MILL S U series

Energy Efficiency Certificate

<table>
<thead>
<tr>
<th>Operating mode (24h cycle time)</th>
<th>HSM U LP (2015)</th>
<th>MILL S U (2023)</th>
<th>Energy saving %</th>
<th>Thanks to GF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby (4h)</td>
<td>6.1 kW</td>
<td>5.2 kW</td>
<td>-17%</td>
<td>1,2,3</td>
</tr>
<tr>
<td>Ready (4h)</td>
<td>6.7 kW</td>
<td>5.9 kW</td>
<td>-14%</td>
<td>1,2</td>
</tr>
<tr>
<td>Machining (16h)</td>
<td>11.6 kW</td>
<td>10.2 kW</td>
<td>-14%</td>
<td>1,2,3,4</td>
</tr>
</tbody>
</table>

Daily Energy Consumption

- 237 kWh
- 207 kWh
- 13%

All measurements were made in accordance with measurement standards as defined in ISO 14955

1 // New control generation
The change to a new CNC, Heidenhain TNC 640, improves the control efficiency.

2 // Highly efficient exhauster system
The implementation of a Venturi nozzle in the exhauster system helps to significantly reduce the compressed air usage.

3 // Design
Several design changes, like switching to LED lights, also help improve the energy efficiency.

4 // ITC – Intelligent Temperature Control
The continuous improvements made on this software help compensate the temperature fluctuations and also significantly increase the already improved precision of the new generation of Milling machines.

Equivalent to, over 1 year greenhouse gas and CO₂ emissions from

- 674,993 smartphones charged
- 92 tree seedlings grown for 10 years
- 22,167 kilometers driven by an average passenger car

Source: www.epa.gov

2025 // 35% reduction of daily energy consumption
2023 // MILL S U series: daily energy consumption reduced by 13%
2015 // HSM U LP series