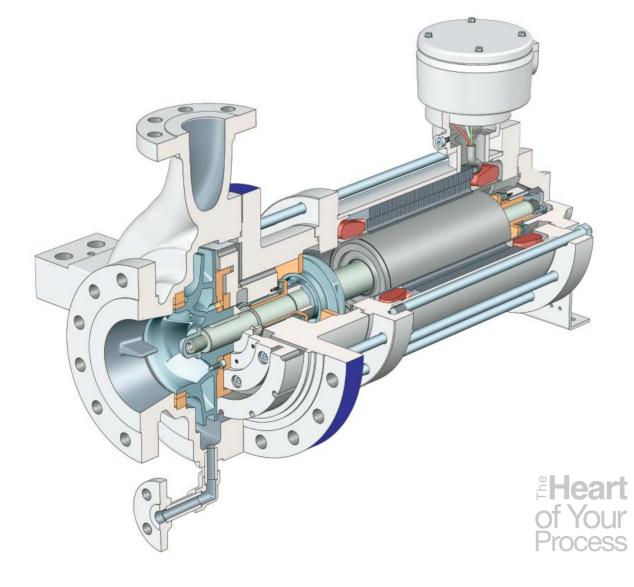


OHC Process Pump API 685 Canned Motor



Design Features and Benefits



- Centerline mounted, self venting
- Interchangeable with OHH and
- OHM pumps
- Nominal 50 Bar, 740 psig design
- 300# RF flanges; DIN/ISO PN 40 or PN 64 optional
- Designed for 2 times API 685
 nozzle loads

Casing Cover/Intermediate Lantern

Modular design

 Provides easy adaption of different canned motor sizes and types

Auxiliary Impeller

 In rotor chamber for handling liquids with higher vapor pressure or for cooling circuit in heat exchanger pumps (optional)

Impeller

- Over 70 different hydraulics
- · Enclosed for high efficiency
- Dynamically balanced
- 11,000 Nss standard
- Optional low NPSH designs available

Throttle Rings

Wear Rings

and OHM

hardfaced

Replaceable wear rings designed for lowest wear
Front casing and impeller wear rings interchangeable with OHH

· Residual thrust balance device

Material combinations per API 685
Chrome or Stainless Steel against

- · Self compensating
- · Easily replaceable throttle rings

Rotor Unit

0

- With overhung mounted impeller
- · Lowest radial deflection thanks to long
 - bearing distance
- · Hydraulically balanced

Bearings

- Product lubricated slide bearings
- Tungsten Carbide against Silicon Carbide for lowest wear
- Designed to API 685 requirements

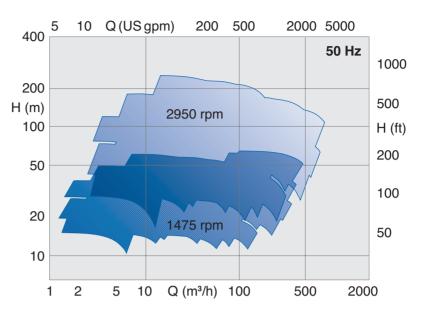
Primary and secondary containment

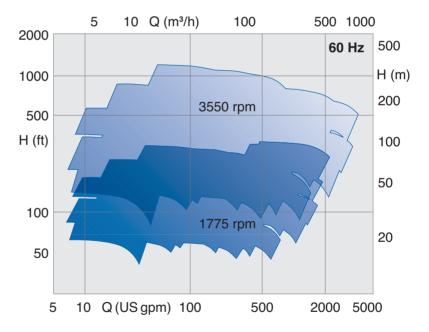
- Considered the most reliable form of pressure containment in sealless pumps
- Designed to ASME and API 685
 standards
- Carbon Steel secondary designed for full pressure
- Hastelloy stator liner for low losses
- No control required due to static sealing

Temperature Monitoring

- Temperature monitoring of partial flow (optional)
- Easy and effective installation

Performance Range





Bearing Cover Axial position monitor is optional

Electrical Canned Motor

- High efficiency electrical canned motor in insulation class H or C
- Fully compliant with Ex Proof regulation of ATEX
- Temperature control in winding (for overload monitoring) optional

Operating Data

Pump Sizes	25mm to 200mm	1 to 8 inches
Capacities	up to 700 m³/h	up to 3,100 usgpm
Heads	up to 330 m	up to 1,100 feet
Pressures	up to 52 bar	up to 740 psi
Temperatures	up to +425°C	up to +800°F



Sulzer Pumps

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