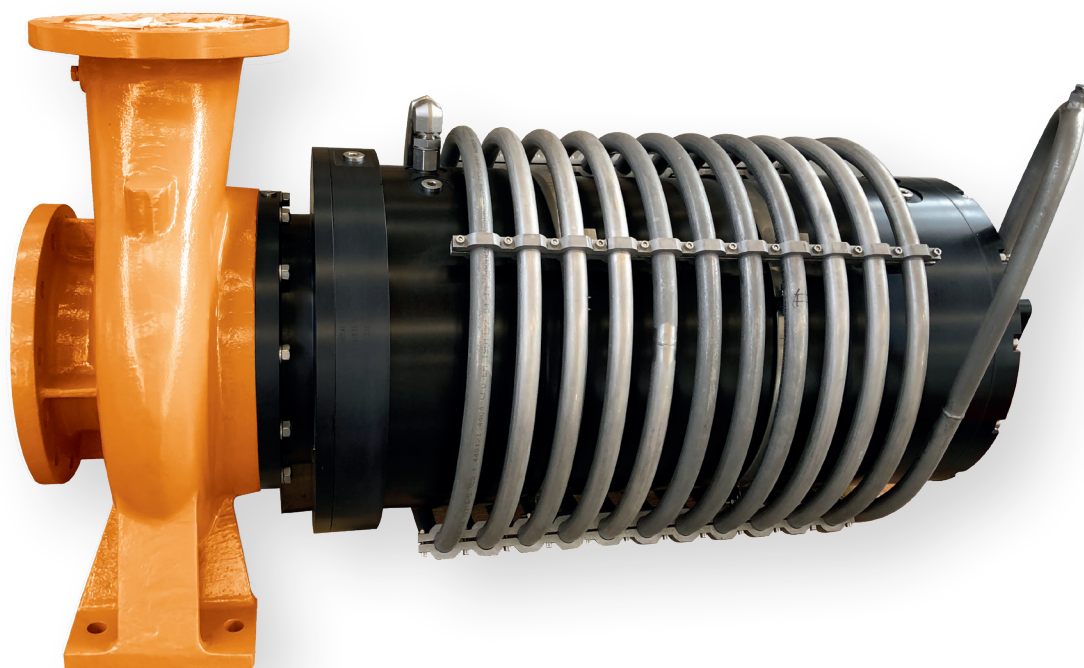


Datasheet

Product: SEARISE ® ECS – SUBSEA SEAWATER PUMP

Revision: 1



The Searise ECS Solution:

Electrically driven heavy-duty centrifugal pump optimized for pumping seawater, light slurries and other low viscosity fluids, beneath the sea level. State-of-the-Art coating system, triple mechanical seal barrier system and easy maintainable norm pump wetend.

Reliable oil filled subsea motor with cooling coil and circulation impeller, to maintain optimal oil temperature even at constant full load. Separate oil filled front cavity to secure the motor oil from seawater ingress. Ambient pressure compensated.

The Basics:

Pump design	Close-coupled, single stage centrifugal	Operating depth	0 – 3500 meter
Cooling & barrier fluid	Light hydraulic oil	Power	0 – 500 kW
Flowrate**	0 – 1600 m ³ /h	Weight in air	500 – 1200 kg (Size dependent)
Developed head**	0 – 160 meter	Materials	SS316 & Seawater resistant aluminum. Coating and other materials on request

** Stated maximum pressure and maximum flow combinations is limited by power available.

The Company:

We provide the most autonomous, cost optimized and robust pumping systems for the global subsea process, unmanned offshore, subsea drilling and deep sea excavation markets. Since 2008, we have supplied more than 40 pumps for various challenging applications in the deep seas.

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