

xylem



e-SH - The end suction series made in AISI 316 stainless steel

Now also available with hydrovar® X, the ultimate
integrated motor & drive solution

The high-performance, chemical-resistant e-SH pump series is the versatile choice across many applications

The Lowara e-SH series is a single impeller centrifugal pump made in AISI 316 stainless steel making it the right pump for moving water and aggressive liquids in a vast number of applications where high chemical resistance is needed.

The high-performance, chemical-resistant e-SH pump series is the versatile choice across many applications – and with hydrovar® X it also offers significantly lower power consumption and life-time running costs, granting high quality and long life-time solutions.

When coupled with hydrovar® X the e-SH series offers lower power consumption and life time running costs, while allowing wireless and wired connectivity as well as easy commissioning and operation through an intuitive interface.

High efficiency

High efficiency hydraulics with MEI values well above the ErP2015 level and IE3 motors set the basis for very low operation costs. To optimize the operation costs further, the e-SH series is also available with hydrovar® X, the new integrated IE5 PM assisted synchronous reluctance motor and variable speed drive solution.

Range Overview

Sizes: DN25 to DN80
Power: 0.75 kW – 75 kW (2-pole) 0.25 kW – 11 kW (4-pole)
Heads up to: 110 m
Flows up to: 240 m³/h
Pressure class: PN12
Temperature of pumped liquid: -10°C to +120°C, extended temperature version -30°C up to +120°C
Variable speed option: hydrovar® X

Material Options

Pump housing: pump body AISI 316 stainless steel
Impeller: fabricated 1.4404 laser welded stainless steel or 1.4408 cast stainless steel
Elastomers: FPM (other materials available on request)
Mechanical Seal: ceramic, carbon, FPM (other options available on request)
Available construction: extended shaft, stub shaft or frame mount



Long service life & easy maintenance

The high quality in production, the robust construction and operation, the easily interchangeable mechanical seals and wear rings guarantee a continuous operation without faults and a shorter down time for maintenance.

Adapt to needs

In many applications the need for water is always varying. By equipping the e-SH with hydrovar® X, the duty is always exactly where it should be. And it pays off: reducing the speed by 50% reduces the power consumption by 85%.

Exactly the right configuration

Pump and impellers made in AISI 316 stainless steel with choice of mechanical seals / motor options the e-SH is the right solution for 1000's of liquids. The e-SH end suction pumps come in three different constructions:

- ESH, ESHF: bare shaft or frame mounted
- ESHS: Rigid coupled with a stub shaft
- ESHE: Close coupled with an extended shaft for compact footprint

Hot or cold

The standard e-SH can handle liquid temperatures from -10°C up to +120°C and the extended temperature version from -30°C up to +120°C.



hydrovar® X

hydrovar® X is an integrated IE5 PM-assisted synchronous reluctance motor and VSD solution developed to connect and optimize Xylem hydraulic pumps. It enables users across a wide range of applications to enhance pump performance while reducing energy footprint and lifecycle costs. With extended I/O, IoT, wireless and wired connectivity, hydrovar® X has a smart interface for set up and commissioning.

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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

xylem.com/lowara

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Let's Solve Water