

TMP Series

Magnetic Drive Process Pump – API 685 2nd Edition (OH2)

In recent years, environmental regulations have become more restrictive and severe forcing process industries to take necessary steps to eliminate leakage from equipment. Magnetically driven pumps have provided significant progress toward compliance with these regulations.

The **TRUFLO® TMP Series** of magnetically driven pumps provide a zero-leakage solution. Containing very few parts, **TMP Series** pumps are designed for easy and low cost maintenance, as well as excellent interchangeability.

All **TMP Series** pumps conform to API 685 2nd edition requirements. This series has a broad range of available sizes and materials.

FEATURES

- ⚙️ Designed to meet API 685 2nd ed.
- ⚙️ Temperatures up to 570°F (300°C)
- ⚙️ Power up to 300 hp x 3600 rpm
- ⚙️ Flows to 2640 gpm (600 m³/h)
- ⚙️ Head to 1120 ft (340 m)
- ⚙️ Fully enclosed impeller by investment casting
- ⚙️ Standard Sm2Co17 magnet
- ⚙️ Easy Maintenance

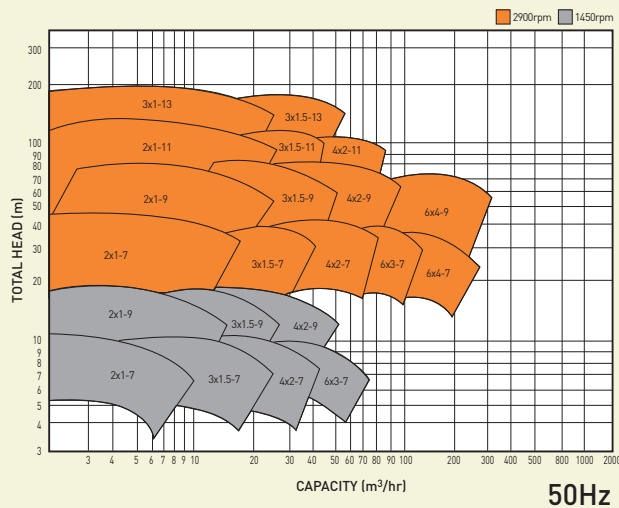
APPLICATIONS

- ⚙️ Hard to seal fluids
- ⚙️ Zero emission requirements
- ⚙️ Hazardous fluids
- ⚙️ Retrofits of sealed pumps

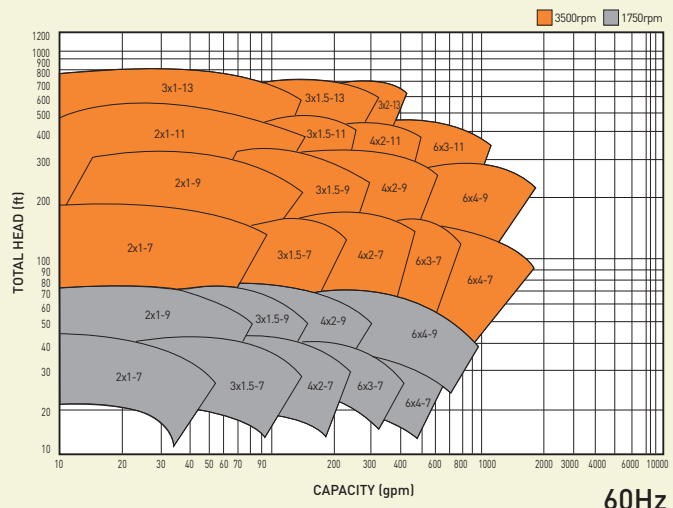
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Performance Curves

