

## 1 Pump casing 泵体

- Double volute design significantly reduces the radial force and the weight of the pump. The weight is reduced by up to 30% compared to well-known international marine pumps;
- Multiple materials available;
- Horizontal installation available;
- 双蜗壳设计，大大减小泵的径向力和泵壳的重量，比知名国外船用泵重量减少最大达到30%；
- 多种材料可以选择；
- 可卧式安装；

## 2 Mechanical seal 机械密封

- Various mechanical or packing seal available;
- Max. temperature of the mechanical seal structure is up to 220°C;
- Patented anti-particle mechanical seal protection;
- 多种机封密封或填料结构可选择；
- 机封结构最高温度可达220°C；
- 专利防污机封保护；

## 3 Wear ring 口环

- Multiple materials available to ensure the longest service life and lowest wear
- 多种材料可选择，以确保最长的使用寿命和最低的磨损

## 4 Impeller 叶轮

- Optimized hydraulic model (high-order equation G2-A surface design method) to improve efficiency and cavitation performance; in conformance with MEI0.7 European energy-saving standards; efficiency is about 5% higher than well-known international marine pumps;
- Modularized for vertical self-priming pump configuration;
- 全新优化的水力模型（高阶方程G2-A面设计方法），提高了效率和汽蚀性能，全部满足MEI0.7欧洲节能标准，比知名国外船用泵效率提高约5%；
- 可模块化用于立式自吸泵配置；

## 5 Bearing 轴承

- Modular configuration of heavy-duty and light-duty bearings is optional, without changing pump and motor stand size, and is always easy to maintain
- 模块化配置的重载和轻载轴承可选，不改变泵、电机支架安置尺寸，始终保持方便拆卸特点

## 6 Motor stand 电机支架

- The unchanged stand is used for all configuration options, such as heavy load, light load, single mechanical seal, double mechanical seal, self-priming, while keeping high stability and frame structure without affecting site installation;
- The height of the motor stand is about 20% lower than that of other manufacturers, and the removal of the pump seal and impeller does not require the removal of the motor stand;
- 唯一不变的支架可用于所有配置选项，如重载、轻载、单机封、双机封、自吸，高稳定和框架结构都不变，从而对客户现场配置的改变不会带来影响；
- 电机支架高度比其它厂家高度低约20%，并且拆卸泵机封和叶轮不需要拆卸下电机支架；

## 7 Coupling 联轴器

- Easy to maintain due to the design of coupling with intermediate joint
- 带中间节的联轴器结构，便于拆卸和维护

