Amacan S

Submersible Pump in Discharge Tube

- Irrigation pumping stations
- Stormwater pumping stations
- Raw and clean water transport in water works
- Cooling water pumps in power stations and industry
- Industrial water supply
- Water pollution control
- Flood control
- Pumps for docks and locks
- Aquaculture

AmaControl protection module for water and waste water products

More information
www.ksb.com/en-gb

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Materials

Component	Material
Pump casing	Grey cast iron
Motor housing	Grey cast iron
Shaft	1.4021.05/1.0457.05
Impeller	Duplex steel
Casing wear ring	Stainless steel
Screws, bolts and nuts	A 4

Operating data

Characteristic		Value
Flow rate	Q [l/s]	≤ 3000
	Q [m^3/h]	≤ 10800
Head	H [m]	≤ 40
Motor rating	P_2 [kW]	≤ 420
Fluid temperature [1]	T [°C]	≤ +40

Benefits

■ **Robust and undemanding**

- Direct drive by three-phase motor ensures a high level of power transmission.
- The motor is cooled by the fluid handled, providing reliable heat dissipation.

■ **Easy to install**

- The pump's own weight ensures self-centring seating in the discharge tube, sealed by an O-ring.
- No additional anchoring or anti-rotation elements are needed, making installation and removal much easier.

■ **Economically efficient**

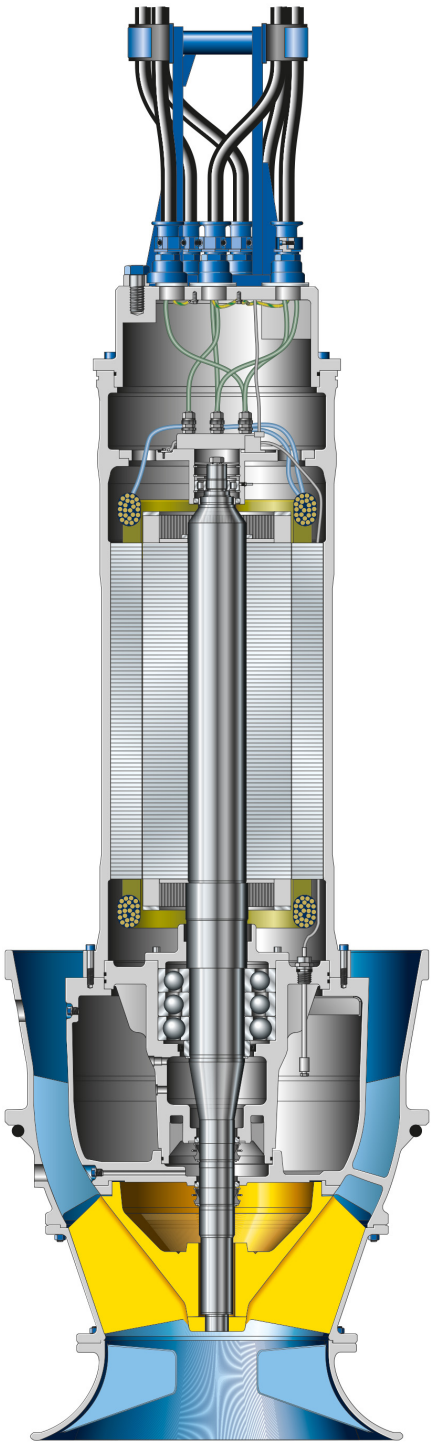
- The slim motor design ensures extremely low flow losses in the piping.

■ **Increased operating reliability**

- Bearing temperature, motor temperature and leakage are monitored by integrated sensors.
- The mechanical seal system is equipped with a leakage monitoring system.

■ **Flow-optimised hydraulic system**

- The optimised flow passage ensures low vibration levels during operation.
- Inlet ribs and an adapted bellmouth provide a vortex-free inflow.



1 Higher temperatures on request

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