

Receiver

From

Company
Reference
Address
Phone
Fax
E-mail

Customer pos. no.:

Pump model: S4-4/19
Item n° : 60173446

Inverter application :

Pump data

P2 nominal requested : 1,5 kW
Min. fluid temperature : 0 °C
Max. fluid temperature : 40 °C
Max. Permitted amount of sand : 150 g/m³

Requested data

Flow :
Head :
Fluid : Water
Fluid Temperature : 20 °C
Density : 998,3 kg/m³
Kinematic viscosity : 1,005 mm²/s
Vapor pressure : 0,33938 psi

Hydraulic data (duty point)

Flow :
Head :
Efficiency :
NPSH :
P2 nominal requested :

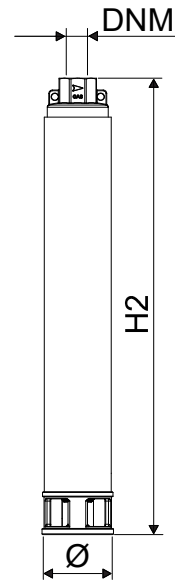
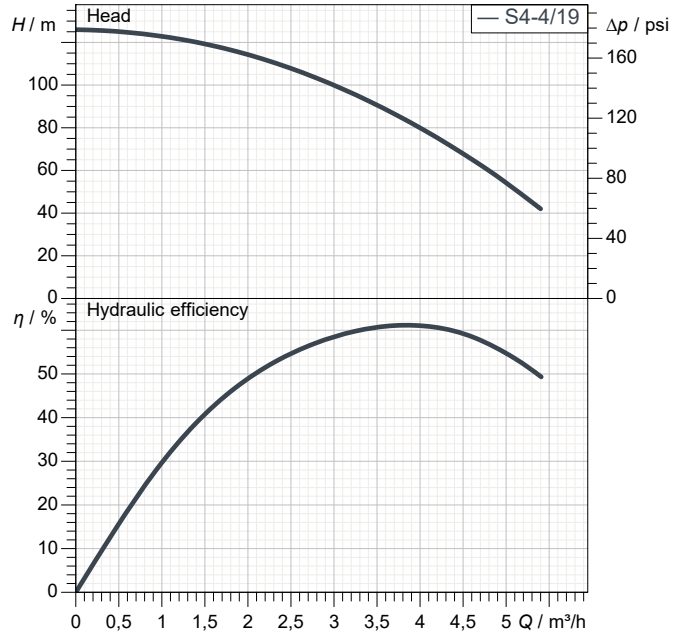
Materials

Lower support : Precision Cast Steel AISI 304
Impeller : Technopolymer
Diffuser : Technopolymer
Screws : Stainless Steel AISI 304
Cable sheath : Stainless Steel AISI 304
Shaft with coupling : Stainless Steel AISI 420
Delivery port : Precision Cast Steel AISI 304

Motor data

Motor type :
Nominal power P2 :
Rated voltage :
Nominal current :
Number of poles :
Rated speed :
Degree of protection :

Curve tolerance according to ISO 9906



Weight : 5,6 kg

Dimensions in mm

H2	678				
Ø	99				

Pump connection

Discharge side : 1 " 1/4 G-F

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Installation example without inverter



- A : Power supply line
B : User
1 : Electric control box
2 : Electric pump bleed / priming cap
3 : Manometer
4 : Membrane vase
5 : Gate valve
6 : Non-return valve
7 : Delivery pipework
8 : Minimum level electrode for electric probe
9 : Electric pump
10 : Well
11 : Filters

RECOMMENDATIONS FOR CORRECT INSTALLATION

- Keep a minimum distance of one metre from the bottom of the well.
- Install a non-return valve at least 10 metres from the delivery outlet of the pump.
- Install further non-return valves at 30-40 metre intervals.
- Ensure a minimum cooling flow around the motor during operation (for further information refer to the motor technical data sheet).
- Ensure that the dynamic level of the water in the well is at least one metre above the pump delivery

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Installation example with inverter



- A : Power supply line
B : User
1 : Board to inverter (ADAC)
2 : Electric pump bleed / priming cap
3 : Manometer
4 : Membrane vase
5 : Gate valve
6 : Non-return valve
7 : Delivery pipework
9 : Electric pump
10 : Well
11 : Filters
12 : Pressure sensor (compulsory)
13 : Flow sensor (optional)
14 : Control panel (only for single-phase version, for capacitor housing)

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PERFORMANCE CURVES

19/04/2024

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DAB PUMPS S.p.A.
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www.dabpumps.com

