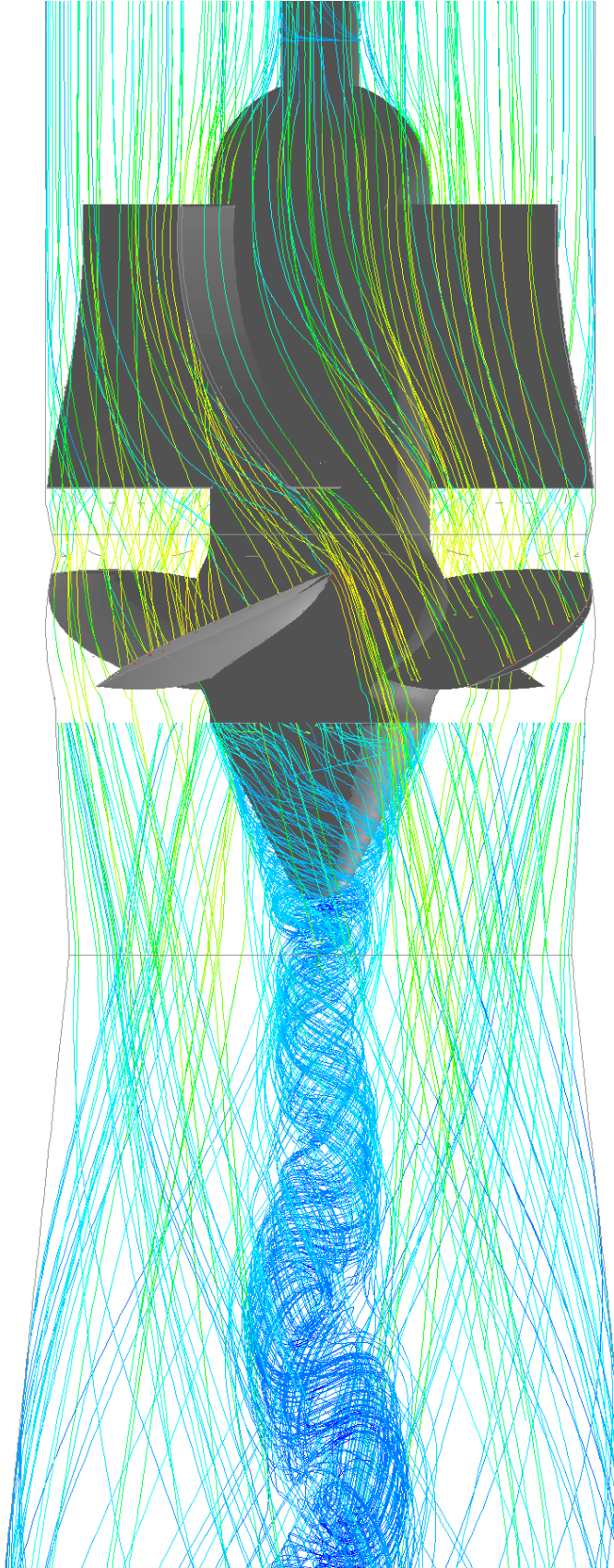
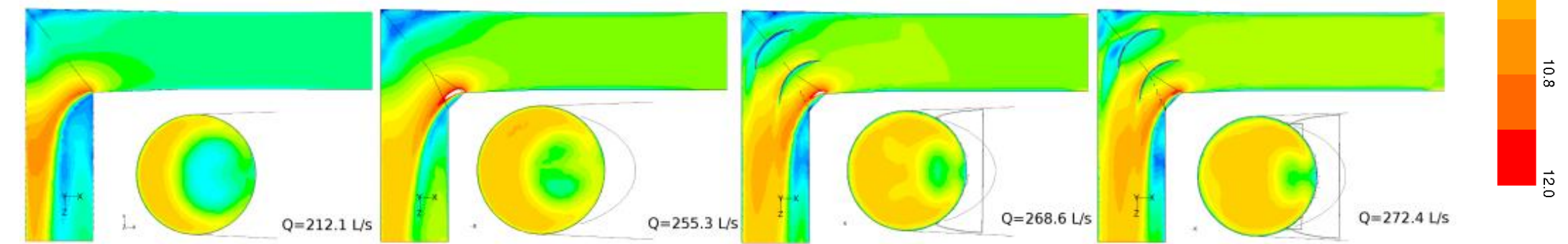


**CKQIE's PORTABLE** hydro power unit system is based on a deep understanding of power markets and our customers' needs. It is organized around several levers to maximize the return of assets over their entire lifecycle. The concept is especially developed for rural areas for harsh operation and limited maintenance.

