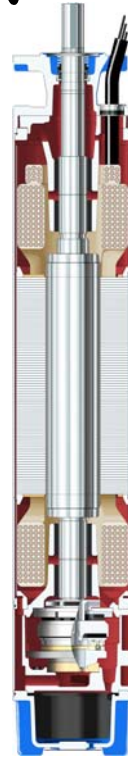


COMING UP . . .



. . . the new MI10.

Stainless steel sand guard

for very corrosive respect. abrasiv media (optionally)

Cable cross section

for up to 50 mm² leads

Cooling impeller

250% more effective cooling circuit

New thrust bearing

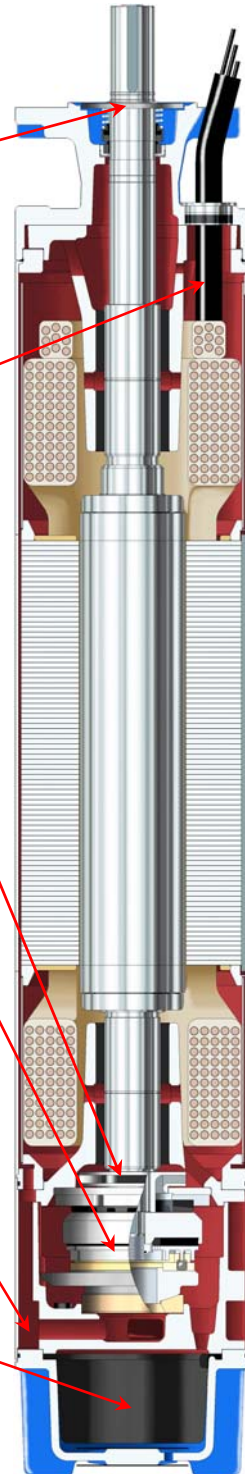
stainless steel tilting pads, enforced bearing plate with a hard carbon layer

