



# The e-Range

PREMIUM EFFICIENCY PUMPS, MOTORS AND DRIVES COMPLIANT  
WITH THE ERP DIRECTIVE

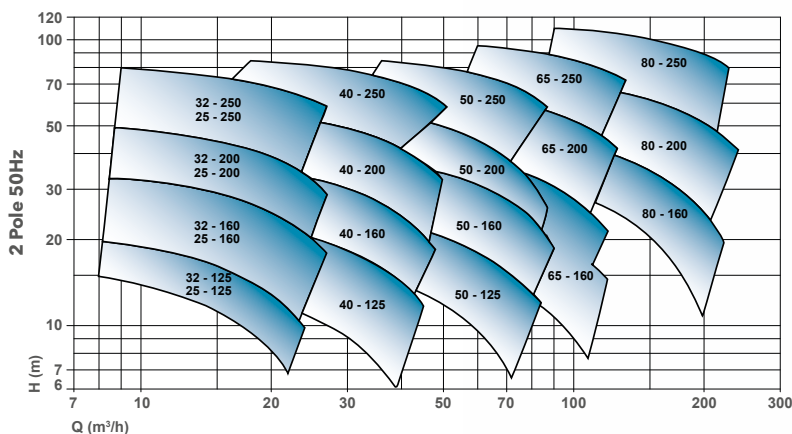
# e-SH

Higher hydraulic efficiencies with IE3 motors fitted as standard.



The Lowara e-SH series is a single impeller centrifugal pump made in AISI 316 stainless steel. This series has a pullback design which allows the impeller, adapter and motor be extracted without disconnecting the pump body from the piping system.

Hydraulic efficiency has been improved and exceeds the ErP compliance of MEI 0.4, IE3 motors are fitted as standard and the energy saving can be improved fitting Hydrovar variable speed drives, IE4 motors are available as an option.



## Range Overview

Sizes: DN 25, DN 32, DN40, DN 50, DN 65 & DN80  
Power: 0.75 kW - 75 kW (2-pole) 0.25 kW - 11 kW (4-pole)  
Head up to: 110 m  
Flows up to: 240 m<sup>3</sup>/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

## High efficiency.

Newly designed high efficiency hydraulics, with MEI values well above the ErP2015 level and IE3 motors set the basis for very low operation costs.

## Long service life & easy maintenance.

Robust design, available in three motor pump coupling designs.

1: Close coupled extended shaft.

2: Close coupled stub shaft to any standardized motor.

3: Frame mounted with baseplate and coupling, stainless steel replaceable wear rings ensure a long service life.

The e-SH series is also designed for easy maintenance and all service points are easy reached to reduce downtime.



## Adapt to needs.

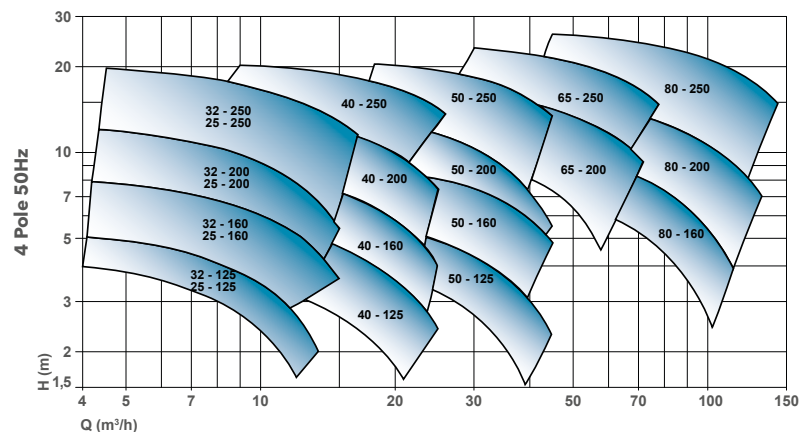
In many applications the need for water is varying. By equipping the e-SH with a Hydrovar pump controller, the duty is always exactly where it should be. And it pays off: reducing the speed by 50% and reducing the power consumption by 85%.

## Exactly the right configuration.

Pump and impellers are 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. Suitable applications include such as handling clean water, chemically non-aggressive or moderately aggressive fluids, water supply, pressure boosting, water circulation, washing systems or industry.

## 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.



## Material Options

**Pump housing:** Pump Body AISI 316 stainless steel  
**Impeller:** Fabricated AISI 316 laser welded stainless Steel or AISI 316 cast stainless Steel  
**Elastomers:** FKM (other materials available on request)  
**Mechanical Seal:** Ceramic, Carbon, FKM (other options available on request)  
50 or 60 Hz motors

## Configuration Options

Extended Shaft, Stub Shaft, Bare Shaft or Frame mount