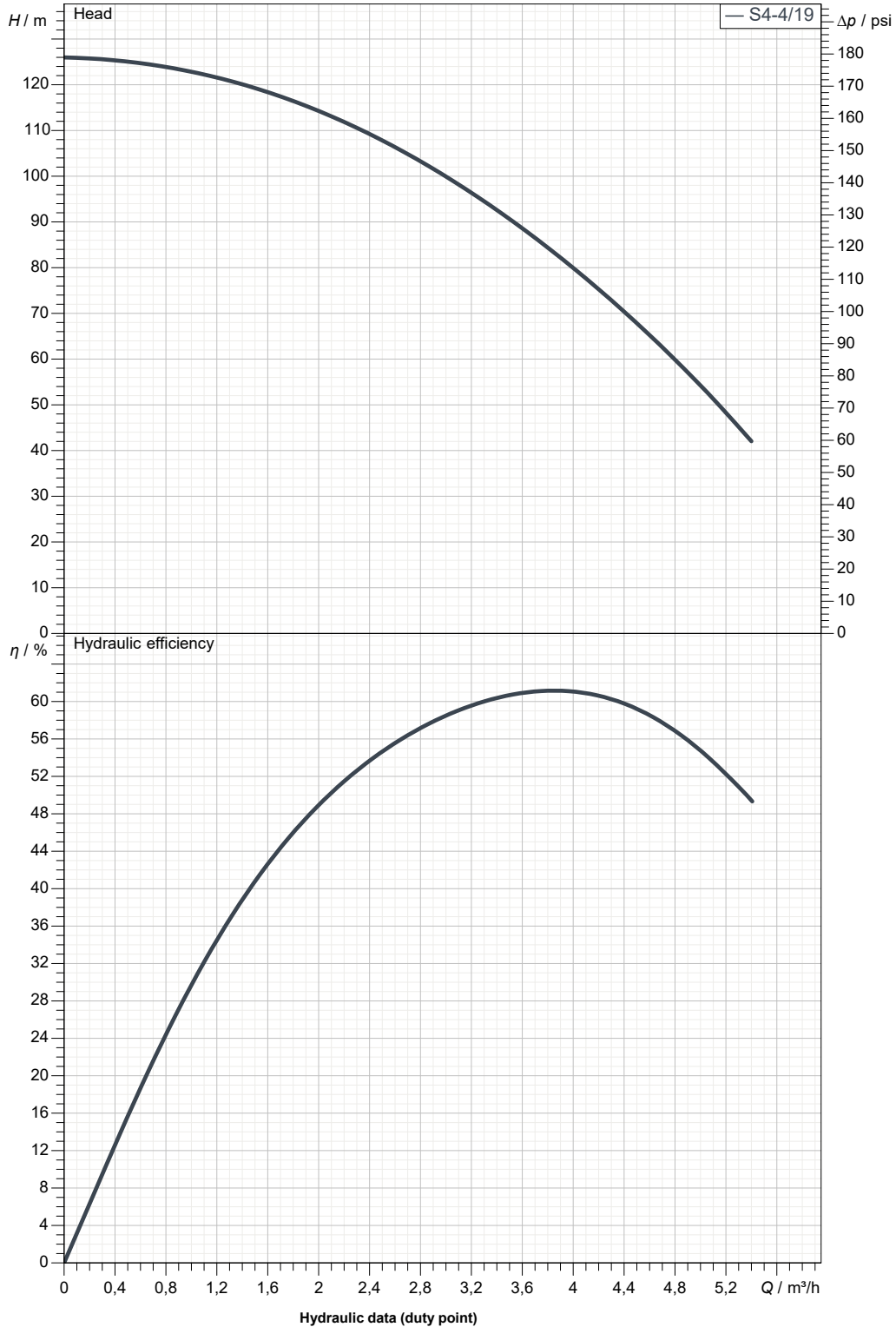
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S4-4/19

Curve tolerance according to ISO 9906



Suction side :

Discharge side :
1" 1/4 G-F
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Flow :

Head :

Rated speed :

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE

19/04/2024



DIMENSIONAL DRAWING

19/04/2024

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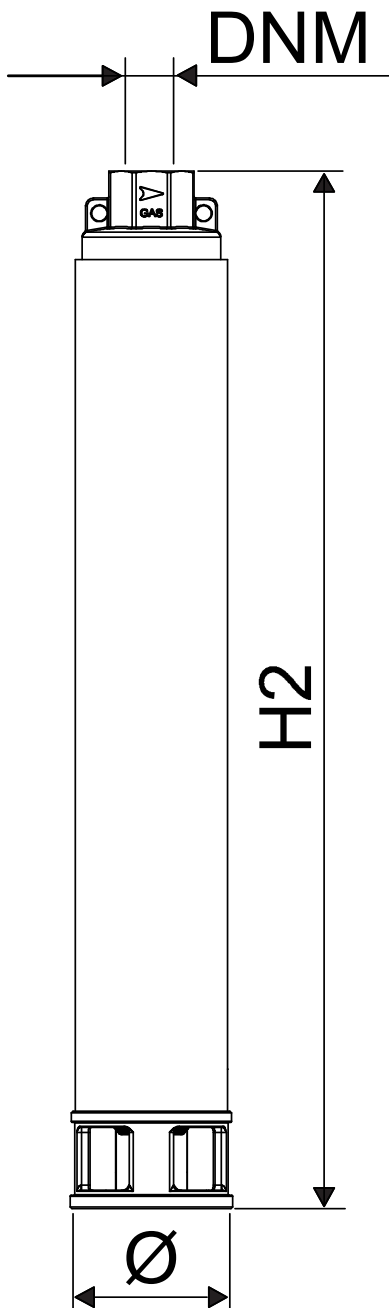
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S4-4/19



Dimensions in mm						Pump connection
1	H2	678				Suction
2	Ø	99				
3						
4						Discharge 1" 1/4 G-F --
5						
6						
7						
8						
9						
10						
11						

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