Cooling of the thrust bearing

300% increase of water volume within the bearing housing

Diaphragm

60% volume increase

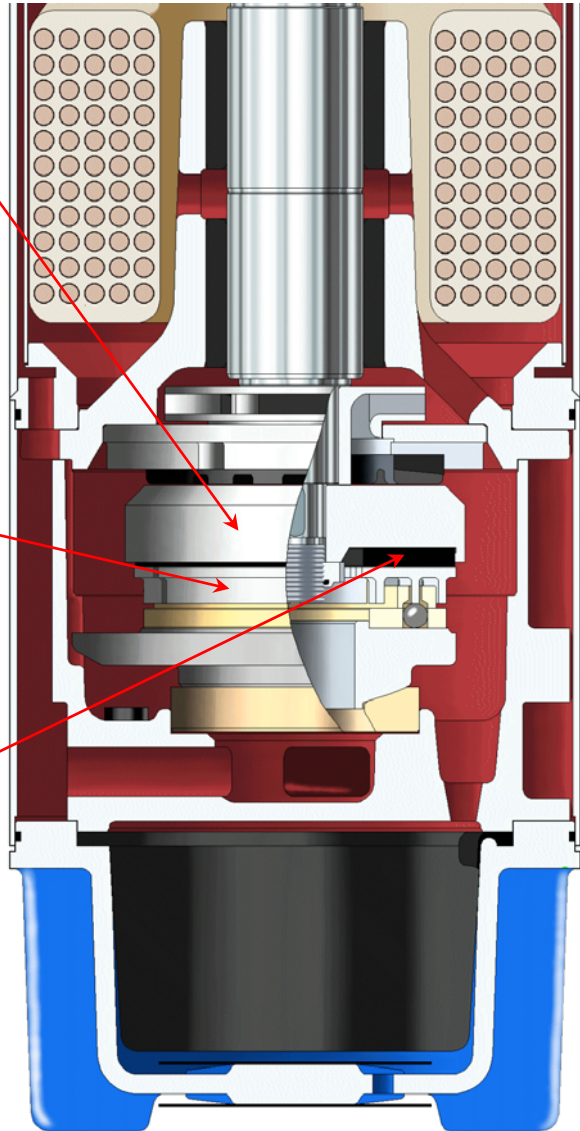


Reinforced bearing plate

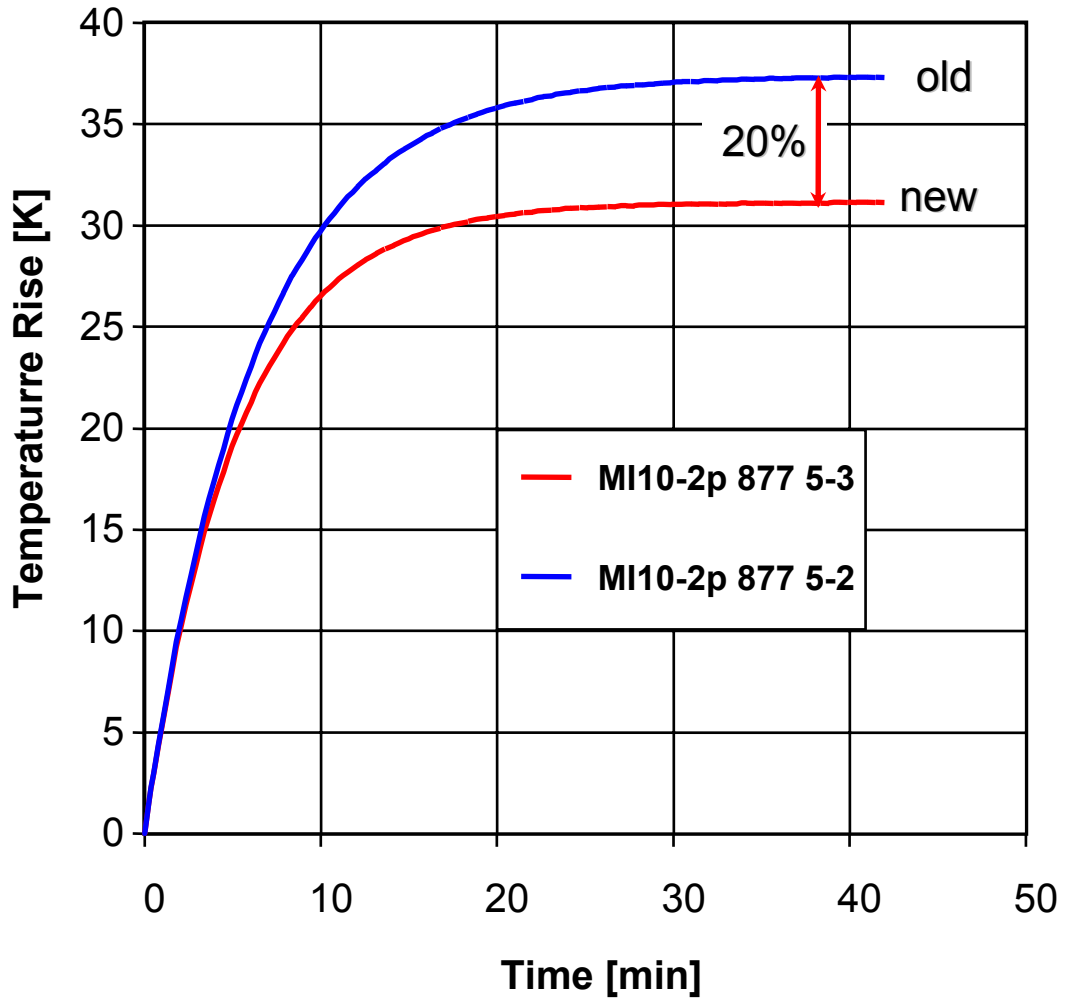
stainless steel, junction of steel and carbon without binding (interference fit)

