



# ITT

Lowara

Z10-Z12 Series  
Stainless Steel  
Submersible pumps for  
10" and 12" wells



*Engineered for life*



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## APPLICATIONS

- Water supply from deep wells
- Pressure boosting and water distribution in civil and industrial systems
- Water level control
- Dewatering (civil engineering or mining)
- Fire fighting

## PLUS

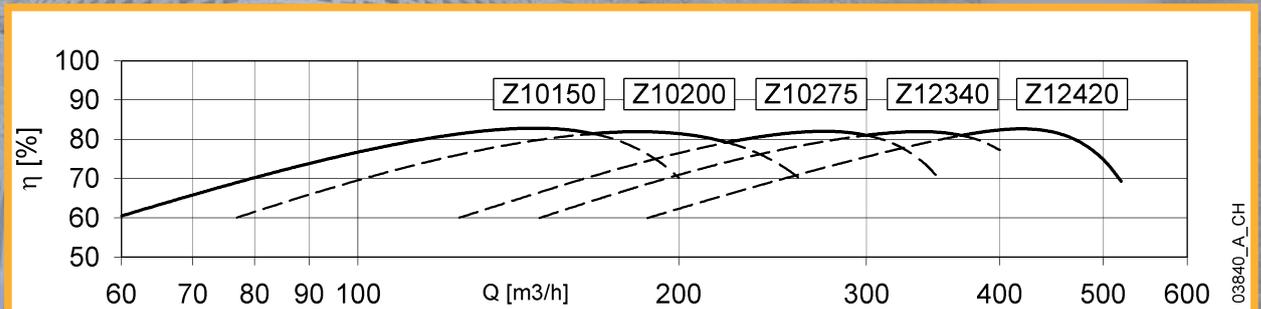
Economical operation – optimized hydraulic design, use of high quality castings and of the dynamic wear ring system increases the overall pump efficiency – Low cost operation.

- High corrosion resistance – the extensive use of stainless steel allows the pump to work in aggressive environments and maintains the high efficiency over time
- No water contamination – no paint, no rust
- Long reliability – Robust design - All stainless steel casting parts



### LOW COST OPERATION PUMP

Almost every duty point between 120 m<sup>3</sup>/h and 460 m<sup>3</sup>/h has an efficiency higher than 80%. Every duty point is a **high Efficiency Duty Point!**



