

**Receiver**

**From**

Society  
Reference  
Address  
Phone  
Fax  
E-mail

**Pump model:** S4-4/27 T 400 V 4OL

**Item n° :** 60197439

4OL 2,2 kW 400/50 460/60 T

Inverter application : Allowed - min. 30Hz

**Pump data**

P2 nominal requested : 2,2 kW

Min. fluid temperature : 0 °C

Max. fluid temperature : 40 °C

Max. Permitted amount of sand : 150 g/m<sup>3</sup>

**Requested data**

Flow :

Head :

Fluid : Water

Fluid Temperature : 20 °C

Density : 998,3 kg/m<sup>3</sup>

Kinematic viscosity : 1,005 mm<sup>2</sup>/s

Vapor pressure : 2,34 kPa

**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

Filter Stainless Steel AISI 304

**Motor data**

Motor type : 4OL

Nominal power P2 : 2,2 kW

Rated voltage : 3~ 400 V 50 Hz

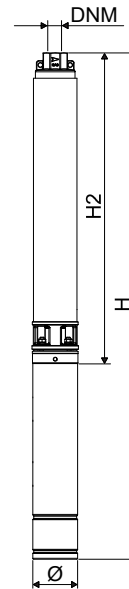
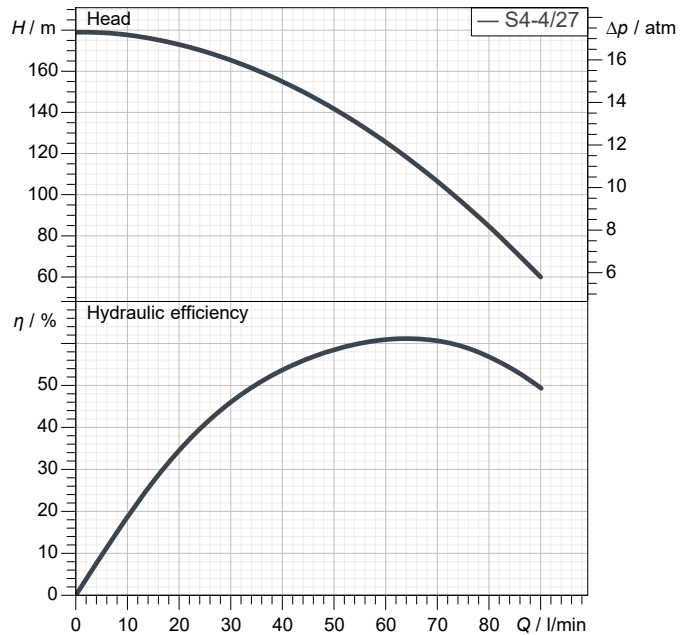
Nominal current : 6 A

