

MKPL

PFA Lined Magnetic Drive Chemical Process Pump



Sealless and magnetically driven, the MKPL pump is ideal to meet the stringent requirements of chemical processing and a multitude of other industries. This highly advanced and extremely energy efficient pump can handle corrosive fluids reliably and absolutely safely, especially even at high temperatures.

The casing has a thick, heavy-duty, corrosion- and permeation-resistant PFA lining positively, mechanically locked into the metal armour, ensuring vacuum resistance. This armour absorbs all mechanical stresses that can result from system pressure or piping nozzle loads.

Made of pure SSiC (sintered silicon carbide) in a robust design engineered for ceramics, the bearing assembly provides maximum reliability of pump operation. Plain and thrust bearings are secured with polygonal form-fit, self-centring anti-rotation devices.

The MKPL comes with either an open impeller for low NPSH or a closed impeller for high efficiencies. Featuring a metal core for increased mechanical strength, its plastic impellers are firmly secured to prevent loosening in case of reverse rotation.

This pump is constructed with just a few, robust components using an intelligent modular system that facilitates assembly and minimises the costs of spare parts, maintenance and servicing. Its connection dimensions and performance data conform to DIN EN ISO 2858, making the MKPL easy to retrofit into any installation to replace old pumps.

Configurations

Close-coupled, bearing-frame

Mounts

- Baseplate
- Horizontal

Casing materials

- Cast iron (GGG 40.3)/vacuum-tight PFA lining

Pump protection

- Containment shell leakage monitoring
- Pt100 temperature probe
- Engine load sensor

Industries, processes and fluids

Learn more about typical applications:





Technical data

Capacities (min./max.)	0.5 to 400 m ³ /h 2.2 to 1761.2 gpm
Heads (min./max.)	3 to 90 m 9.8 to 295.2 ft
Temperatures (min./max.)	-20 to +200°C -4 to +392°F
Kinematic viscosities	0.5 to 350 mm ² /s cSt
Solids handling	up to 10% solids concentration, depending on the pumped fluid

Directives and standards

EC Machinery Directive

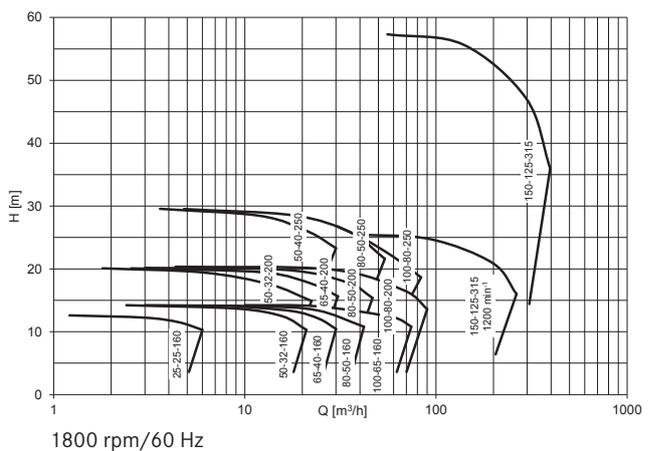
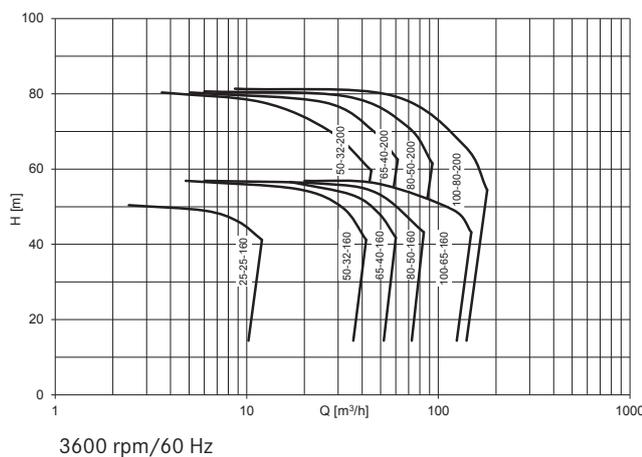
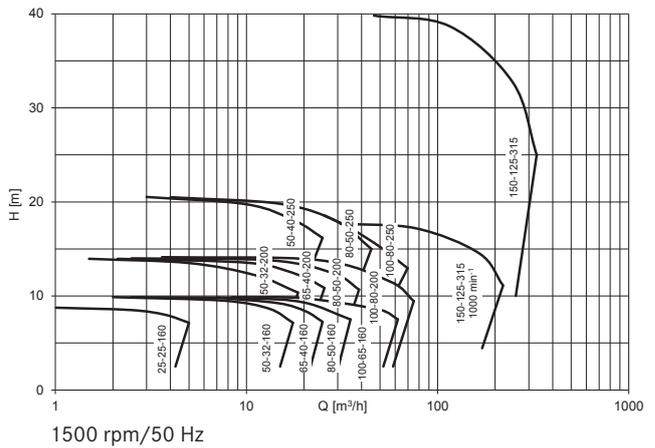
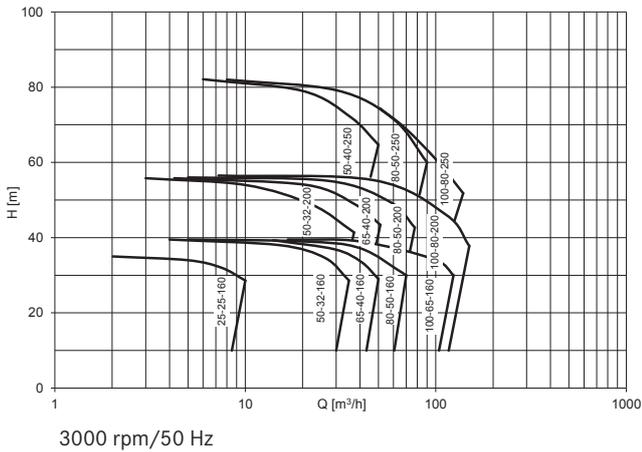
EC ATEX Directive

FDA 21 CFR §177

DIN EN ISO 2858

DIN EN ISO 5199

DIN EN ISO 15783



Find your local CP distributor on www.cp-pumps.com or contact CP directly:
+41 62 746 85 85/info@cp-pumps.com