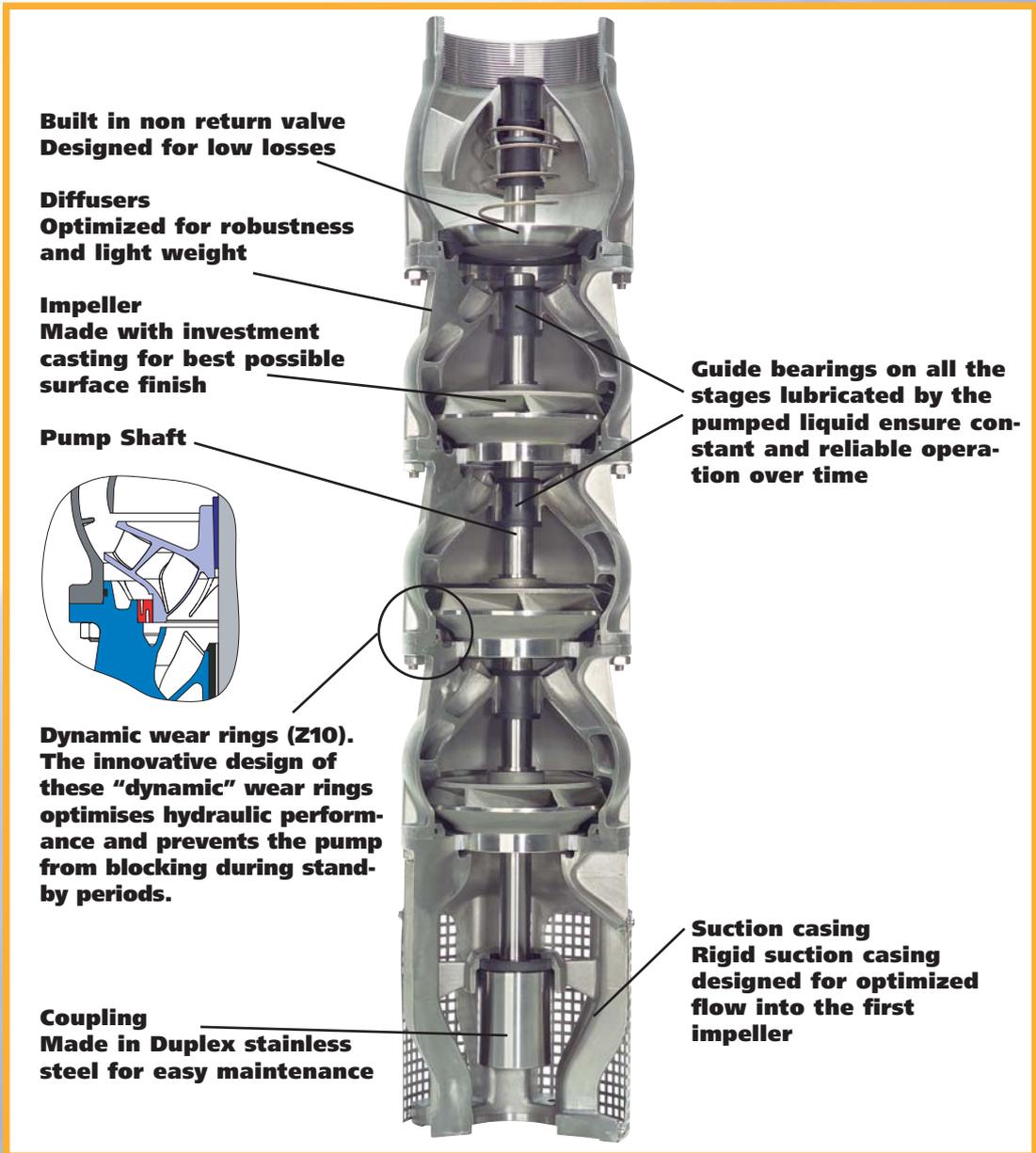
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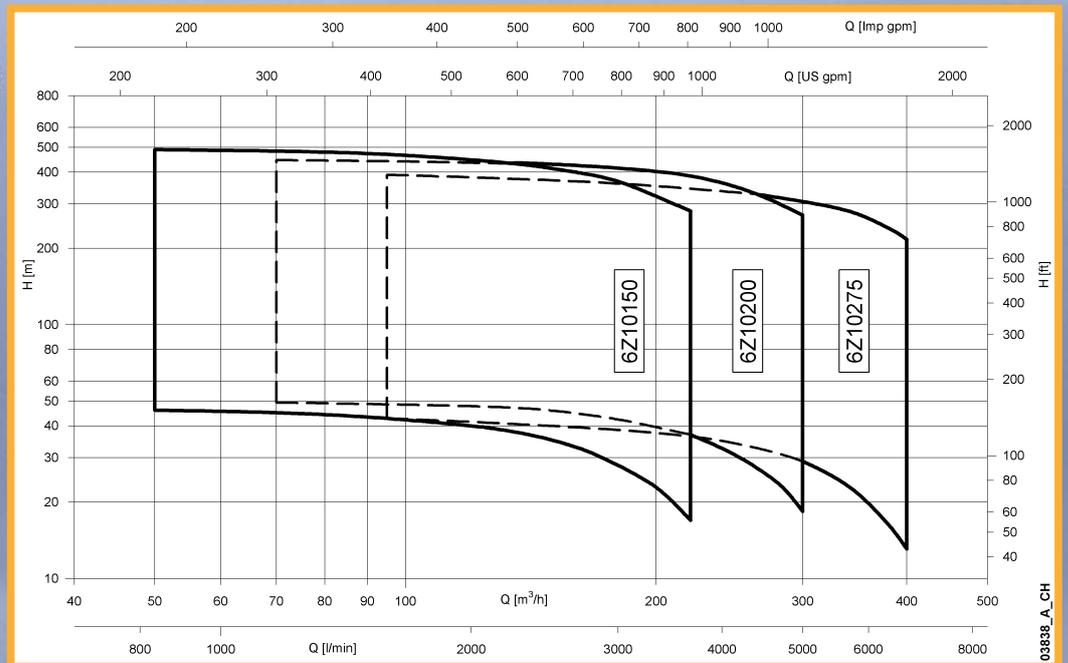