Number of poles : 2

Rated speed : 2.810 1/min

Degree of protection : IP 68

**Curve tolerance according to ISO 9906**



**Weight :** 20,8 kg

**Dimensions in mm**

DNM	1"1/4 G-F				
H	1.265				
H2	807				
Ø	99				

**Pump connection**

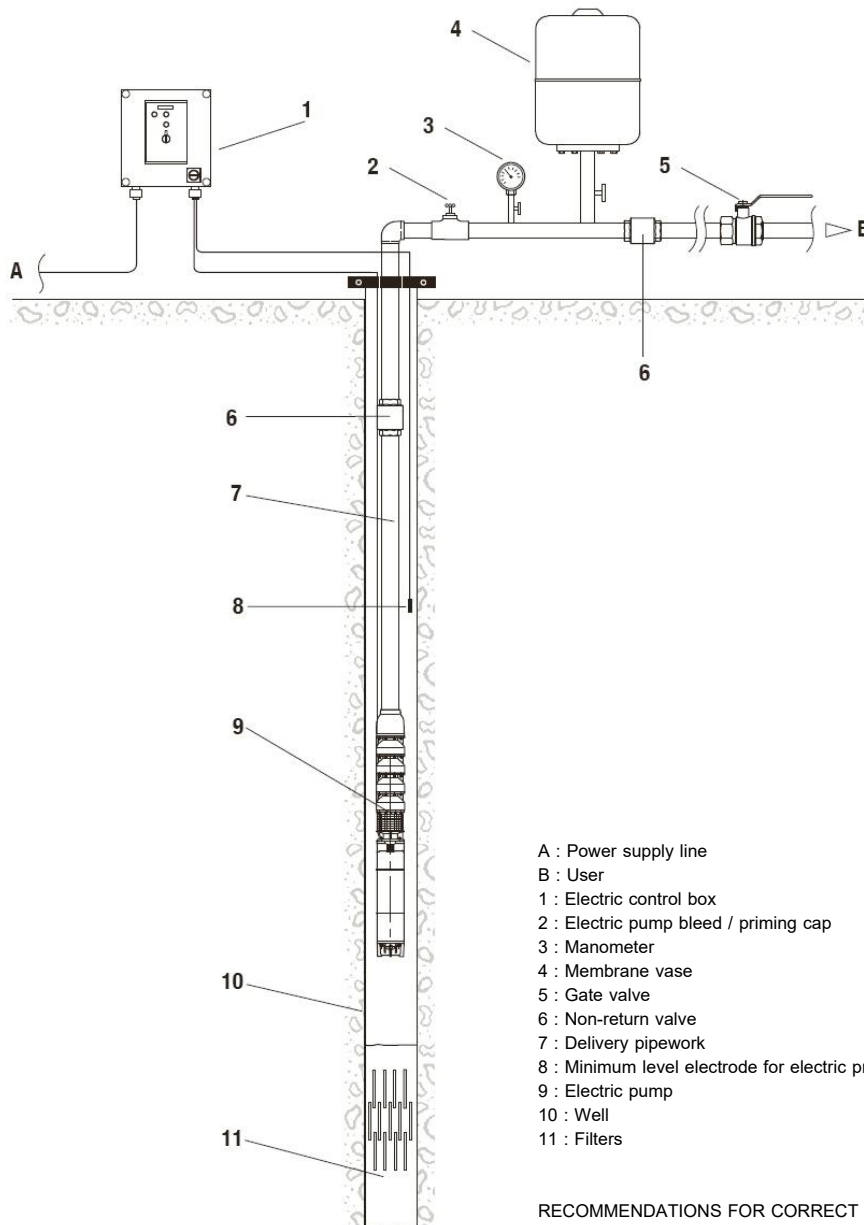
Discharge side : 1 " 1/4 G-F

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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

