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Lowara's Range
of Borehole Products



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Wide range
from 4" to 12"



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A WIDE RANGE OF 4" TO 12" BOREHOLE PUMPS

With its wide range of 4" to 12" borehole pumps, Lowara offers advanced water supply solutions for residential, municipal, irrigation and industrial applications. Water is the most common element found on our planet, and Lowara shares a leading position worldwide within the ITT Industries group, for the design and production of pumps and pumping systems.

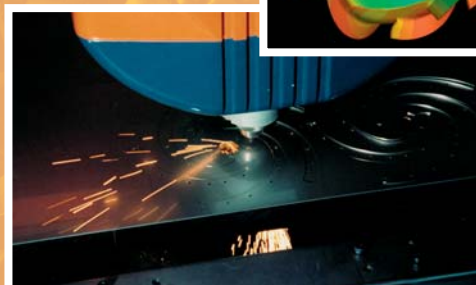
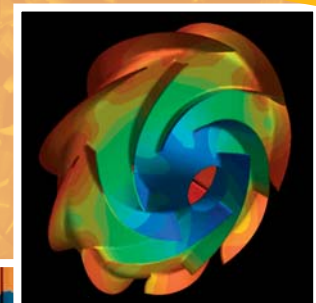
For over 30 years the Lowara name has been synonymous with innovation and quality, reliability and faultless service in connection with all the challenges related to water handling.

From the company's headquarters in Montecchio Maggiore in the province of Vicenza, Italy, through a widespread network of offices and distributors, the Lowara products reach customers all over the world and are used in the most specific applications, because we combine high quality and technology with superior knowledge and customer service.



Lowara's Borehole range includes:

- **GS SERIES** for 4" wells
- **SCUBA SERIES** for 5" wells
- **Z6 SERIES** (AISI 304) and **ZN6 SERIES** (AISI 316) for 6" wells
- **Z8 SERIES** (AISI 304) and **ZR8 SERIES** (DUPLEX) for 8" wells
- **S10-S12 SERIES** for wells up to 12"



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GS



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GS

Borehole pumps for 4" wells

- **Compact**
- **Robust**
- **Abrasion resistant**
- **All components are F.D.A. compatible**

50 Hz version:

Delivery up to 21 m³/h - Head up to 340 m

60 Hz version:

Delivery up to 27 m³/h - Head up to 300 m

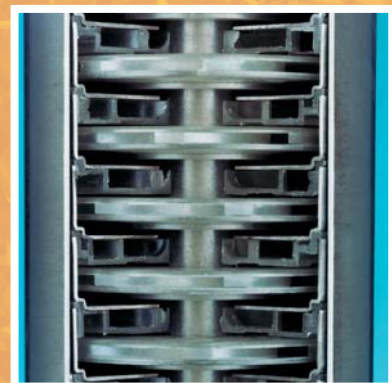
Abrasion resistant construction: the front wear plate combined with the polycarbonate floating impellers ensure optimum resistance to wear (maximum permissible quantity of sand 150 g/m³).

The stainless steel structure of the pump ensures high resistance to corrosion, robustness and long-lasting performance.

All the pumps can be coupled to 4" motors NEMA Std.

Applications

- Water supply
- Irrigation systems
- Pressure boosting
- Fire-fighting
- Fountains



