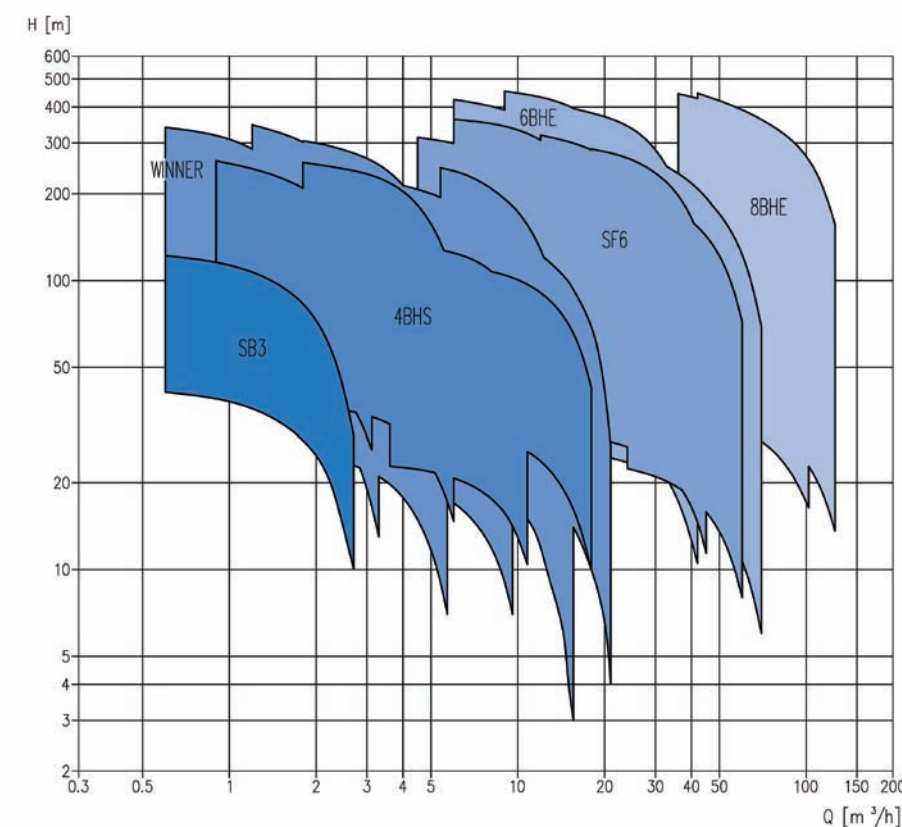




- The borehole range includes:
- SB3: 3" borehole pumps
 - WINNER: 4" borehole pumps
 - 4BHS: 4" borehole pumps
 - 6BHE: 6" borehole pumps
 - 8BHE: 8" borehole pumps



www.ebara.eu



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cod. 479705384 REV 02/06



3" - 4" - 6" - 8"



EBARA

**NEW BOREHOLE 3"- 8"
PUMPS RANGE**

NEW



**NEW BOREHOLE 3"- 8"
PUMPS RANGE**





NEW BOREHOLE 3"- 8" PUMPS RANGE

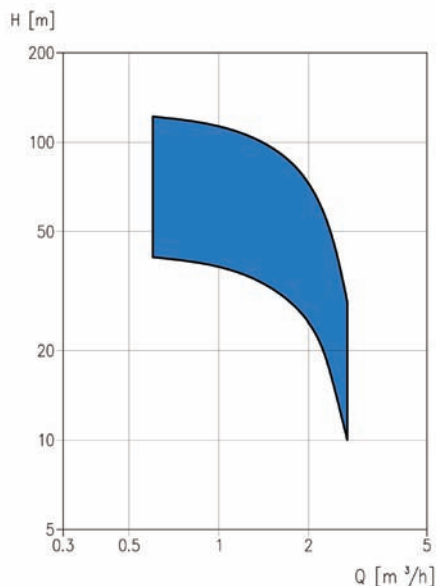
Ebara Pumps Europe is a market leader in the pumps production and design, and presents a wide range of Borehole pumps from 3" up to 8". Thanks to the range enlargement, Ebara Pumps Europe can offer cutting-edge technical solutions for water supply systems on housing, irrigation field and industrial applications.

Every product and system supplied by Ebara PUMPS EUROPE is designed to guarantee superior functionality. The entire manufacturing cycle is subjected to a strict and comprehensive quality control program.

Ebara pumps: innovation, technology, reliability and quality.