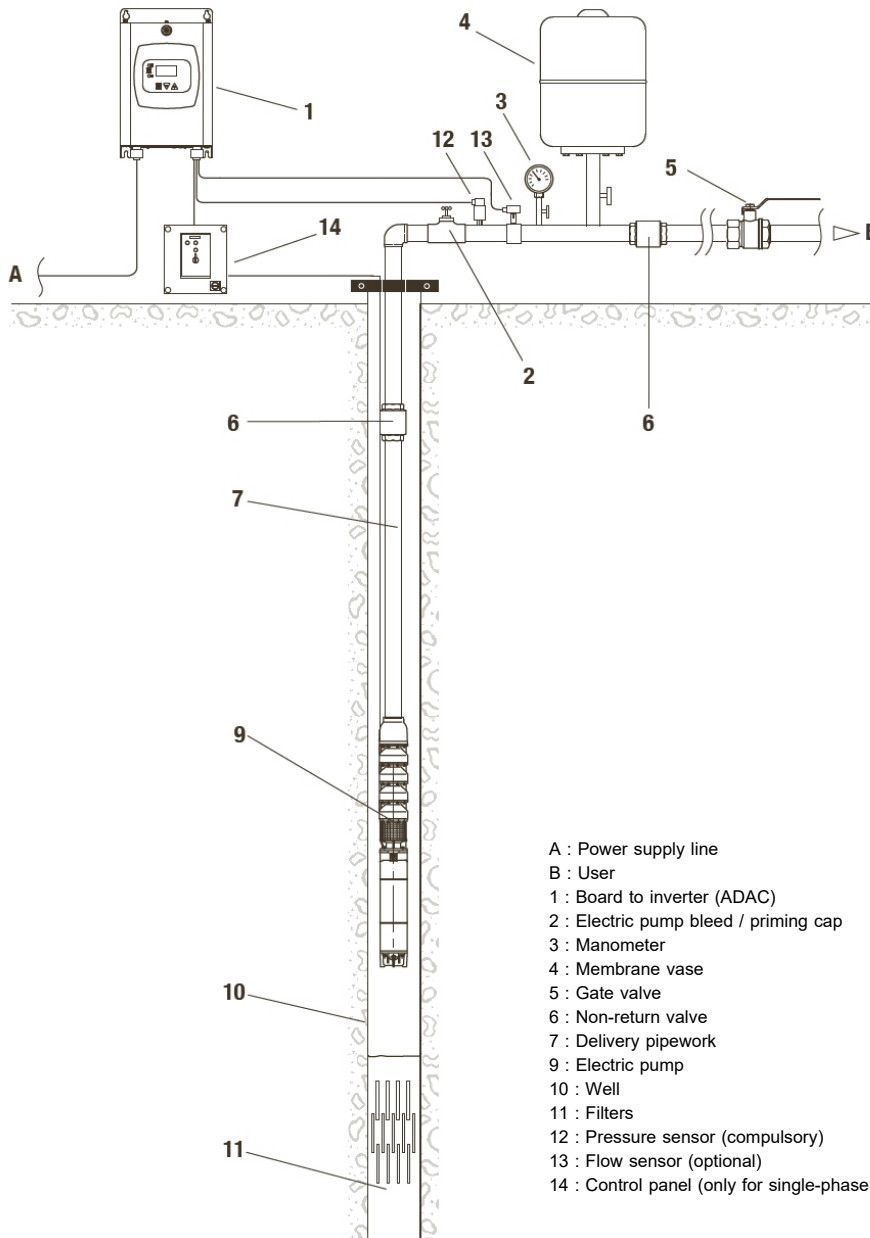
- Keep a minimum distance of one metre from the bottom of the well.
- Install a non-return valve at least 10 metres from the delivery outlet of the pump.
- Install further non-return valves at 30-40 metre intervals.
- Ensure a minimum cooling flow around the motor during operation (for further information 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)

### RECOMMENDATIONS FOR CORRECT INSTALLATION

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# PERFORMANCE CURVES

2020-05-24

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DAB PUMPS S.p.A.  
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy  
Tel. +39 049 5125000 - Fax +39 049 5125950  
www.dabpumps.com

