

ET

Ceramic Lined Double Mechanical Seal Chemical Process Pump



Fitted with a double mechanical seal, the ET 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 is built for reliability and absolute safety in handling corrosive and abrasive fluids with a high solids content.

The pump has a thick, heavy-duty, abrasion-, corrosion- and permeation-resistant ceramic lining securely attached to the metal casing. The use of engineering ceramic gives the ET outstanding chemical resistance. Its non-clog, wear-resistant open impeller delivers low NPSH and superior efficiency.

CP developed the FuturaMik[®] double mechanical seal system for handling fluids with a high solids content. Centrifugal force and the special pump design direct solids away from the mechanical seal. FuturaMik[®] is completely metal-free on the wetted side. Its external arrangement prevents the mechanical seal parts from clogging.

The ET is designed as a modular system constructed with very robust components. The pump shaft is located in an oil-lubricated bearing frame. A wide array of options is available for the ET.

Its connection dimensions and performance data conform to DIN EN ISO 2858, making the ET easy to retrofit into any installation to replace old pumps.

Configurations

Bearing-frame

Mounts

- Baseplate

Casing materials

- Cast iron (GGG 40.3)/ceramic lining

Pump protection

- Engine load sensor

Industries, processes and fluids

Learn more about typical applications:





Technical data

Capacities (min./max.)	0.5 to 300 m ³ /h 2.20 to 1320.9 gpm
Heads (min./max.)	3 to 70 m 9.8 to 229.7 ft
Temperatures (min./max.)	-20 to +150°C -4 to 302°F
Kinematic viscosities	0.5 to 350 mm ² /s cSt
Solids handling	highly suitable (abrasion-resistant pump chamber)

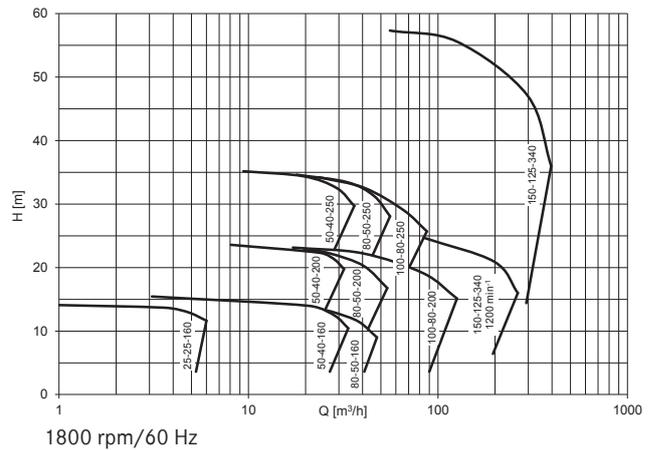
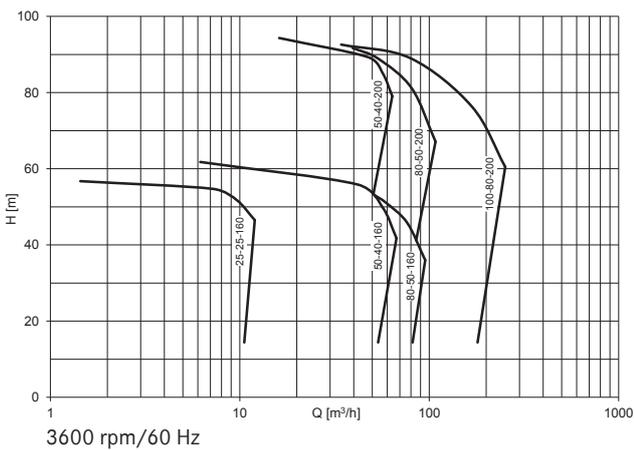
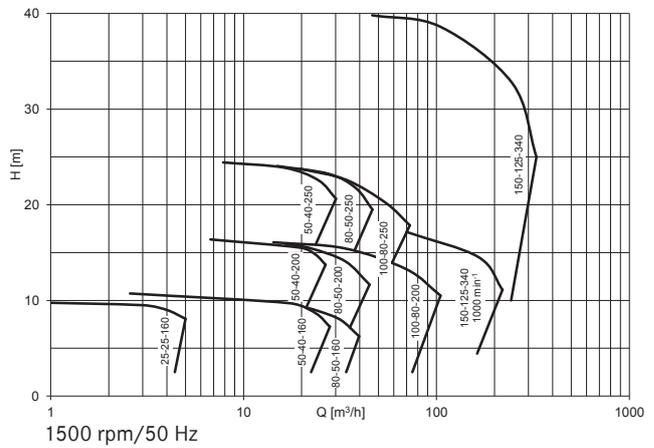
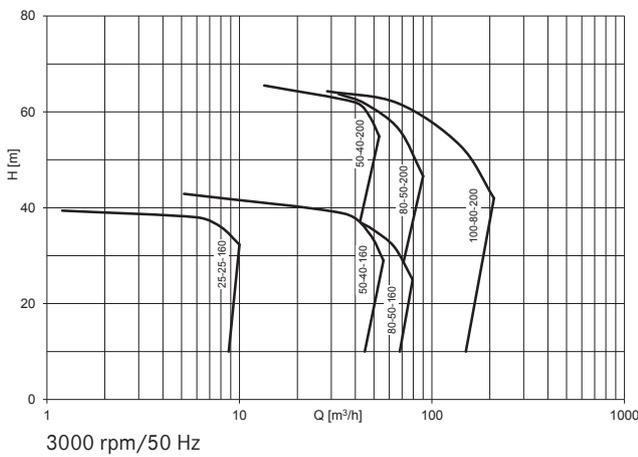
Directives and standards

EC Machinery Directive

EC ATEX Directive

DIN EN ISO 2858

DIN EN ISO 5199



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