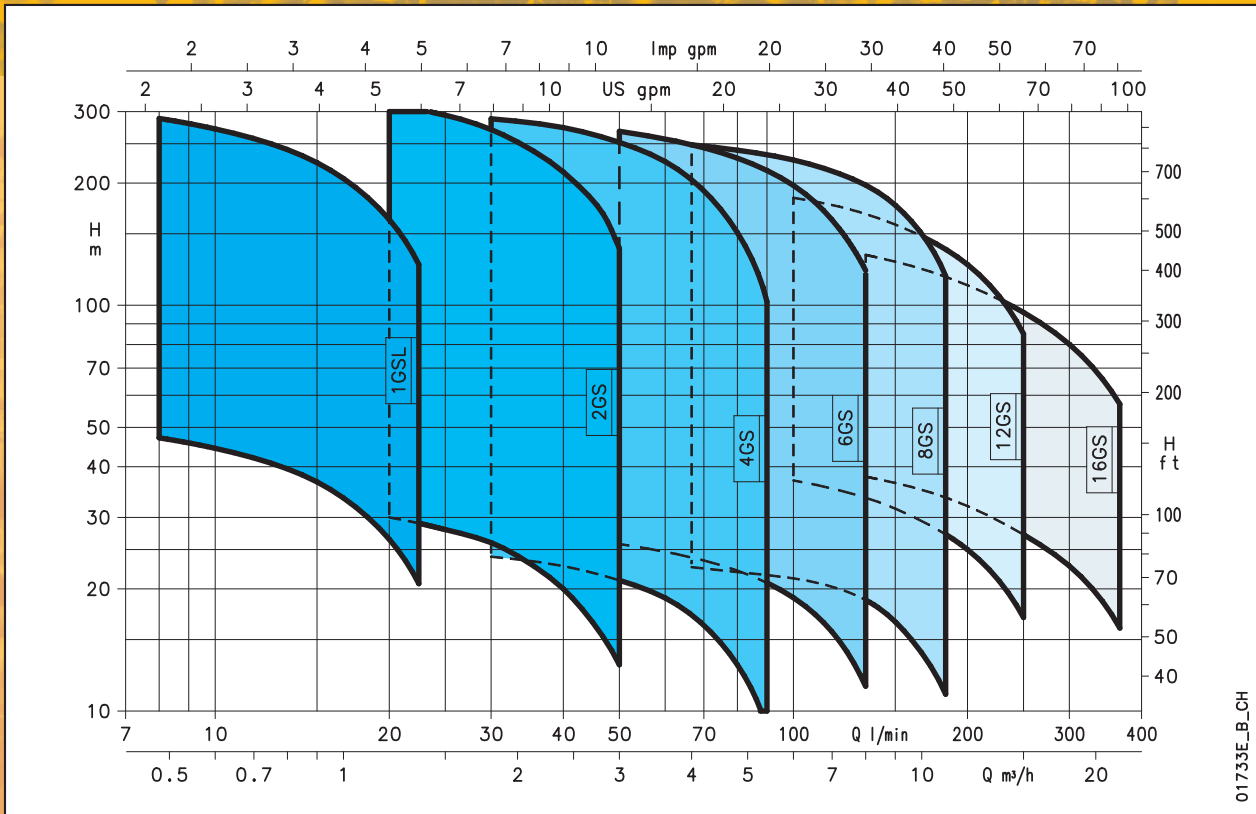
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CHARACTERISTIC CURVES OF 50 Hz GS SERIES



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SCUBA

5" close-coupled submersible pumps

- **Innovative**
- **Compact**
- **Double Mechanical Seal System**
- **Versions with or without float switch**

50 Hz version:

Delivery up to 7.5 m³/h - Head up to 80 m.

60 Hz version:

Delivery up to 8 m³/h - Head up to 75 m.

Close-coupled multistage submersible pump with electric motor cooled by pumped liquid. The technopolymer impellers and AISI 304 stainless steel diffusers ensure superior performances and maximum operational efficiency.

The single phase version has an internal capacitor and built-in thermal protection. For this reason, the pump does not require connection to a control panel for starting.

Applications

- Water supply from primary water supply tanks or reservoirs, 5" wells or Roman wells, basins and watercourses.
- Sprinkler irrigation systems.
- Pressure boosting with pumps inserted directly inside tank or well, to avoid suction problems and noise.
- Fountains.

