

MILL P U series

Energy Efficiency Certificate




Operating mode (24h cycle time)	HPM U (2015)	MILL P U (2023)	Energy saving %	Thanks to GF
Standby (4h)	6.8 kW	5.9 kW	-15%	1,2,3
Ready (4h)	8.2 kW	7.1 kW	-15%	1,2,3
Machining (16h)	12.9 kW	11.8 kW	-9%	1,2,3,4
Daily Energy Consumption	266 kWh	241 kWh	-9%	


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



562,494
smartphones charged



carbon sequestered by
76
tree seedlings grown for 10 years



18,472
kilometers driven by an average passenger car

Source:
www.epa.gov