3" BOREHOLE PUMPS

SB3



FIELD OF APPLICATION AND OPERATING RANGES
Suitable for handling clear water in wells, clean water boosting for agricultural, domestic or industrial use, irrigation and handling water in general.

Operating ranges

- Maximum immersion: 60 m
- Maximum temperature of water pumped: 30°C

MATERIALS

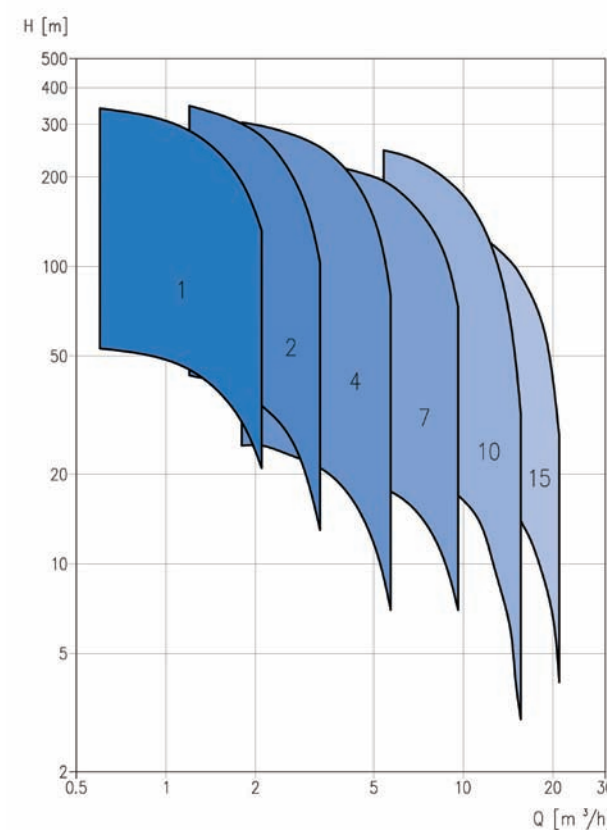
Pump
AISI 304 stainless steel jacket, delivery port, motor connection.
Diffusers: polycarbonate
Impeller: fibreglass-reinforced PPO
DN (delivery): 1"
Cable exit cannot be disconnected
Built-in nonreturn valve

EBARA oil-bath motor
NEMA standard
Food-quality oil
Jacket: AISI 304 stainless steel
Hub: AISI 303 stainless steel
Cover: nickel-plated brass
2900 min-1 - Single-phase: 230 V -
Three-phase: 400 V
Class F - IP58



4" BOREHOLE PUMPS

NEW WINNER



FIELD OF APPLICATION AND OPERATING RANGES
New submersible motor-driven centrifugal pumps with front distancing plate for impeller suitable for handling clear water in wells, clean water boosting for agricultural, domestic or industrial use, irrigation and handling water in general. They can also be used horizontally.

- Maximum immersion: 100 metres
- Maximum liquid temperature: 30°C with water-bath motor (type: WY) 40°C with oil-bath motor (type: OY)
- Maximum sand content: 50 ppm
- Maximum chlorine content: 500 ppm

MATERIALS

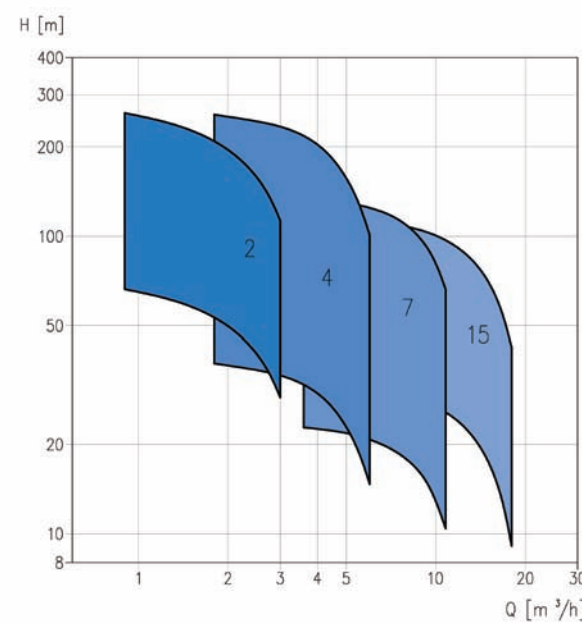
- AISI 304 stainless steel jacket, suction and delivery port, suction filter, nonreturn valve.
- Technopolymer impeller and diffuser
- AISI 304 shaft