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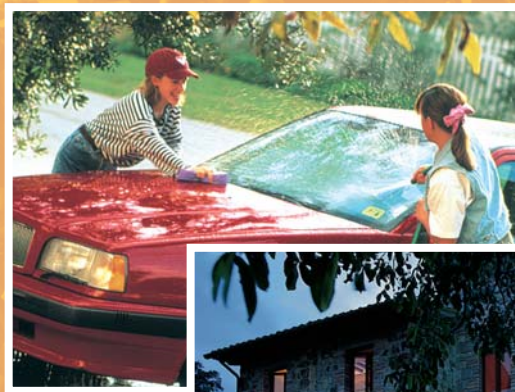
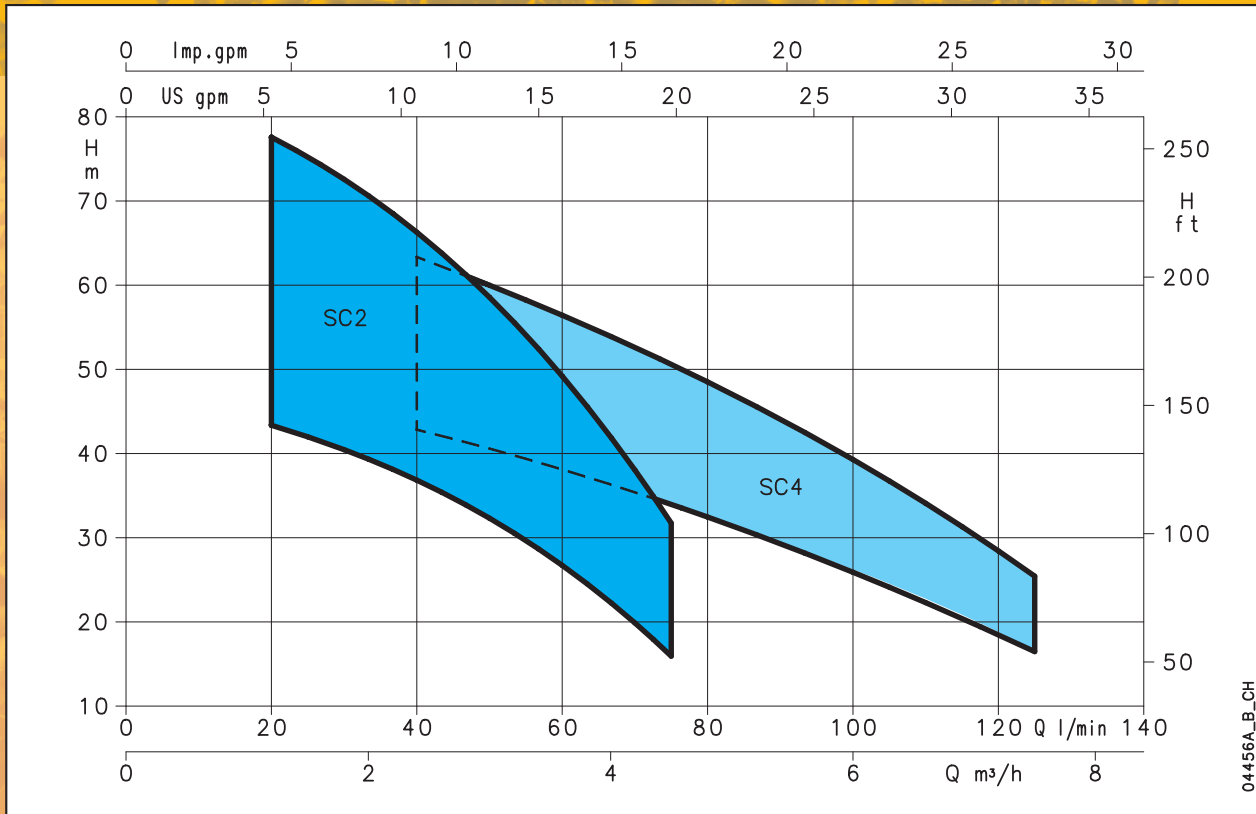




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CHARACTERISTIC CURVES OF 50 Hz SCUBA SERIES



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Z6-ZN6

Borehole pumps for 6" wells

Z6 (AISI 304) - ZN6 (AISI 316)

- **Robust design**
- **High pressure version**
- **High sand capability**

Z6 - ZN6

50 Hz version:

Delivery up to 78 m³/h - Head up to 700 m.