Hardened steel pads tilting

Hard carbon layer no bindings, no antimony



- best properties at mixed friction oper.
- low trip speed
- low minimum speed
- high temperatur resistance
- high wear resistance
- high water hammer resistance

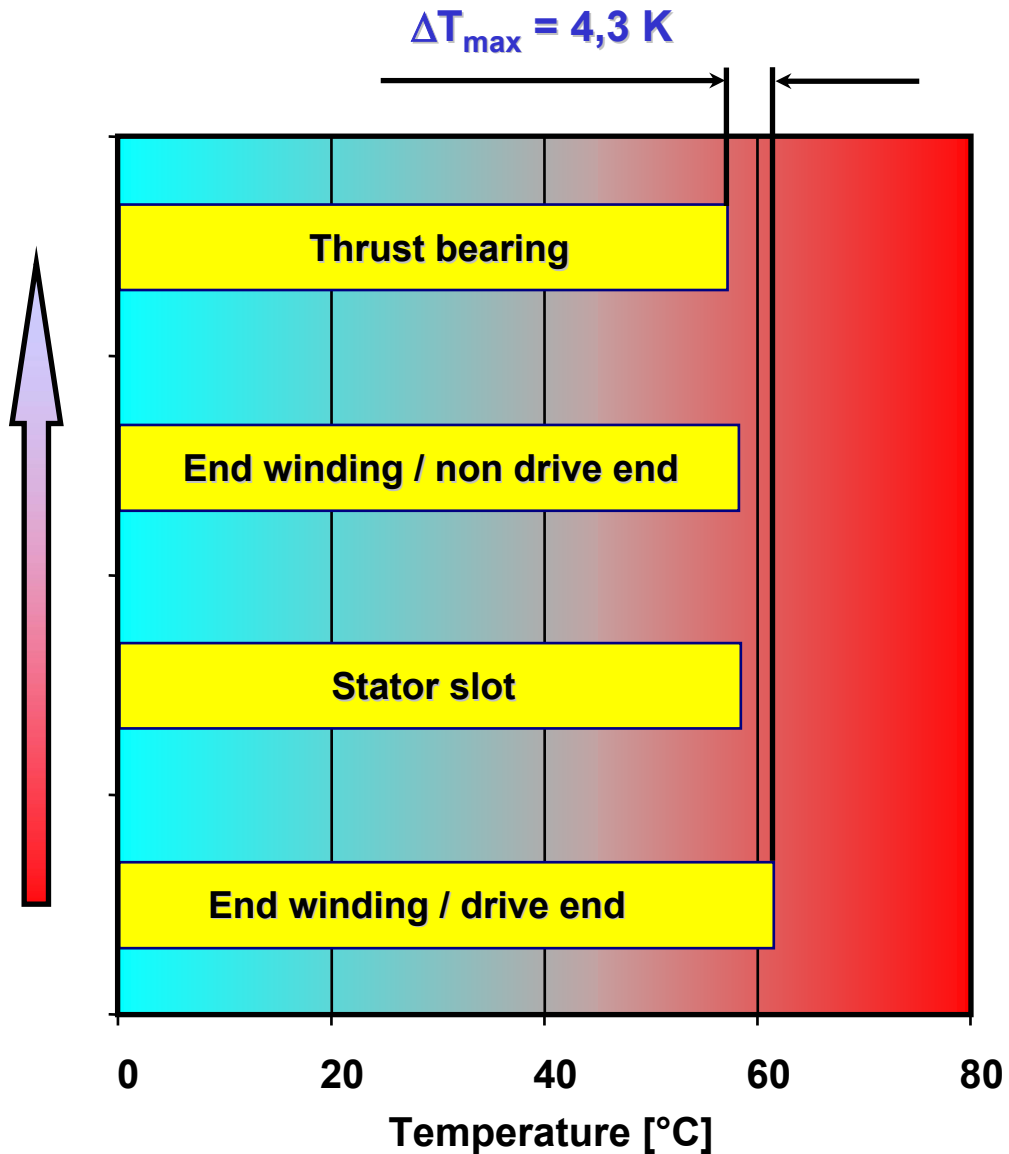


Comparison of temperature rise

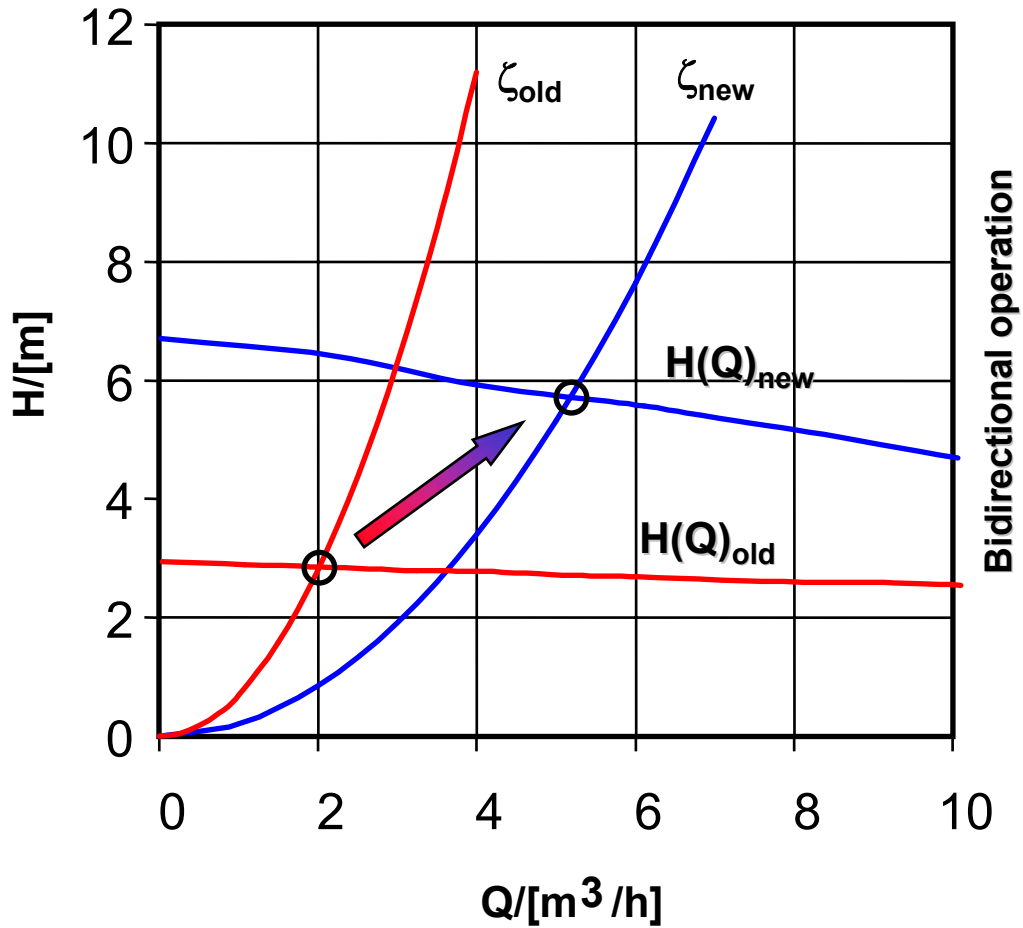
MI10-120-2 / 230 kW / 400 V / 50 Hz / 0,5 m/s / 30 °C

new  **old**

MI10-120-2 / 230 kW / 400 V / 50 Hz / 0,5 m/s / 30 °C



Small temperature differences due to effective cooling circuit



New cooling impeller / d = 105 mm / No. 877 207 007

Old cooling impeller / d = 86 mm / No. 877 207 004

..... **Test rig**

———— **Installation MI10**