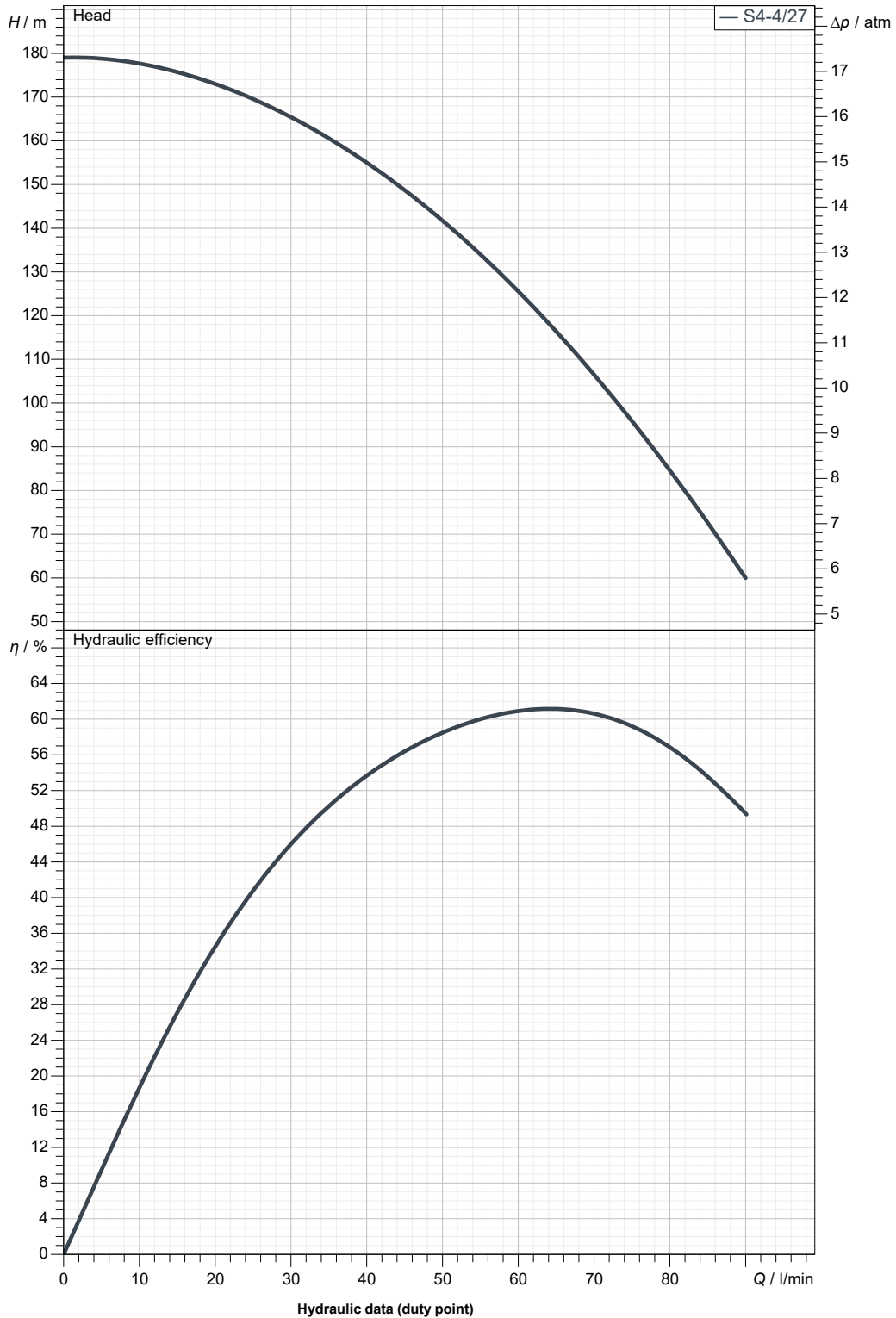
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**S4-4/27 T 400 V 40L**

Curve tolerance according to ISO 9906



Suction side :

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

Head :

Rated speed :  
2.810 1/min

MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_ID

OWNER\_

ISSUE\_DATE  
**2020-05-24**



**DIMENSIONAL DRAWING**

2020-05-24

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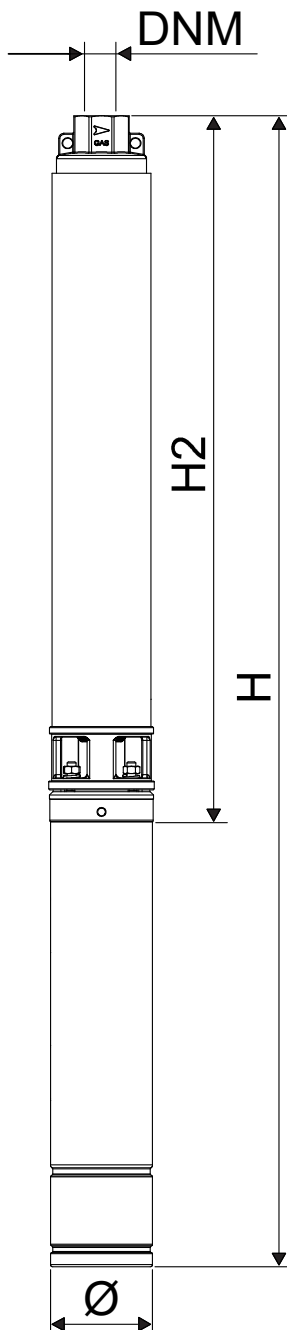
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S4-4/27 T 400 V 40L



**Dimensions in mm**

**Pump connection**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

DNM	1"1/4 G-F
H	1.265
H2	807
Ø	99

Suction  
  
  
  
  
  
  
Discharge  
1" 1/4 G-F  
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