60 Hz version:

Delivery up to 90 m³/h - Head up to 700 m.

This sturdy and lightweight pump is easy to maintain thanks to the modular design and its high sand handling capability (100 g/m³). Head and motor support are made in precision cast stainless steel, with stainless steel impellers and diffusers.

Tungsten Carbide shaft bearings and stainless steel shaft sleeves ensure long lasting reliability and efficiency.

Applications

- Water supply from deep wells
- Pressure boosting and water distribution
- Irrigation
- Golf courses

Optional features

Special high pressure design to pump water from deep wells (head up to 700 m)



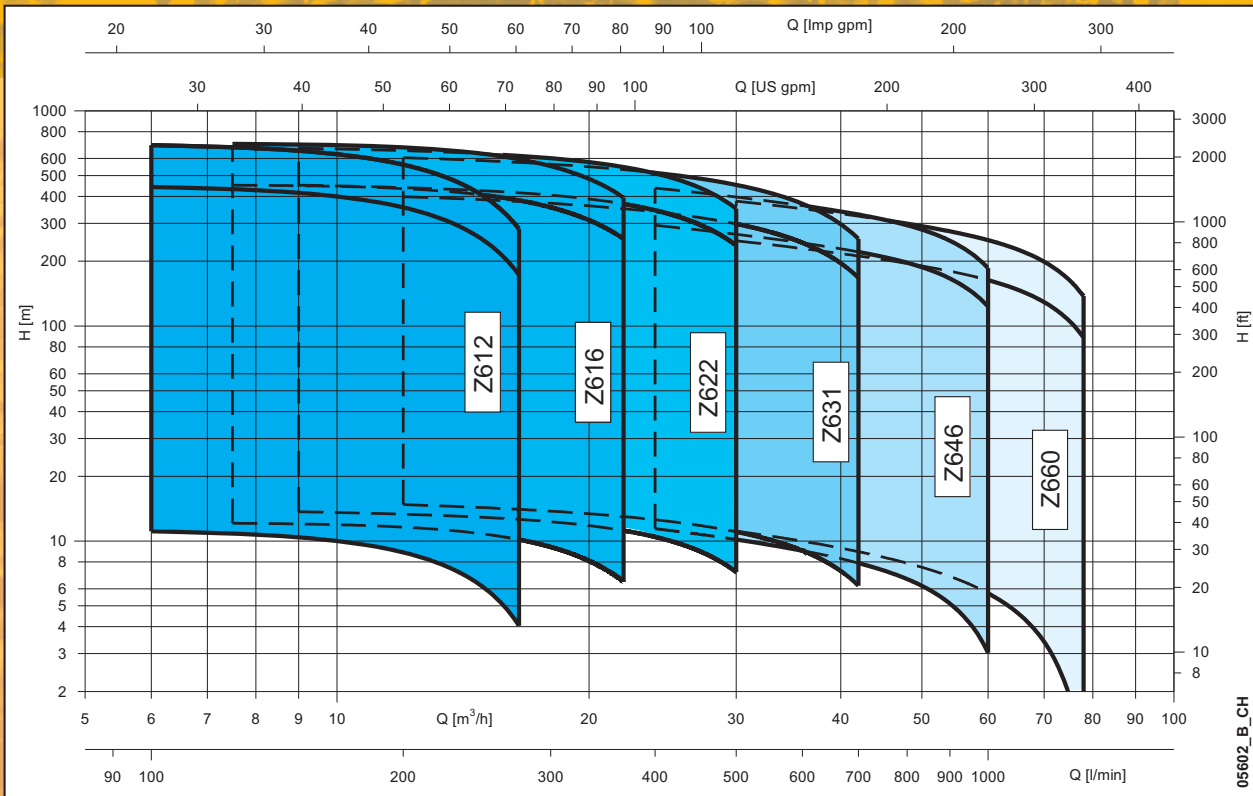
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CHARACTERISTIC CURVES OF 50 Hz Z6-ZN6 SERIES



