EBARA

Ahead > Beyond

End Suction Permanent Magnet

Canned Motor Pumps

CANNED MOTOR PUMP



SEAL-LESS TECHNOLOGY



Features:

- **Seal-less Canned Motor Design**
  Eliminates mechanical seals and external shaft sealing.
- **Permanent Magnet Motor**
  High efficiency motor technology for continuous duty operation.
- **VFD Compatible**
  Supports variable speed operation and system demand control.
- **Single Stage End Suction Design**
  Compact centrifugal hydraulic configuration for liquid circulation.
- **High Efficiency Operation**
  Optimized motor and hydraulic performance for reduced energy consumption.
- **Low NPSH Option Available**
  Supports applications with limited suction pressure.
- **Broad Fluid Compatibility**
  Suitable for multiple cooling fluids based on system requirements.
- **Multiple Connection Options**
  Flanged, Victaulic, Tri-Clamp

Benefits:

- **Reduced Leak Risk**
  Seal-less construction removes a primary potential leakage point.
- **Lower Maintenance Requirements**
  Eliminates mechanical seal inspection, replacement, and related servicing.
- **Improved Energy Efficiency**
  Permanent magnet motor technology and variable speed control help reduce power consumption.
- **Precise Flow Control**
  VFD operation is required and allows pump performance to match changing cooling demand (VFD not included).
- **Reliable Continuous Operation**
  Designed for demanding thermal management and circulation systems.
- **Flexible System Integration**
  Broad operating range supports multiple liquid cooling architectures.
- **Supports High Density Cooling**
  Designed for applications requiring efficient heat removal and controlled coolant circulation.

Liquid Cooling Applications

- ***Single Phase Direct to Chip Cooling***
- ***Two Phase Direct to Chip Cooling***
- ***Rear Door Heat Exchangers***
- ***Single Phase Immersion Cooling***
- ***Two Phase Immersion Cooling***
- ***Coolant Distribution Units***
- ***Secondary Cooling Loops***
- ***High Density Data Center Thermal Management Systems***

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