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

A game changer for HVAC and building services applications

LOWARA
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Taking 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.
Hydraulic efficiency has been improved with MEI values well above the ErP2015 level and IE3/IE4 motors are fitted as standard*. With variable speed version, such as e-LNE/T Smart and e-LNE/T with hydrovar® X, which powers an IE5 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.
You can amplify the efficiency of e-LNE/T in-line pumps across HVAC and building services applications with hydrovar® X – pump management that enhances reliability, economy and performance.









High efficiency

High-efficiency hydraulics, especially if combined with hydrovar® X or in the Smart version, 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/T 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® X 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 cast iron body with stainless steel, cast iron or bronze impellers with choice of mechanical seal options, the e-LNE/T is the right solution for 1000's of liquids.

Hot or cold

The standard e-LNE/T can handle liquid temperatures from -25°C up to +120°C and the extended temperature version up to +140°C.

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^3/h for e-LNE; up to 694 m^3/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: Smart in-line pumps** or hydrovar® X

Material Options

Pump housing: cast iron
Impeller: cast iron, fabricated stainless steel 1.4301, bronze, or cast stainless steel 1.4408
Elastomers: EPDM, FPM (other materials available on request)
Mechanical seal: carbon, silicon carbide/EPDM (other options available on request)
Available constructions: extended shaft or stub shaft

*IE4 is standard for 75 and 90 kW motors
**available sizes DN32-40-50

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.

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Let’s Solve Water