

SADO

SUBMERSIBLE SEWAGE PUMP



Overview

The REINHA SADO Series is a robust and high-performance submersible sewage pump engineered for the reliable transfer of wastewater, sewage, sludge, and contaminated liquids containing suspended solids. Designed for continuous operation in demanding environments, the SADO Series combines advanced hydraulic technology, durable construction, and exceptional operational reliability. With optimized hydraulic efficiency and a clog-resistant impeller design, the SADO Series delivers dependable performance while minimizing maintenance requirements and operating costs. Its compact submerged installation eliminates priming issues and ensures stable operation even under fluctuating liquid levels. Whether for municipal wastewater systems, industrial facilities, commercial buildings, or infrastructure projects, the REINHA SADO Series provides a trusted solution for efficient wastewater management.

Pump Structure Design

The REINHA SADO Series is designed with a rugged construction to ensure long service life under harsh operating conditions.

Key Structural Features:

- **Heavy-Duty Cast Iron Construction** High-strength cast iron casing and motor housing provide excellent resistance to abrasion, impact, and corrosion.
- **Non-Clog Hydraulic Design** Specially engineered impeller allows smooth passage of solids and fibrous materials, reducing blockage risks.
- **Double Mechanical Seal System** High-quality mechanical seals operate within an oil chamber, providing superior protection against water ingress and extending seal life.
- **Premium Motor Protection** Integrated thermal protection safeguards the motor from overheating and abnormal operating conditions.
- **Corrosion-Resistant Shaft** Stainless steel shaft ensures excellent mechanical strength and long-term reliability.
- **Submersible Motor Technology** Water-cooled motor design provides efficient heat dissipation for continuous-duty operation.
- **Leakage Monitoring Capability** Optional moisture and leakage sensors enhance operational safety and predictive maintenance.

The REINHA SADO Series is developed using advanced hydraulic design principles to deliver optimum performance across a wide operating range. Available in a comprehensive range of capacities and heads, the SADO Series can be configured to meet diverse project requirements, from small commercial installations to large-scale municipal wastewater systems.

Designation

SADO - 80 SW/SWS-PRO 65-15-5.5

Discharge Diameter 80 mm

"SW" cast Iron and "SWS" Stainless steel Material

Non Cutter

Rated Flow (m³/h)

Rated head (m)

Motor Power (kW)

Application

Water Management

- Wastewater treatment plants
- Sewage lift stations
- Drainage pumping stations
- Public utility systems

General Industry

- Dewatering applications
- Tunnel drainage
- Excavation water removal
- Civil engineering projects

Building Service

- Basements
- Shopping malls
- Hotels
- Office towers

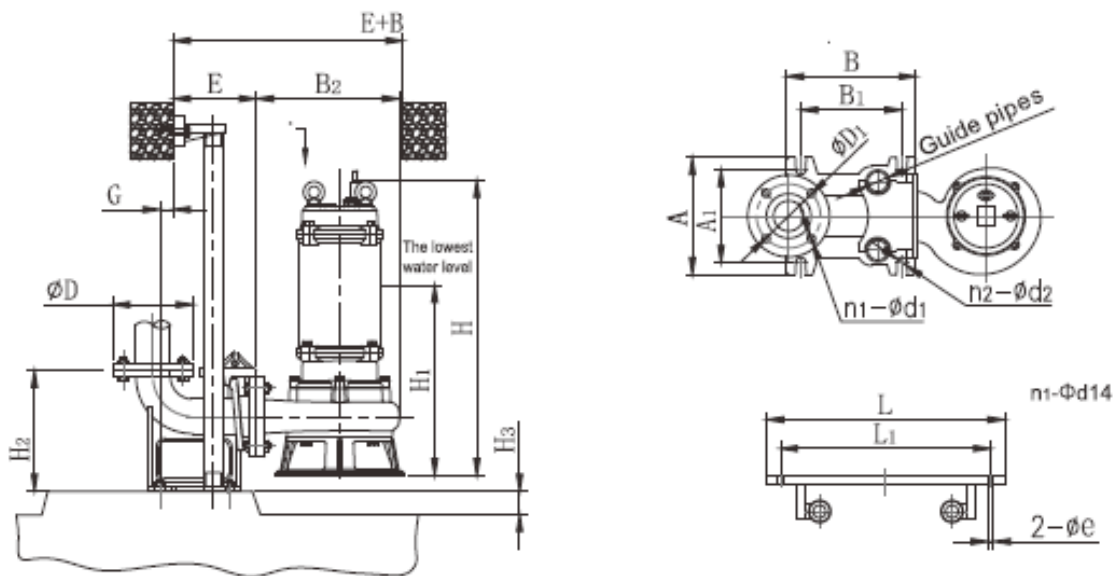
Product Advantages

The REINHA SADO Series is developed using advanced hydraulic design principles to deliver optimum performance across a wide operating range. Why Choose REINHA SADO?

- **Non-Clog Performance:** Special impeller design minimizes blockage and downtime.
 - **Superior Reliability:** Designed for continuous operation in harsh wastewater environments.
 - **Long Service Life:** Premium materials and robust construction reduce wear and maintenance costs.
 - **Energy Efficient:** Optimized hydraulic performance lowers operational expenses.
 - **Easy Installation:** Compact design suitable for guide rail systems and automatic coupling arrangements.
 - **Enhanced Motor Protection:** Advanced sealing and protection systems improve operational safety.
 - **Low Maintenance Requirements:** Durable components reduce maintenance frequency and lifecycle costs.
 - **Product Range available** with maximum flow up to 3100 m³/h and maximum head up to 70 meters.
- the SADO Series can be configured to meet diverse project requirements, from small commercial installations to large-scale municipal wastewater systems.

PRODUCT INSTALLATION

Fixed with connection foot: this installation includes foot, guide pipes, chain, etc. this connection allows for quick removal and installation of pumps from the system during maintenance.



Removable installation with base frame

