CUT F series

Energy Efficiency Certificate

<table>
<thead>
<tr>
<th>Operating mode</th>
<th>CUT x00 series (2015)</th>
<th>CUT F series (2023)</th>
<th>Energy saving %</th>
<th>Thanks to GF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby (4h)</td>
<td>2.7 kW</td>
<td>2.64 kW</td>
<td>-2%</td>
<td>1,3</td>
</tr>
<tr>
<td>Ready (4h)</td>
<td>2.75 kW</td>
<td>2.65 kW</td>
<td>-4%</td>
<td>1,3</td>
</tr>
<tr>
<td>Machining (16h)</td>
<td>5.25 kW</td>
<td>3.85 kW</td>
<td>-36%</td>
<td>1,2,3</td>
</tr>
<tr>
<td>Daily Energy Consumption</td>
<td>105.8 kWh</td>
<td>82.8 kWh</td>
<td>-28%</td>
<td></td>
</tr>
</tbody>
</table>

Measurements made on CUT F 600 in accordance with measurement standards as defined in ISO 14955

1 // Electrical cabinet
Improvement of the cooling system by replacing the 400 VAC fan with a 24 VDC speed-controlled fan.
Introduction of intelligent power generators (IPG) and use of most recent electrical components which are state of the art in term of energy efficiency.

2 // EDM technology
General process time reduction due to improvements given by the IPG on EDM technology especially in complex machining.

3 // Hydraulic pumps
The use of more energy-efficient pumps reduces the overall energy consumption.

Equivalent to 1 year of CO₂e emissions from

- 517,495 smartphones charged
- 17,551 kilometers driven by an average passenger car
- carbon sequestered by 70 tree seedlings grown for 10 years

Source: www.epa.gov

2025 // 40% reduction of daily energy consumption
2023 // CUT F series: Daily energy consumption reduced by 28%
2015 // CUT x00 series