

# TYPHOON™

MAG DRIVE PUMPS

a storm surge is upon us.

Typhoon™ Process Equipment from Wilden is creating a storm of change within the process industry. The Typhoon™ Mag-Drive pump surges ahead with the latest heat dissipation technology and five horsepower ratings to choose from. Typhoon™ Mag-Drive Pumps, offer some of the highest flow rates seen in the industry. Ultimately the Typhoon™ Mag-Drive pump will bring you increased productivity, reduce operational costs & downtime and provide peace of mind.

For process emergencies give Wilden a call today to find out more about the new Typhoon™ Mag-Drive pump.

- Superior heat dissipation technology
- Double end-supported ceramic shafts
- Five model sizes available
- PP, PVDF & ETFE liquid paths
- Seal-less design
- Compact footprint



### Flange Assembly

All models 1 Hp and up come with RF type adjustable flanges. The orientation of the flange can be varied to match corresponding bolt holes to facilitate piping installation. The new design can also help to eliminate leakage problems caused by flange deformation.

### Patented Buffer System

Our innovative dynamic buffer is specially designed to absorb vibrations and shock caused by adverse operating conditions. At the same time, the dynamic buffer is self-adjusting, allowing a better face-to-face contact between the thrust ring and the wear ring, thus minimizing wear and prolonging service life.

### Patented Dry-run Design

The revolutionized bearing design with dual-channel circulation on both inner and outer surfaces of the bearing contributes to rapid heat dissipation. The circulation leakage of the sealless pump is fully utilized to reinforce convectional heat transfer to thermally balance internal temperatures and prevent damage even under dry running conditions.

### Integrated CAD/CAE System

Using fully computer aided design and analysis to assist product development, modern design concepts help Typhoon products reach the highest technical levels in industry.

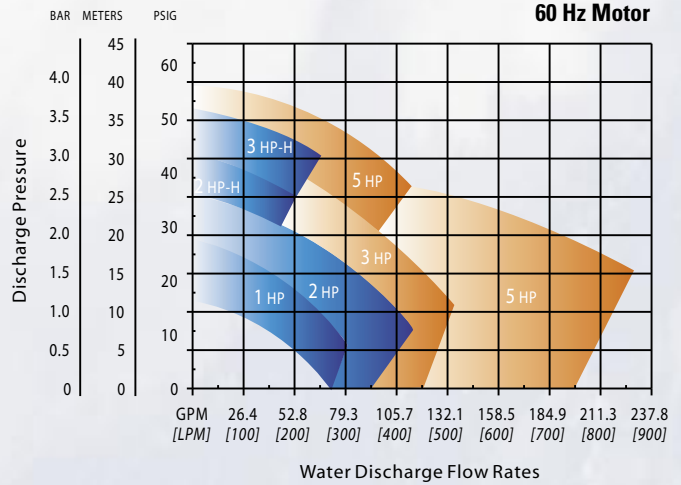
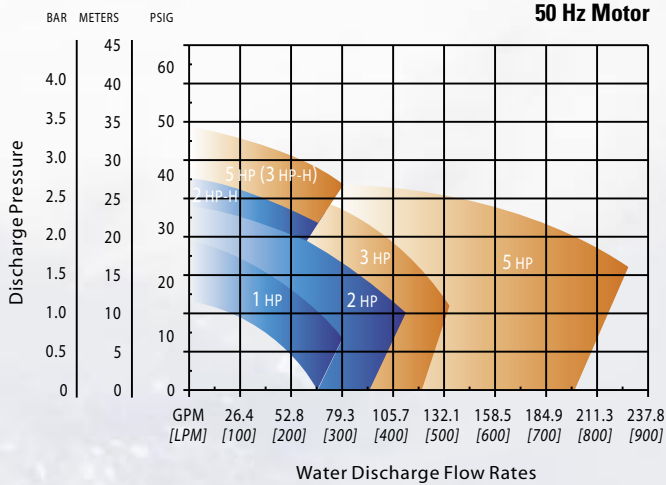
### High Performance Magnetic Coupling

We utilize magnetic field analysis to calculate magnetic torque and maximize magnet utilization to ensure sufficient torque margin to prevent decoupling.

### High Efficient Flow Design

The geometry of the impeller and casing are generated through a hydraulic design program. In addition, Computerized Fluid Dynamics (CFD) is used to control the fluid stream pattern, thus reducing hydraulic loss and increasing pump efficiency.

## Typhoon™ Pump Flow Capabilities



# WILDEN®

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