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Z8-ZR8



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Z8-ZR8

Borehole pumps for 8" wells

Z8 (AISI 304) - ZR8 (DUPLEX)

- **Robust design**
- **Abrasion resistant**
- **Reliable**

50 Hz version:

Flow up to 78 m³/h - Head up to 700 m

60 Hz version:

Flow up to 210 m³/h - Head up to 550 m

This robust and lightweight pump, easy to disassemble, is built entirely in stainless steel and resists corrosion even in aggressive environments (DUPLEX version).

Guide bearings on all the stages ensure resistance to wear and guarantee constantly reliable hydraulic characteristic over time.

The new "dynamic" wear ring reduces hydraulic losses to a minimum and keeps the pump from blocking during stand-by periods.

Applications

- Water supply from deep wells
- Irrigation systems
- Pressure boosting
- Fire-fighting
- Mining
- Fountains
- Pressure boosting and water distribution in municipal and industrial systems

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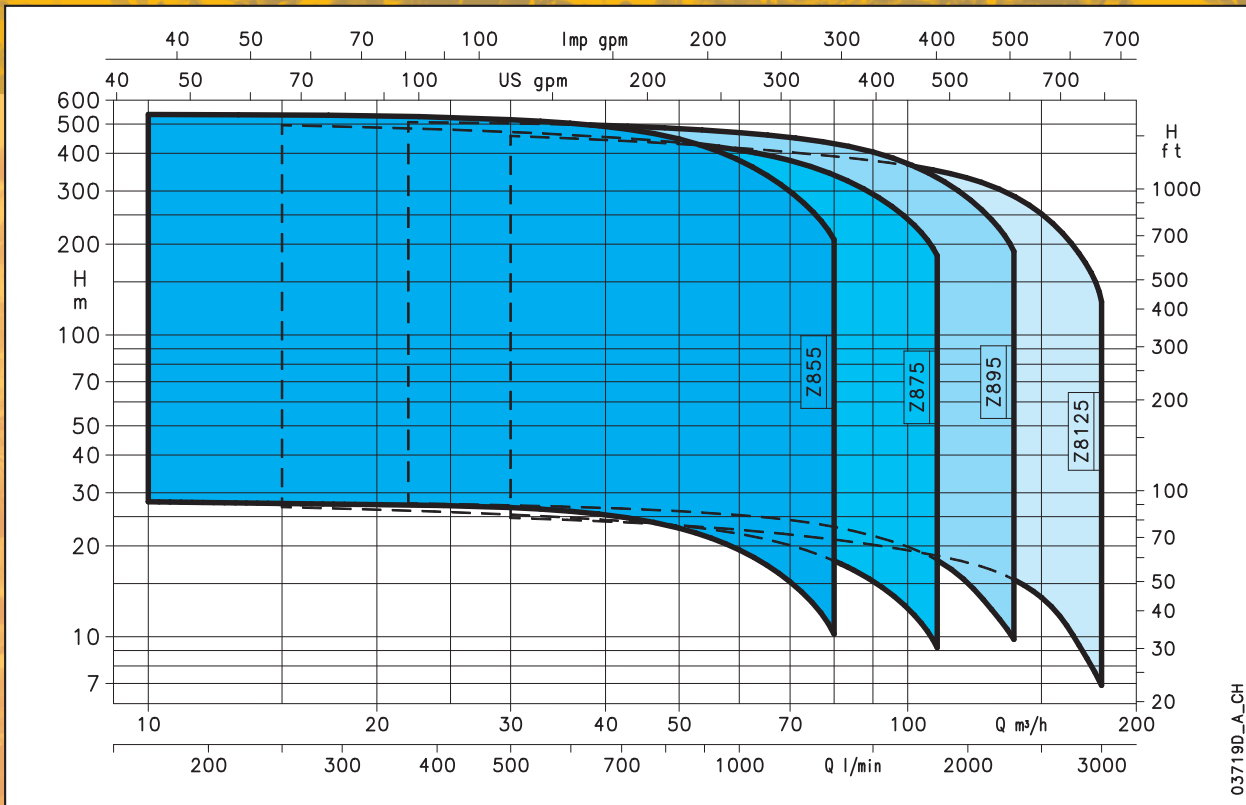




