



# Lowara e-LNE and e-LNT: single and twin in-line pump series

AVAILABLE WITH HYDROVAR AND e-SM DRIVE

# Taking hydraulic and motor efficiency to a new level

The Lowara e-LNE and e-LNT Series are in-line pumps designed to meet the Commercial Building Services (CBS) requirements, in terms of performances and energy saving.

In addition the new Lowara Series can be customized to meet the needs of the Industry, keeping the best in-class quality in production.

Hydraulic efficiency has been improved with MEI values well above the ErP2015 level and IE3 motors are fitted as standard. By connecting the pump to an HVL or e-SM Drive, which powers an IE5 permanent magnet motor, the system surpasses the highest IES class - IES2, defined according to the international standard IEC 61800-9-2.

The e-LNE Series is a single-impeller centrifugal pump with in-line suction and delivery flanges.

The e-LNT Series is a dual volute centrifugal pump with in-line suction and delivery flanges; both volutes are

fitted with closed impellers linked by an automatic changeover valve. The two pumps can operate separately or in parallel.

Both series have a back pull-out design which allow the impeller, adapter and motor to be extracted without disconnecting the pump body from the piping system.



## Range Overview

Sizes: DN32-250 for e-LNE; DN32-150 for e-LNT

Power: up to 90 kW for e-LNE; up to 37 kW for e-LNT

Heads up to: 95 m

Flows up to: 900 m<sup>3</sup>/h for e-LNE; up to 694 m<sup>3</sup>/h for e-LNT (two pumps running)

Pressure class: PN16

Temperature of pumped liquid: -25°C to +120°C, extended temperature, version up to +140°C

Variable speed option: Hydrovar or e-SM Drive (Smart in-line pumps\*)

\*available sizes DN32-40-50



## High efficiency.

High-efficiency hydraulics, especially if combined with e-SM drive, means the lowest possible operating costs – adding up to significant savings over the system lifecycle.

## Long service life & easy maintenance.

Robust design, different bearing frame sizes and stainless steel replaceable wear rings ensure a long service life. The e-LNE & e-LNT series is also designed for easy maintenance and all service points are easy reachable to reduce downtime.

## Adapt to needs.

In many applications the need for water is always varying. By equipping these In-line pumps with a Hydrovar pump controller, 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.

With material options spanning from GG25 cast iron body with stainless steel, cast iron or bronze impellers with choice of mechanical seal options, the e-LNE / e-LNT is the right solution for 1000's of liquids.

## Hot or cold.

The standard e-LNE / e-LNT can handle liquid temperatures from  $-25^{\circ}\text{C}$  up to  $+120^{\circ}\text{C}$  and the extended temperature version up to  $+140^{\circ}\text{C}$ .

## Material Options

**Pump housing:** Cast Iron (GG25)

**Impeller:** Cast Iron, Fabricated Stainless Steel, Bronze, or Cast Stainless Steel

**Elastomers:** EPDM, FPM (other materials available on request)

**Mechanical Seal:** Carbon, Silicon Carbide/EPDM (other options available on request)

**Configuration Options:** Extended Shaft or Stub Shaft

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

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**



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