

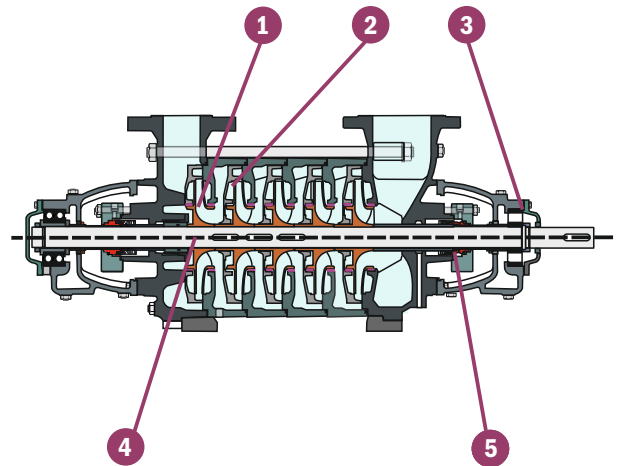


Centrifugal Pumps

TK - TKR - TKV Range Multistage High Pressure Water Pumps

DESIGN SUMMARY

Standards	ISO 9908, 9906 II, 7005-2
Configuration	Horizontal long coupled
Motors	IE2, IE3, IE4, NEMA
Seal Type	Single mechanical



SPECIFICATIONS

Maximum Temp	130 °C
Minimum Temp	-10 °C
Max Flow	800 m ³ /hr
Max Head	640 m
Max Pressure	64 bar total system
ATEX	Yes

MATERIALS

	Standard	Options
Rear Casing	Cast Iron	SS, Duplex, S Dup
Front Casing	Cast Iron	SS, Duplex, S Dup
Impeller	Cast Iron	Bronze SS, Duplex, S Dup
Shaft	AISI 420	SS, Duplex, S Dup
Seal	SiC/SiC/NBR	SiC/SiC/Viton SiC/SiC/EPDM

DESIGN FEATURES

TK and TKR pumps boast over 40 years service history. They have been designed to be robust and offer high pumping efficiency and low NPSH requirements.

- 1 Dynamically balanced impellers without balancing holes susceptible to blockage.
- 2 Thrower to reduce condensation formed on the shaft from passing into the bearings.
- 3 Oil lubricated bearings available on TRK range models.
- 4 Robust oversized shaft to give good rigidity.
- 5 Mechanical seals SiC/SiC/NBR as standard with options for alternative types.

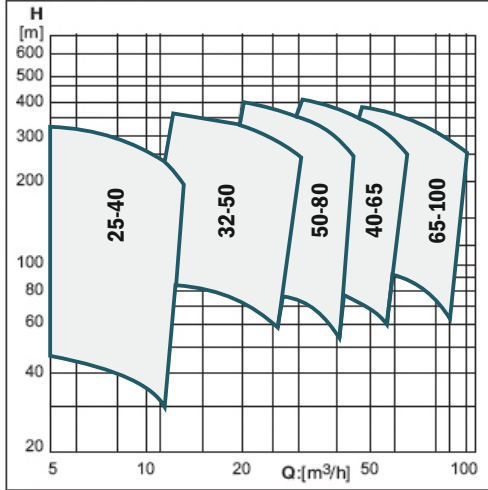
The TK and TKR ranges are complimented by the TTK for higher head and flow applications.



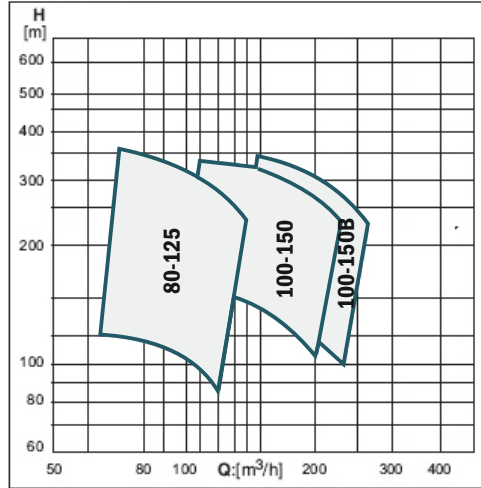
TK - TKR Performance Curves

50 hz

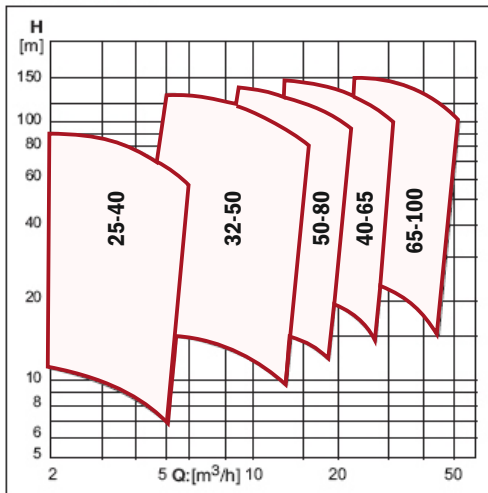
2 Poles/50Hz



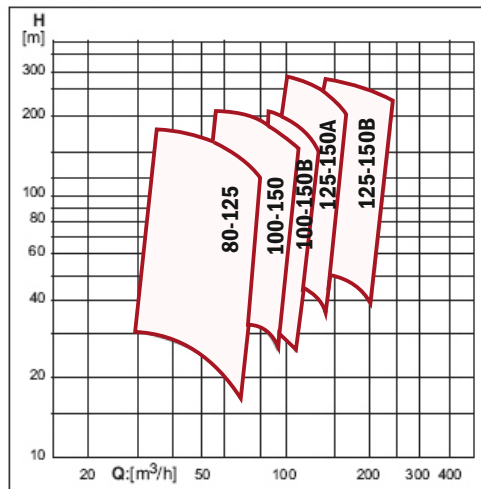
2 Poles/50Hz



4 Poles/50Hz



4 Poles/50Hz



4 Poles/50Hz