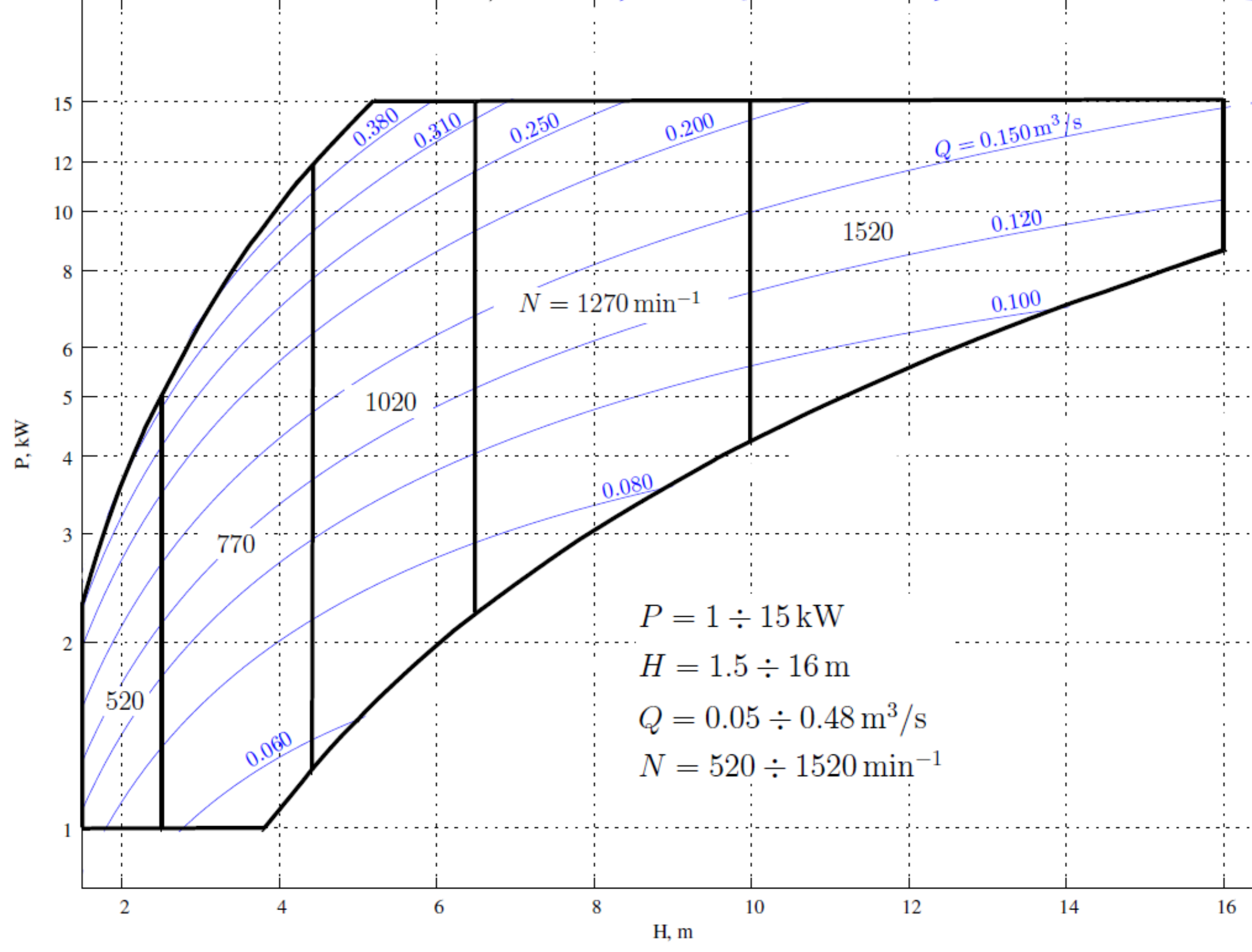
Competitive advantage of **PORTABLE** hydro power unit:

- wide output range ranging from 3 – 15 kW
- reliable through use of proven solutions
- low maintenance
- reduced construction costs
- suitable for off-grid operation

Turbine design is optimized to provide maximum efficiency and minimal production costs. Extensive use of all available up-to-date engineering tools and testing facilities enabled designers to select optimal solutions. Furthermore, innovative solutions applied in design and simplicity are guarantee for customer life-long satisfaction.



**Operating range of PORTABLE hydro power unit**



**PORTABLE** hydro power unit system main components



Main parts of the turbine

- 1 Tube
- 2 Inflow vanes
- 3 Turbine shaft
- 4 Guide vanes
- 5 Hydro turbine rotor
- 6 Turbine cover
- 7 Diffuser

**Turbine main guide bearing**



**Innovative solution for off-grid installation**