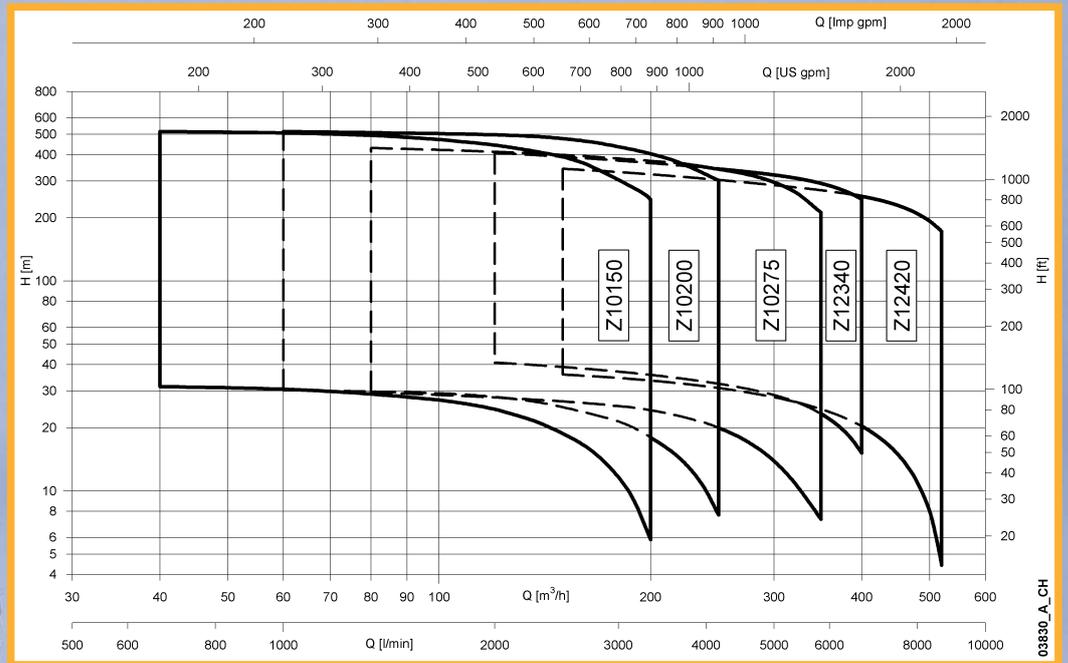
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## Z10-Z12 SERIES OPERATING CHARACTERISTICS AT 50 AND 60 Hz