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CHARACTERISTIC CURVES OF 50 Hz Z8-ZR8 SERIES



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S10-S12



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S10-S12

**Borehole pumps for
10" and 12" wells**

- **Robust**
- **Reliable**
- **Easy to maintain**

50 Hz version:

Delivery up to 550 m³/h - Head up to 460 m.

60 Hz version:

Delivery up to 550 m³/h - Head up to 520 m.

Multistage vertical centrifugal pumps with radial or semiaxial cast iron impellers. The guide bearings and wear rings, made of special high nitrile content rubber, ensure high resistance to wear and guarantee the constant and long-lasting performance of the hydraulic characteristics.

Bronze or stainless steel versions, suitable for aggressive liquids and salt water applications, are available on request.

Applications

- Water supply from deep wells
- Pressure boosting and water distribution in municipal and industrial systems
- Supply of surge tanks and reservoirs
- Firefighting and washing systems
- Water table level control
- Sprinkler irrigation
- Mining
- Fountains
- Agriculture: flood irrigation

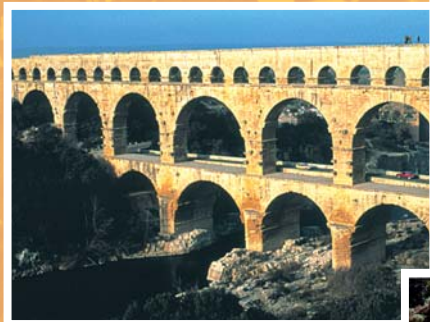
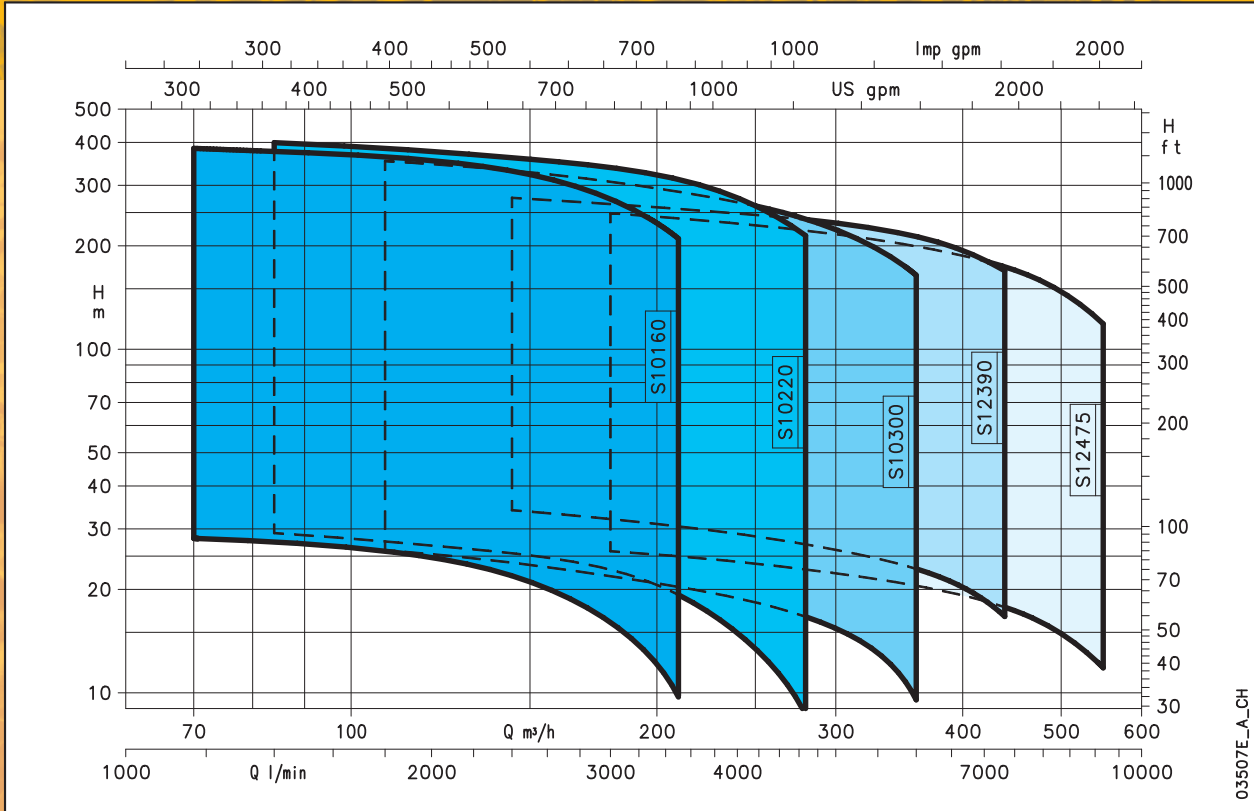
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CHARACTERISTIC CURVES OF 50 Hz S10-S12 SERIES