SPECIFICATIONS

- 2-pole motor, water-bath version (WY) or oil-bath (OY)
- Max. starts per hour: 30
- Insulation class F
- Insulation protection IP58
- Single-phase voltage 230V ± 6% 50Hz, three-phase 400V ± 6% 50Hz
- DN (delivery) 1" 1/4 for 4N1-4N2-4N4 models, 2" for 4N7-4N10-4N15 models



4BHS



FIELD OF APPLICATION AND OPERATING RANGES
Submersible centrifugal pumps with all-AISI 304 stainless steel construction. Reliable, lightweight, corrosion resistant and offering exceptional performance owing to the smooth surfaces of the impellers and diffusers. Used in domestic, agricultural and industrial water supply systems, pressure boosting systems, firefighting. Also suitable for irrigation, washing and handling clear water in general. Suitable for coupling with 4" NEMA-standard motors. Comes in two versions: W4BHS with water-bath motor, O4BHS with oil-bath motor.

- Maximum immersion: 150 metres
- Maximum liquid temperature: 30°C (40° C for OY)
- Maximum sand content: 50 ppm
- Maximum chlorine content: 500 ppm

MATERIALS

- AISI 304 mount, ports, coupling, impeller, diffuser, valve, stages, tie rods and cable cover
- AISI 316 shaft
- AISI 304/technopolymer shim washers

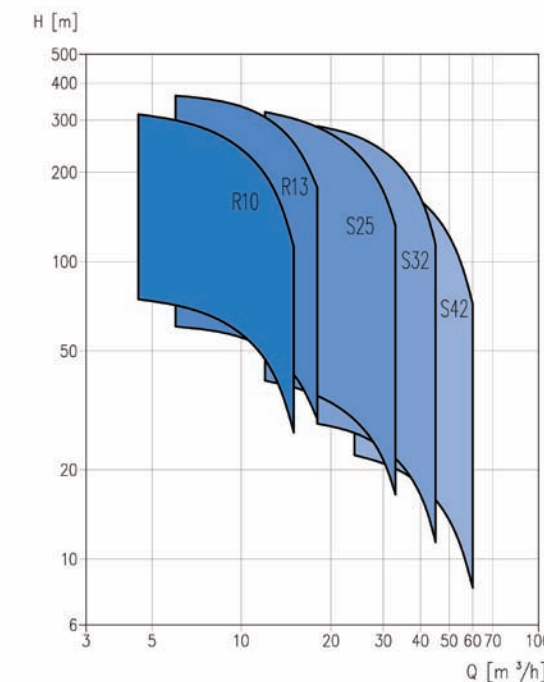
SPECIFICATIONS

- Pumps come in the following versions:
 - Motor-driven pump O4BHS with OY non-toxic oil-bath motor (max. water temperature 40°C).
 - Motor-driven pump W4BHS with WY water-bath motor (max. water temperature 30°C). Both motors have the following specifications:
 - 2 poles 50Hz
 - Single-phase version from 0.55 to 2.2 kW, 230 V
 - Three-phase version from 0.55 to 5.5 kW, 400 V
 - Insulation class F (OY), class B (WY)
 - Protection IP 58
 - Quick coupler for power cord
 - Max. starts per hour: 30
 - G 1" 1/4 (4BHS 2)
 - G 1" 1/2 (4BHS 4)
 - G 2" (4BHS 7 - 4BHS 15)



6" BOREHOLE PUMPS

SF6



FIELD OF APPLICATION AND OPERATING RANGES
6" submersible motor-driven centrifugal pumps suitable for residential, commercial and industrial water supply systems, pressure boosting systems, irrigation and water pipes for communities, hospitals etc..