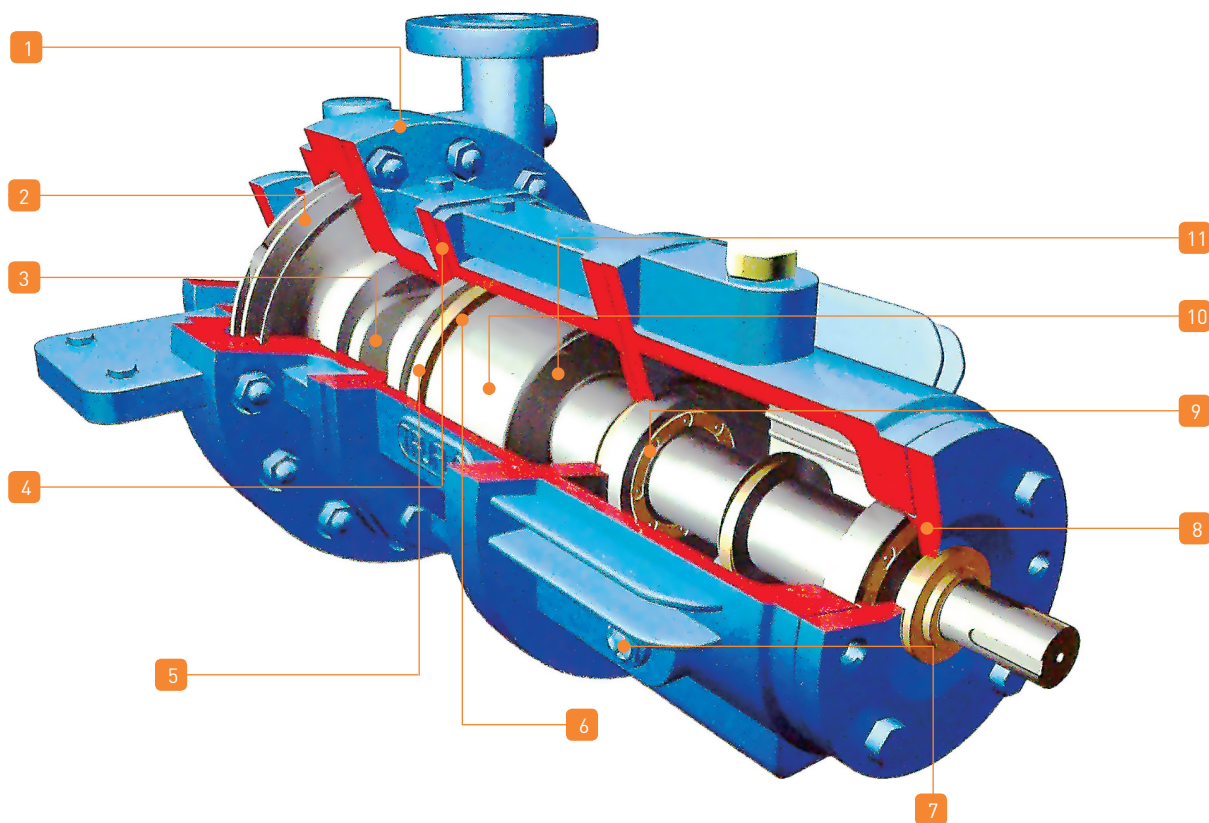
These diagrams are for reference only and subject to change without prior notice. Please consult factory for exact performance curves.



50Hz



60Hz



1. CASING

Standard 300lb RF flanges.
Tangential discharge.

2. IMPELLER

Fully enclosed type.
Investment casting.

3. JOURNAL BEARING

Standard material - Silicone Carbide.

4. REAR CONTAINMENT SHELL

Wide choice of material depending on application.

5. SAFETY DEVICE

Protect rear containment shell damage by outer magnet in case of bearing failure.

6. SECONDARY CASING

Secured liquid in case of primary casing failure.

7. TEMPERATURE DETECTOR

Monitoring rear containment shell temperature.
Other protective sensor-like leakage sensor are available.

8. BEARING FRAME

9. OIL SEAL

Special designed labyrinth type oil seal.

10. OUTER MAGNET ASSEMBLY

Strong rare earth magnet (Sm₂Co₁₇).
Maximum operating temperature: 570°F (300°C).

11. INNER MAGNET ASSEMBLY