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40S-L4C L6C-LW



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40S-L4C-L6C-LW

**Lowara Submerible Motors
complete range from 4" to 12"**

- **Wide range of options**
- **Rewindable and canned robust design**
- **High reliability**

The wide range of 4" to 12" borehole Lowara motors offers advanced solutions to provide water in all the conditions without wasting money: high efficiency design and long lasting reliability are the key values of both canned and rewindable versions. Available power from 0.37 kW up to 300 kW.

4"

40S: oil filled rewindable

50 Hz version

- Single-phase: 220-240 V 0,37 to 2,2 kW
- Three-phase: 220-240 V 0,37 to 7,5 kW
380-415 V 0,37 to 7,5 kW

60 Hz version

- Single-phase: 220-230 V 0,37 to 2,2 kW
110-115 V 0,37 to 1,1 kW
- Three-phase: 220-230 V 0,37 to 7,5 kW
380 V 0,37 to 7,5 kW

L4C: water filled canned

50 Hz version

- Single-phase: 220-240 V 0,37 to 3,7 kW
- Three-phase: 220-240 V 0,37 to 5,5 kW
380-415 V 0,37 to 7,5 kW

60 Hz version

- Single-phase: 220-230 V 0,37 to 3,7 kW
110-115 V 0,37 to 0,75 kW
- Three-phase: 220-230 V 0,37 to 5,5 kW
380 V 0,37 to 7,5 kW



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6"

L6C: water filled canned

50 Hz version

- Three-phase: 380-415 V 4 to 37 kW

60 Hz version

- Three-phase: 230 V 4 to 22 kW
- 380-460 V 4 to 37 kW

L6W: water filled rewindable

50 Hz version

- Three-phase: 380-415 V 4 to 37 kW

60 Hz version

- Three-phase: 230 V 4 to 37 kW
- 380-460 V 4 to 37 kW

8" - 10" - 12"

L8W, L10W, L12W: water filled rewindable

50 Hz version

- Three-phase: 380-415 V 30 to 300 kW

60 Hz version

- Three-phase: 380-460 V 30 to 300 kW



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