- Maximum liquid temperature: 30°C
- Maximum sand content: 50 ppm

MATERIALS

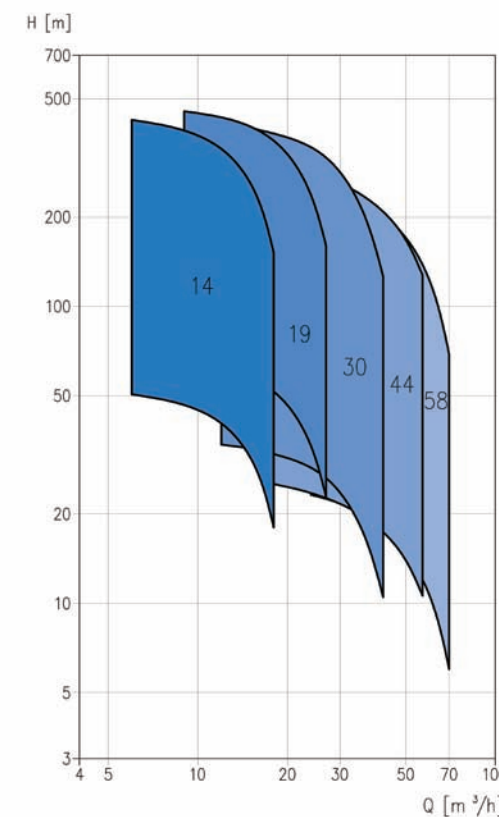
- Cast iron delivery and suction casing
- AISI 304 jacket, spacers, shim washers, nonreturn valve, cable protection and suction grid
- Fibreglass-reinforced technopolymer impellers and diffusers
- AISI 420 shaft

SPECIFICATIONS

- 2-pole motors:
 - 4" version up to 5.5 kW
 - and 6" version from 7.5 kW up to 30 kW
- Delivery:
 - 2" 1/4 for SF6R10/13
 - 3" for SF6S25/32/42 series
- Standard: direct starting



6BHE



BHE Stainless steel submersible pumps for 6" and larger deep wells.
Radial liquid end configurations are available in three models for high heads and medium deliveries and two models of mix-flow liquids ends for medium heads and high deliveries.

FIELD OF APPLICATION

- Water feeding from deep wells
- Sprinkling and flow irrigation systems
- Irrigation systems, water treatment plants filtration and reverse osmosis
- Industrial cooling and processing
- Fountains
- Fire-fighting systems

FEATURES

- Completely manufactured in aisi 304 stainless steel to ensure high corrosion resistance and to prolong the time life, besides a perfect alignment of all the components.
- Stainless steel impellers and diffusers assure excellent performances.
- Teflon floating neck ring, ceramic guide journal and nitrile rubber fluted bearing to allow excellent abrasive handling, wear resistance, constant performances and product reliability.
- A check valve is built-in the discharge head
- Very compact pump suitable also for horizontal operation
- Thanks to the simple hydraulic design, easy to install and service

OPERATING RANGES

- Capacities up to 70 m³/h
- Heads up to 500 m
- Maximum sand content: 50 gr/m³
- Water temperature range: from 0°C to 50°C
- Rotation: counter clockwise when looking into discharge
- Pump can work continuously both vertically or horizontally
- Coupling and motor adapter according to nema standard

AVAILABLE ON REQUEST

- AISI 316 stainless steel version (DIN EN 1.4401)
- Double cable guard for starting of star/delta motors
- BHE 14 and BHE 19 types with Rp 2" and 3" discharge head
- For all other models Rp 4" discharge head
- 4" motor adapter
- High temperature version (up to 90°C)



8" BOREHOLE PUMPS

8BHE

BHE Stainless steel submersible pumps for 8" and larger deep wells.
This heavy-duty 8" submersible pump range is specially designed for high volume water needs.

FIELD OF APPLICATION

- Water feeding from deep wells
- Sprinkling and flow irrigation systems
- Irrigation systems, water treatment plants filtration and reverse osmosis
- Industrial cooling and processing
- Fountains
- Fire-fighting systems

FEATURES

- Completely manufactured in aisi 316 stainless steel to ensure high corrosion resistance and to prolong the time life
- Stainless steel impellers and diffusers assure excellent performances and reduce energy consumption
- External sleeve to improve stiffness and ensure a constant alignment of all the internal components
- Motor adapter and discharge head may be easily removed
- Teflon floating neck ring, ceramic guide journal and nitrile rubber fluted bearing to allow excellent abrasive handling, wear resistance, constant performances and product reliability.
- A check valve is built-in the discharge head
- Very compact pump suitable also for horizontal operation
- Easy maintenance without the need of special tools.

OPERATING RANGES

- Capacities up to 126 m³/h
- Heads up to 500 m
- Maximum sand content: 50 gr/m³
- Water temperature range: from 0°C to 50°C
- Rotation: counter clockwise when looking into discharge
- Pump can work continuously both vertically or horizontally
- Coupling and motor adapter according to nema standard

AVAILABLE ON REQUEST

- Double cable guard for starting of star/delta motors
- Discharge outlet adapters for 4" RP PIPE
- 8" motor bracket for 30 and 37 kW motors
- High temperature version (up to 90°C)