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Introducing the **Z10 and Z12 series in stainless steel**. The range completes the current stainless steel range with sizes now available from 4" to 12".

The innovative design and use of high grade materials ensures both **high corrosion resistance** and wear resistance even in the most aggressive environments. Guide bearings on each stage guarantees the correct **shaft alignment**, avoiding vibration issues thus giving the pump a **long life time reliability**.

Wear rings made of low friction material prevents the pump from blocking during stand by periods. The dynamic characteristics of the wear ring in the Z10 also keeps recirculation losses to a minimum. All hydraulic components are made of **AISI 304** in the standard version.

### 50 Hz and 60 Hz VERSIONS AVAILABLE

#### 50Hz versions

Delivery up to 520 m<sup>3</sup>/h  
Head up to 545 m

#### 60Hz versions

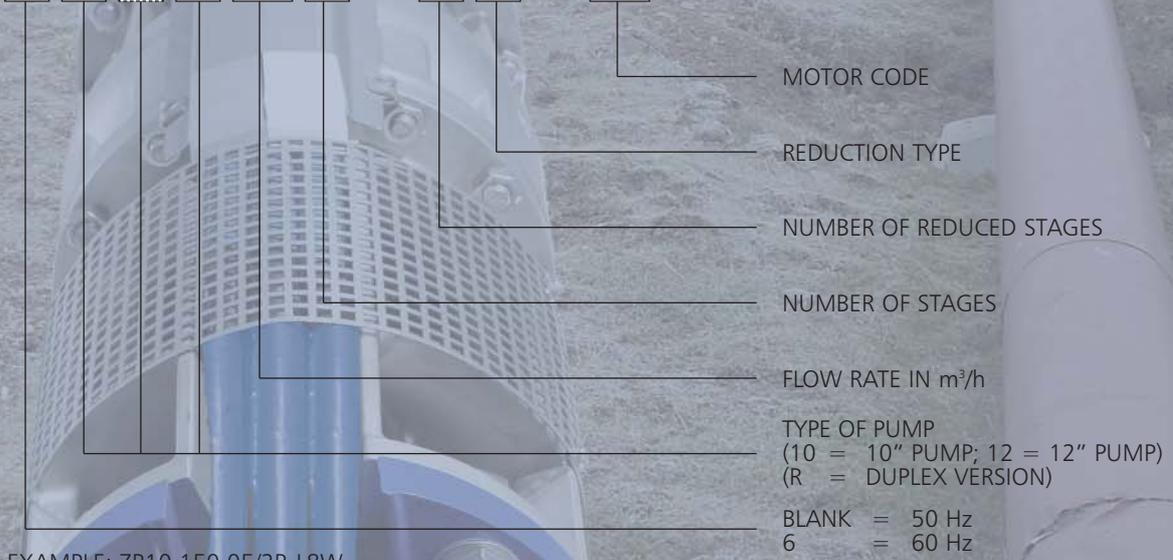
Delivery up to 400 m<sup>3</sup>/h  
Head up to 520 m

### VERSIONS ON REQUEST

Pump completely manufactured in DUPLEX stainless steel for highly aggressive water environment.

### IDENTIFICATION CODE

□ Z R 10 150 05 / 2 B - L8W



EXAMPLE: ZR10 150 05/2B-L8W

10" ELECTRIC PUMP, 50 HZ, MADE OF DUPLEX, FLOW RATE 150 m<sup>3</sup>/h; 5 STAGES INCLUDING 2 REDUCED ONES, COUPLED TO AN 8" L8W MOTOR

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**ITT Lowara part of ITT Corporation and headquarters of "Residential and Commercial Water - EMEA".**

World leading in offering high reliable fluid handling solutions for Building Services, Irrigation and Industrial applications. We provide a complete range of high quality pumps, packaged systems and controls and are specialized in engineering and manufacturing stainless steel products.

ITT Lowara is headquartered in Vicenza, Italy and operates in more than 80 countries across the world with own plants in Italy, Austria, Poland and Hungary. The company has 1.300 employees and generated 2008 sales exceeding \$440 million. ITT Lowara is wholly owned by the ITT Corporation of White Plains, New York, and is the EMEA headquarter of ITT's Residential and Commercial Water division. ITT Corporation is a high-technology engineering and manufacturing company operating on all seven continents in three vital markets: water and fluids management, global defense and security, and motion and flow control. ITT Corporation generated 2008 sales of \$11.7 billion

**ITT RESIDENTIAL AND COMMERCIAL WATER DIVISION - EMEA**

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