**ISO speed 24711/24712. The range of printers has been limited to those with between 15-50 ppm speeds

- The user inputs a printer make & model. The Calculator suggests an Epson printer to compare to it. The Epson suggested printer will be one of the Selected Printers and, as such, there is a limited choice available to suggest for comparison. The Calculator determines this based on the closest available match to the comparative features of the Selected Printers above. Only those characteristics/features listed in the table above are included in the selection criteria.
- The user is not bound to use the automatically generated suggested Selected Printer. The user has the option to enter a different Epson printer but must understand that the characteristics and / or features of it will differ from the printer to which user wishes to compare it and the user should note that this difference may be significant.
- Power cost and Kg of CO₂ per kWh are estimates. Estimates will vary due to variables which include but are not limited to information provided by user.
- Calculations are based on key assumptions:
 - The Calculator makes use of data and models generated by third parties as detailed below.
 - It is aimed at medium size businesses (less than 250 employees and an annual turnover of up to EUR 50 million or a balance sheet total of no more than EUR 43 million).
 - The price for electricity is in € per kWh based on medium size industries rate for selected country (as provided by Eurostat 2015). Eurostat defines electricity prices for such industrial consumers as average national price in Euro per kWh without taxes applicable for the first semester of each year for medium size industrial consumers (Consumption Band Ic with annual consumption between 500 and 2000 MWh).
 - The user's electricity prices will most likely differ from such average national price. The Calculator allows the user to edit this field for convenience to input the user's actual electricity prices.
 - The measure of electricity is in Kw/hrs.
 - The source of printer information including brand name, model number, A3/A4, single/multi-function, pages printed per minute, whether it's mono/colour is based on information obtained from IDC EMEA Hardcopy Peripherals Tracker Q2 2015.
 - The energy consumption calculation is based on EU Energy Star method to calculate the weekly energy consumption.
 - Kg of CO₂ per kWh from electricity and heat generation values by country for 2010 are as per International Energy Agency (IEA) 2010.
 - British Pound to Euro exchange rate is set according to Bank of England and is updated at the same time as the Eurostat data for electricity costs.
- Please see below for more information in respect of the Calculator regarding calculations, sources & formulae.

| DATA | SOURCE |
|-------------------------------|--|
| Price in € per kWh | <p>Eurostat 2015</p> <p>http://ec.europa.eu/eurostat/tgm/refreshTableAction.do?sessionId=pM9Cch4dBUUnB2hryROXO_jvaz6GI0OvD4SDDLu9oqLcdXFBW5Szm!-220675382?tab=table&plugin=1&pcode=ten00117&language=en</p> <p>Medium size Business is defined by Eurostat as : <i>“having less than 250 persons employed. They should also have an annual turnover of up to EUR 50 million, or a balance sheet total of no more than EUR 43 million (Commission Recommendation of 6 May 2003).”</i></p> <p>kWh values are for 2015 and refer to Eurostat data for Medium size Business.</p> |
| kg of cO ₂ per kWh | <p>International Energy Agency (IEA) 2010</p> <p>http://www.sunearthtools.com/it/tools/CO2-emissions-calculator.php</p> <p>CO₂ emissions per kWh from electricity and heat.</p> <p>The emission of carbon anhydrite grammes CO₂ per kWh electricity produced, varies greatly among nations and depends on the mix of energy sources used to produce energy.</p> <p>CO₂ emissions per kWh from electricity and heat generation, consider the CO₂ emissions from fossil fuels consumed for electricity, combined heat and power and main activity heat plants divided by the output of electricity and heat generated from fossil fuels, nuclear, hydro (excl. pumped storage), geothermal, solar and biomass. Both main activity producers and auto producers have been included in the calculation of the emissions.</p> <p>If we considered only the production of electricity (no heat) values will be greater.</p> <p>Kg of CO₂ per kWh from electricity and heat generation values by country for 2010.</p> |

| DATA | SOURCE |
|---|--|
| Epson Tech Value kwh | EEB office, Epson Germany- Blue Angel Certified |
| Epson Sleep values | www.epson.co.uk |
| Competitor Printers details by market segment & territory | IDC EMEA Hardcopy Peripherals Tracker Q2, 2015, to which Epson will refer and update bi-annually |
| Competitor TEC & sleep values | <p>Energy Star 2015</p> <p>http://www.eu-energystar.org/products.htm</p> <p>This database contains only products that are available on the EU markets and qualified under the latest active ENERGY STAR specifications</p> |

| TO CALCULATE | FORMULAS |
|--|--|
| € cost of electricity per week | multiply kWh value of a the selected country by TEC value of the selected printer |
| € cost of electricity per year | multiply the weekly value by 52 (52 weeks in a year) |
| € cost of electricity per 3 years (life of printer) | multiply the yearly value by 3 |
| Conversion of € to local currency | <i>When exchange rates are updated this will be based on the exchange rates publicly available at http://www.xe.com/currencytables.</i> |
| kg of CO₂ per week | multiply the value of kg of CO ₂ per kWh of the selected country by the TEC value of the selected printer |
| Kg of CO₂ per year | multiply the weekly value by 52 (52 weeks in a year) |
| Kg of CO₂ per 3 years (life of printer) | multiply the yearly value by 3 |
| € cost of electricity saved per year | Subtract competitors € per year to Epson's € per year |
| € cost of electricity saved for 3 years (life of printer) | Subtract competitors € per life of printer to Epson's € per life of printer |

- In the event that the user's personal data is captured it will be processed in accordance with applicable local data protection laws and regulations and the Epson's privacy policy.
- The use of personal data may include informing you about Epson's products, services, events or other information that may be of interest to you if you have given your prior consent for this use on Epson's website. Each time you receive any promotional electronic communication, you will have the opportunity to opt-out by ticking the opt-out checkbox.